



## SAR EVALUATION REPORT

IEEE Std 1528-2013

*For*  
**SMARTPHONE**

**FCC ID: BCG-E8725A**

**Model Name: A3212**

**Report Number: 15175342-S1V3**

**Issue Date: 1/17/2025**

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**Revision History**

| Rev. | Date      | Revisions  | Revised By           |
|------|-----------|--|----------------------|
| V1   | 1/14/2025 | Initial Issue  | --                   |
| V2   | 1/16/2025 | <ol style="list-style-type: none"><li>1. Added §6.7 WWAN Time-Average Feature.</li><li>2. Added §6.8 WLAN Time-Average Feature.</li><li>3. Updated §9 &amp; §10 power state descriptions for WLAN.</li><li>4. Updated §10.3 W-CDMA BII ANT 1</li><li>5. Updated §10.24 FR1 n25 ANT 4</li><li>6. Updated §10.38 UNII-2C ANT 5 Power State 2</li></ol> | Christopher Kuwatani |
| V3   | 1/17/2025 | <ol style="list-style-type: none"><li>1. Added §6.7 TAS (Time Averaged SAR) Parameter Definitions</li><li>2. Updated §6.7 to §6.8</li><li>3. Updated §6.8 to §6.9</li><li>4. Updated §9 power definitions</li></ol>  | Christopher Kuwatani |

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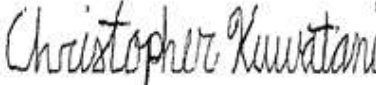
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# 1. Attestation of Test Results

|  |             |  |       |  |  |       |       |       |
|--|-------------|--|-------|--|--|-------|-------|-------|
| Applicant Name   |             | APPLE INC.   |       |  |  |       |       |       |
| FCC ID   |             | BCG-E8725A   |       |  |  |       |       |       |
| Model Name   |             | A3212  |       |  |  |       |       |       |
| Applicable Standards   |             | Published RF exposure KDB procedures<br>IEEE Std 1528-2013 |       |  |  |       |       |       |
| Exposure Category  |             | SAR Limits (W/Kg)  |       |  |  |       |       |       |
|  |             | Peak spatial-average<br>(1g of tissue)                     |       |  | Extremities (hands, wrists, ankles, etc.)<br>(10g of tissue) |       |       |       |
| General population / Uncontrolled exposure   |             | 1.6  |       |  | 4  |       |       |       |
| RF Exposure Conditions   |             | <u>Equipment Class</u> - Highest Reported SAR (W/kg)       |       |  |  |       |       |       |
|  |             | TNE  | PCE   | CBE  | DTS  | NII   | DSS   | DXX   |
| Head   |             | 1.153  | 1.195 | 1.190  | 1.195  | 1.122 | 0.736 | N/A   |
| Body-worn (Dist.= 5 mm)  |             | 0.936  | 1.195 | 1.190  | 0.640  | 1.048 | 0.411 | N/A   |
| Hotspot (Dist.= 5 mm)  |             | 0.926  | 1.200 | 1.197  | 0.859  | 0.546 | 0.584 | N/A   |
| Extremities (Dist. = 0 mm)   |             | 2.229  | N/A   | N/A  | N/A  | N/A   | N/A   | 0.006 |
| Simultaneous TX<br>(PCell <sub>on</sub> _Wi-Fi <sub>on</sub> )   | Head        | 1.457  | 1.554 | 1.489  | 1.494  | 1.554 | 1.554 | N/A   |
|  | Body-worn   | 1.438  | 1.496 | 1.492  | 1.272  | 1.496 | 1.496 | N/A   |
|  | Hotspot     | 1.324  | 1.396 | 1.394  | 1.396  | 1.117 | 1.228 | N/A   |
|  | Extremities | 1.859  | N/A   | N/A  | N/A  | N/A   | N/A   | 1.859 |
| Date Tested  |             | 9/24/2024 to 1/14/2025                                     |       |  |  |       |       |       |
| Test Results   |             | Pass   |       |  |  |       |       |       |
| <p>UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested can demonstrate compliance with the requirements as documented in this report.</p> <p>This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for the validity of results after the integration of the data provided by the customer.</p> <p>The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not considered unless noted otherwise.</p> <p>This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the U.S. Government, or any agency of the U.S. government.</p> |             |  |       |  |  |       |       |       |
| Approved & Released By:  |             |  |       | Prepared By:   |  |       |       |       |
|   |             |  |       |  |  |       |       |       |
| Devin Chang<br>Senior Laboratory Engineer<br>UL Verification Services Inc.   |             |  |       | Christopher Kuwatani<br>Laboratory Engineer<br>UL Verification Services Inc.         |  |       |       |       |

## 2. Test Specification, Methods and Procedures

The tests documented in this report were performed in accordance with FCC 47 CFR § 2.1093, IEEE Std 1528-2013, the following FCC Published RF exposure [KDB](#) procedures:

### SAR

- 248227 D01 802.11 Wi-Fi SAR v02r02
- 447498 D01 General RF Exposure Guidance v06
- 447498 D03 Supplement C Cross-Reference v01
- 648474 D04 Handset SAR v01r03
- 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04
- 865664 D02 RF Exposure Reporting v01r02
- 941225 D01 3G SAR Procedures v03r01
- 941225 D05 SAR for LTE Devices v02r05
- 941225 D05A LTE Rel.10 KDB Inquiry Sheet v01r02
- 941225 D06 Hotspot Mode v02r01

In addition to the above, the following information was used:

- **TCB workshop** October 2014; RF Exposure Procedures (Other LTE Considerations)
- **TCB workshop** April 2015; RF Exposure Procedures (Overlapping LTE Bands)
- **TCB workshop** October 2015; RF Exposure Procedures (KDB 941225 D05A)
- **TCB workshop** April 2016; RF Exposure Procedures (LTE Carrier Aggregation for DL)
- **TCB workshop** October 2016; RF Exposure Procedures (LTE Carrier Aggregation for UL)
- **TCB workshop** October 2016; RF Exposure Procedures (Bluetooth Duty Factor)
- **TCB workshop** October 2016; RF Exposure Procedures (DUT Holder Perturbations)
- **TCB workshop** May 2017; RF Exposure Procedures (Broadband Liquid Above 3 GHz)
- **TCB workshop** May 2017; RF Exposure Procedures (LTE Band 41 Power Class 2)
- **TCB workshop** November 2017; RF Exposure Procedures (LTE UL/DL Carrier Aggregation SAR)
- **TCB workshop** April 2018; RF Exposure Procedures (LTE DL CA SAR Test Exclusion)
- **TCB workshop** October 2018; RF Exposure Procedures (LTE Inter-Band Uplink Carrier Aggregation – Interim Procedures)
- **TCB workshop** April 2019; RF Exposure Procedures (802.11ax SAR Testing)
- **TCB workshop** November 2019; RF Exposure Policy Updates (5G NR FR1 NSA EN-DCUE SAR Evaluations)
- **TCB workshop** April 2021; RF Exposure Procedures (Remarks on Test Reductions via Data Referencing for Closely Related Products)
- **TCB workshop** April 2022; RF Exposure Procedures (Sum-Peak Location Separation Ratio)

### 3. Facilities and Accreditation

The test sites and measurement facilities used to collect data are located at

|                      |
|----------------------|
| 47266 Benicia Street |
| SAR Labs 1 to 19     |

UL Verification Services Inc. is accredited by A2LA, Certificate Number 0751.05

The Test Lab Conformity Assessment Body Identifier (CABID)

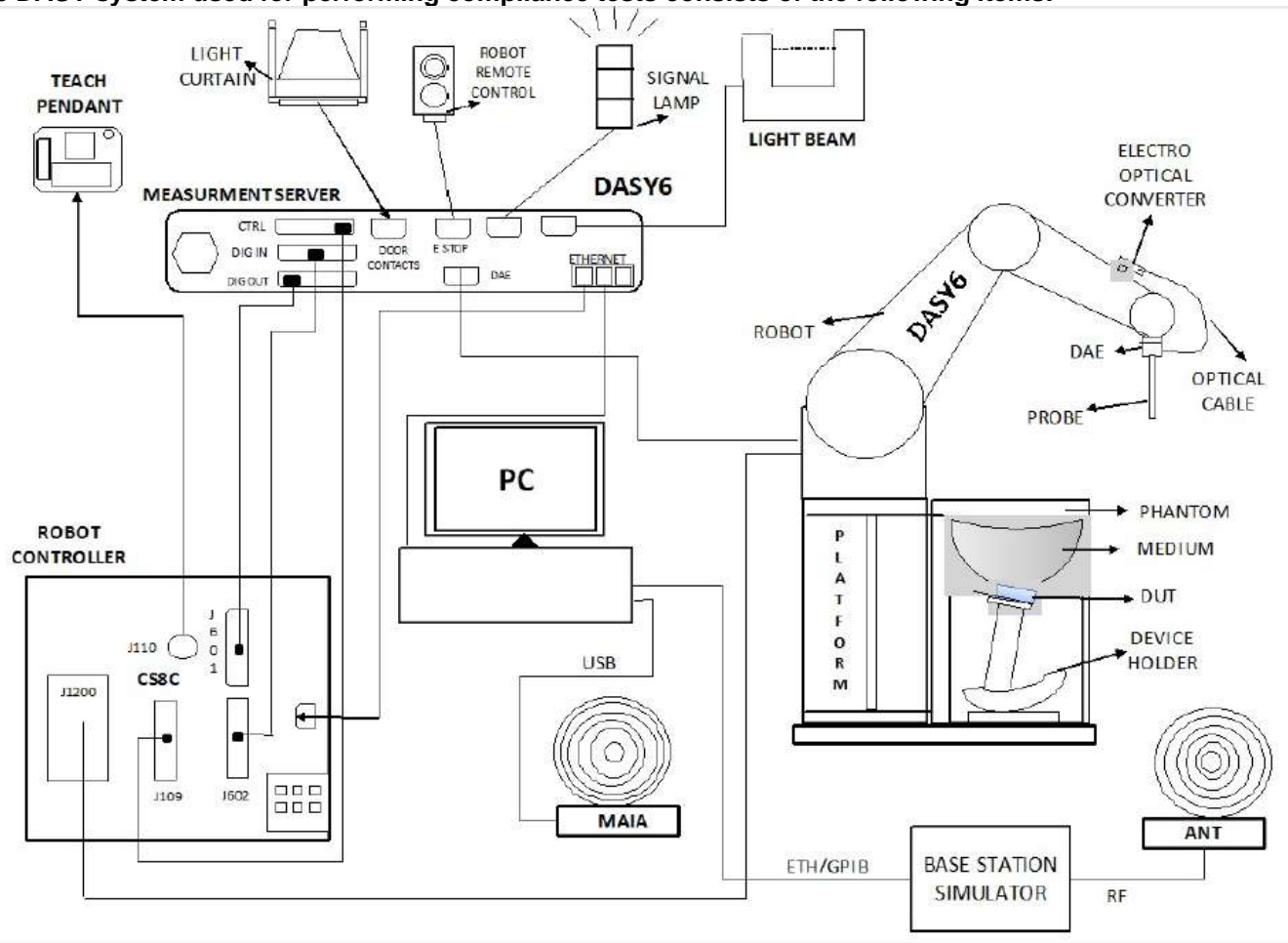
| Location   | CABID  | Company Number |
|--|--------|----------------|
| 47266 Benicia Street, Fremont, CA, 94538 UNITED STATES | US0104 | 2324A          |



## 4. SAR Measurement System & Test Equipment

### 4.1. SAR Measurement System

The DASY system used for performing compliance tests consists of the following items:



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Win10 and the DASY6/8<sup>1</sup> software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder, and other accessories according to the targeted measurement.

<sup>1</sup> DASY6/8 software used: DASY6.16.2 or DASY8.16.2 and older generations.

## 4.2. SAR Scan Procedures

### Step 1: Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. The minimum distance of probe sensors to surface is 2.1 mm. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

### Step 2: Area Scan

The Area Scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum locations even in relatively coarse grids. When an Area Scan has measured all reachable points, it computes the field maximal found in the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEC/IEEE 62209-1528, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan). If only one Zoom Scan follows the Area Scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of Zoom Scans has to be increased accordingly.

Area Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

|  | ≤ 3 GHz   | > 3 GHz  |
|--|---|--|
| Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface | 5 ± 1 mm  | $\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm |
| Maximum probe angle from probe axis to phantom surface normal at the measurement location              | 30° ± 1°  | 20° ± 1°   |
| Maximum area scan spatial resolution: $\Delta x_{Area}$ , $\Delta y_{Area}$                            | ≤ 2 GHz: ≤ 15 mm<br>2 – 3 GHz: ≤ 12 mm  | 3 – 4 GHz: ≤ 12 mm<br>4 – 6 GHz: ≤ 10 mm           |
|  | When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device. |  |

**Step 3: Zoom Scan**

Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10 g of simulated tissue. The Zoom Scan measures points (refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the Zoom Scan evaluates the averaged SAR for 1 g and 10 g and displays these values next to the job's label.

Zoom Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

|  |                                    | ≤ 3 GHz  | > 3 GHz   |
|--|------------------------------------|--|---|
| Maximum zoom scan spatial resolution: $\Delta x_{Zoom}, \Delta y_{Zoom}$   |                                    | $\leq 2$ GHz: $\leq 8$ mm<br>$2 - 3$ GHz: $\leq 5$ mm*                               | $3 - 4$ GHz: $\leq 5$ mm*<br>$4 - 6$ GHz: $\leq 4$ mm*  |
| Maximum zoom scan spatial resolution, normal to phantom surface  | uniform grid: $\Delta z_{Zoom}(n)$ | $\leq 5$ mm  | $3 - 4$ GHz: $\leq 4$ mm<br>$4 - 5$ GHz: $\leq 3$ mm<br>$5 - 6$ GHz: $\leq 2$ mm                  |
|  | graded grid                        | $\Delta z_{Zoom}(1)$ : between 1 <sup>st</sup> two points closest to phantom surface | $\leq 4$ mm<br>$3 - 4$ GHz: $\leq 3$ mm<br>$4 - 5$ GHz: $\leq 2.5$ mm<br>$5 - 6$ GHz: $\leq 2$ mm |
|  |                                    | $\Delta z_{Zoom}(n>1)$ : between subsequent points                                   | $\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$   |
| Minimum zoom scan volume   | x, y, z                            | $\geq 30$ mm   | $3 - 4$ GHz: $\geq 28$ mm<br>$4 - 5$ GHz: $\geq 25$ mm<br>$5 - 6$ GHz: $\geq 22$ mm               |
| Note: $\delta$ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.<br>* When zoom scan is required and the <i>reported</i> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is $\leq 1.4$ W/kg, $\leq 8$ mm, $\leq 7$ mm and $\leq 5$ mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz. |                                    |  |   |

**Step 4: Power drift measurement**

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the last Power Reference Measurement. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1.

### 4.3. Test Equipment

The measuring equipment used to perform the tests documented in this report has been calibrated in accordance with the manufacturers' recommendations and is traceable to recognized national standards.

#### **SAR**

##### **Dielectric Property Measurements**

| Name of Equipment       | Manufacturer         | Type/Model        | Serial No.    | Cal. Due Date |
|-------------------------|----------------------|-------------------|---------------|---------------|
| Vector Network Analyzer | ROHDE & SCHWARZ      | ZNLE6             | 101274-mn     | 2/28/2025     |
| Vector Network Analyzer | ROHDE & SCHWARZ      | ZNLE6             | 101273-va     | 2/28/2025     |
| Vector Network Analyzer | Copper Mountain Tech | R140N             | 21130078      | 2/28/2025     |
| Dielectric Probe Kit    | SPEAG                | DAK-3.5           | 1082          | 4/15/2025     |
| Dielectric Probe Kit    | SPEAG                | DAK-3.5           | 1103          | 2/12/2025     |
| Dielectric Probe Kit    | SPEAG                | DAK-12            | 1128          | 1/16/2025     |
| Shorting Block          | SPEAG                | DAK-3.5 Short     | SM DAK 200 BA | 1/16/2025     |
| Shorting Block*         | SPEAG                | DAK-1.2/3.5 Short | SM DAK 200 DA | 11/1/2024     |
| Shorting Block          | SPEAG                | DAK-12 Short      | SM DAK 220 AC | 1/16/2025     |
| Thermometer             | Fisher Scientific    | Traceable         | 240029160     | 1/31/2025     |
| Thermometer             | Fisher Scientific    | Traceable         | 240054866     | 1/31/2025     |

#### **Note(s):**

\*Equipment not used past calibration due date.

**System Check**

| Name of Equipment           | Manufacturer        | Type/Model             | Serial No. | Cal. Due Date |
|-----------------------------|---------------------|------------------------|------------|---------------|
| Signal Generator            | ROHDE & SHWARZ      | SMB 100A               | 180168-gX  | 2/28/2025     |
| Signal Generator            | ROHDE & SHWARZ      | SMB 100A               | 180970-zC  | 2/28/2025     |
| Signal Generator            | Rohde & Schw arz    | SMB 100A               | 180969-Yc  | 2/28/2025     |
| MXG Analog Signal Generator | Agilent             | N5181A                 | MY50140630 | 1/31/2025     |
| Power Meter                 | Agilent             | N1912A                 | MY50001018 | 2/28/2025     |
| Power Meter                 | Keysight            | N1912A                 | MY55196009 | 1/31/2025     |
| Power Meter                 | Hew lett Packard    | 437B                   | 3125U11347 | 1/31/2025     |
| Power Meter                 | Hew lett Packard    | 437B                   | 3125U09516 | 1/31/2025     |
| Power Meter                 | Keysight            | N1912A                 | MY55196007 | 1/31/2025     |
| Power Sensor                | Rohde & Schw arz    | NRP18A                 | 100992-iu  | 2/28/2025     |
| Power Sensor                | Keysight            | N1921A                 | MY55200004 | 1/31/2025     |
| Power Sensor                | Agilent             | 8481A POW              | 2237A31744 | 1/31/2025     |
| Power Sensor                | Agilent             | N1921A                 | MY52270022 | 1/31/2025     |
| Power Sensor                | ROHDE & SHWARZ      | NRP18A                 | 100995-hs  | 2/28/2025     |
| Power Sensor                | Agilent             | N1921A                 | MY53260001 | 1/31/2025     |
| Bi-Directional Coupler      | Mini-Circuits       | ZUDC10-83-S            | 2026?      | N/A           |
| Bi-Directional Coupler      | Werlatone           | C8060-102              | 4062       | N/A           |
| Bi-Directional Coupler      | Mini-Circuits       | ZUDC10-183+            | 1722       | N/A           |
| Amplifier                   | Mini-Circuits       | ZHL-42W                | 212352     | N/A           |
| Amplifier                   | MITEQ               | AMF-4D-00400600-50-30P | 1795093    | N/A           |
| DC Power Supply             | Sorenson            | XT 15-4                | 1802A01877 | N/A           |
| DC Power Supply             | Sorenson            | XT 15-4                | 1817A02680 | N/A           |
| Attenuator                  | Pasternack          | PE7018-20              | 212352     | N/A           |
| Directional Coupler         | Anatech Electronics | AM0R-100DC869          | 4          | N/A           |

**Lab Equipment**

| Name of Equipment                         | Manufacturer | Type/Model | Serial No. | Cal. Due Date |
|---|--------------|------------|------------|---------------|
| E-Field Probe (SAR Lab 1)                 | SPEAG        | EX3DV4     | 7808       | 5/8/2025      |
| E-Field Probe (SAR Lab 1)                 | SPEAG        | EX3DV4     | 3989       | 1/9/2025      |
| E-Field Probe (SAR Lab 2)                 | SPEAG        | EX3DV4     | 7463       | 4/15/2025     |
| E-Field Probe (SAR Lab 4)                 | SPEAG        | EX3DV4     | 3749       | 1/11/2025     |
| E-Field Probe (SAR Lab 4)                 | SPEAG        | EX3DV4     | 7463       | 4/15/2025     |
| E-Field Probe (SAR Lab 5)                 | SPEAG        | EX3DV4     | 7810       | 5/8/2025      |
| E-Field Probe (SAR Lab 7)                 | SPEAG        | EX3DV4     | 3990       | 2/28/2025     |
| E-Field Probe (SAR Lab 8)                 | SPEAG        | EX3DV4     | 7335       | 1/9/2025      |
| E-Field Probe (SAR Lab 9)                 | SPEAG        | EX3DV4     | 3929       | 3/14/2025     |
| E-Field Probe (SAR Lab 12)                | SPEAG        | EX3DV4     | 3989       | 1/9/2025      |
| E-Field Probe (SAR Lab 14)                | SPEAG        | EX3DV4     | 7820       | 5/10/2025     |
| E-Field Probe (SAR Lab 15)                | SPEAG        | EX3DV4     | 3772       | 2/7/2025      |
| E-Field Probe (SAR Lab 15)                | SPEAG        | EX3DV4     | 7569       | 4/15/2025     |
| E-Field Probe (SAR Lab 17)                | SPEAG        | EX3DV4     | 3686       | 1/12/2025     |
| Data Acquisition Electronics (SAR Lab 1)  | SPEAG        | DAE4       | 1674       | 5/31/2025     |
| Data Acquisition Electronics (SAR Lab 2)  | SPEAG        | DAE4       | 1796       | 5/2/2025      |
| Data Acquisition Electronics (SAR Lab 4)  | SPEAG        | DAE4       | 1439       | 4/24/2025     |
| Data Acquisition Electronics (SAR Lab 4)  | SPEAG        | DAE4       | 1796       | 5/2/2025      |
| Data Acquisition Electronics (SAR Lab 5)  | SPEAG        | DAE4       | 1787       | 5/2/2025      |
| Data Acquisition Electronics (SAR Lab 7)  | SPEAG        | DAE4       | 1433       | 2/8/2025      |
| Data Acquisition Electronics (SAR Lab 8)  | SPEAG        | DAE4       | 1799       | 5/2/2025      |
| Data Acquisition Electronics (SAR Lab 9)  | SPEAG        | DAE4       | 1545       | 2/9/2025      |
| Data Acquisition Electronics (SAR Lab 12) | SPEAG        | DAE4       | 1797       | 5/2/2025      |
| Data Acquisition Electronics (SAR Lab 14) | SPEAG        | DAE4       | 1258       | 3/12/2025     |
| Data Acquisition Electronics (SAR Lab 15) | SPEAG        | DAE4       | 1544       | 1/16/2025     |
| Data Acquisition Electronics (SAR Lab 17) | SPEAG        | DAE4       | 1357       | 1/9/2025      |

**Lab Equipment**

| Name of Equipment        | Manufacturer      | Type/Model | Serial No. | Cal. Due Date |
|--------------------------|-------------------|------------|------------|---------------|
| System Validation Dipole | SPEAG             | D750V3     | 1071       | 10/16/2025    |
| System Validation Dipole | SPEAG             | D750V3     | 1019       | 4/13/2025     |
| System Validation Dipole | SPEAG             | D835V2     | 4d117      | 5/11/2025     |
| System Validation Dipole | SPEAG             | D835V2     | 4d002      | 10/16/2025    |
| System Validation Dipole | SPEAG             | D1640V2    | 324        | 6/13/2025     |
| System Validation Dipole | SPEAG             | D1750V2    | 1050       | 4/19/2025     |
| System Validation Dipole | SPEAG             | D1750V2    | 1053       | 10/12/2025    |
| System Validation Dipole | SPEAG             | D1900V2    | 5d163      | 10/16/2025    |
| System Validation Dipole | SPEAG             | D1900V2    | 5d140      | 4/14/2025     |
| System Validation Dipole | SPEAG             | D2300V2    | 1002       | 4/11/2025     |
| System Validation Dipole | SPEAG             | D2450V2    | 706        | 1/20/2025     |
| System Validation Dipole | SPEAG             | D2600V2    | 1036       | 4/11/2025     |
| System Validation Dipole | SPEAG             | D3500V2    | 1060       | 2/7/2025      |
| System Validation Dipole | SPEAG             | D3500V2    | 1011       | 4/17/2025     |
| System Validation Dipole | SPEAG             | D3900V2    | 1102       | 10/17/2025    |
| System Validation Dipole | SPEAG             | D5GHzV2    | 1003       | 2/22/2025     |
| System Validation Dipole | SPEAG             | D5GHzV2    | 1138       | 2/3/2025      |
| System Validation Dipole | SPEAG             | CLA 13     | 1008       | 1/12/2025     |
| Thermometer              | Fisher Scientific | Traceable  | 240466064  | 6/30/2025     |
| Thermometer              | Fisher Scientific | Traceable  | 181175331  | 1/31/2025     |
| Thermometer              | Fisher Scientific | Traceable  | 181073773  | 1/31/2025     |
| Thermometer              | Fisher Scientific | Traceable  | 181163673  | 1/31/2025     |
| Thermometer              | Fisher Scientific | Traceable  | 170024398  | 6/30/2025     |
| Thermometer              | Fisher Scientific | Traceable  | 170251204  | 6/30/2025     |
| Thermometer              | Fisher Scientific | Traceable  | 181062319  | 10/31/2025    |

**Other**

| Name of Equipment                   | Manufacturer    | Type/Model | Serial No. | Cal. Due Date |
|-------------------------------------|-----------------|------------|------------|---------------|
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 171872-XJ  | 2/28/2025     |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 137875-DZ  | 2/28/2025     |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 135390-WS  | 2/28/2025     |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 170416--Lb | 2/28/2025     |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 137877-ms  | 2/28/2025     |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 171873-pw  | 2/28/2025     |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 135393-VQ  | 2/28/2025     |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 170269-HX  | 2/28/2025     |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 170417-Bp  | 2/28/2025     |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 171871-Gd  | 2/28/2025     |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 171875-WG  | 2/28/2025     |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 132910-cp  | 2/28/2025     |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 134853-ud  | 2/28/2025     |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 171874-Fb  | 2/28/2025     |
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500     | 147543-Bg  | 2/28/2025     |
| EXA Signal Analyzer                 | Keysight        | EXA        | MY60240521 | 8/31/2025     |
| EXA Signal Analyzer                 | Keysight        | EXA        | MY55460216 | 8/31/2025     |
| Power Meter                         | Keysight        | N1911A     | MY55916014 | 1/31/2025     |
| Power Meter                         | Keysight        | N1911A     | MY55196015 | 2/28/2025     |
| Power Sensor                        | Agilent         | N1921A     | MY52200012 | 1/31/2025     |
| Power Sensor                        | Agilent         | N10149     | MY53260010 | 2/28/2025     |
| PSA Series Spectrum Analyzer        | Agilent         | E4446A     | MY45300064 | 2/28/2025     |

**5. Measurement Uncertainty**

Per KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be  $\leq 30\%$ , for a confidence interval of  $k = 2$ . If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. Therefore, the measurement uncertainty is not required.



## 6. Device Under Test (DUT) Information

### 6.1. DUT Description

The Apple iPhone is a smartphone with cellular GSM, GPRS, EGPRS, WCDMA, LTE, 5G NR1, IEEE 802.11a/b/g/n/ac/ax, Bluetooth (BT), Global Positioning System (GPS), Near-Field Communication (NFC), and Mobile Satellite Service (MSS) technologies. The rechargeable battery is not user accessible. This device is not user-serviceable and requires special tools to disassemble.

All Models have the same PCB layout, circuit design, common components, antennas, and antenna locations across their respective reference model. The cellular modem, Wi-Fi, BT, NFC, and MSS transmitters are identical.

The device supports two power modes for both standalone and simultaneous, Mode A (OBD:0) and Mode B (OBD:1). Mode A power is used when the device is used against the user’s head. Mode B power is used when the device is used in a Body-worn/Hotspot/Extremity configuration by the user. Power was measured in accordance with the device’s two power modes for standalone for each antenna.

The WWAN transmit antenna switching mechanism between WWAN antennas is implemented with a physical “break-before-make” switch so that only one antenna can be used for WWAN transmission at one time.

In Airplay mode, the device uses same power and power control mechanism as Wi-Fi. Airplay is not supported in hotspot mode. Airplay utilize the same 802.11 modes, modulation, MIMO, Channel Bandwidth, etc. as Wi-Fi does. Therefore, Airplay usage is categorized by the Wi-Fi SAR testing contained in Section 10.

The hosted Wi-Fi/BT radio module has multiple vendors. All the Wi-Fi/BT radio modules have the same mechanical outline (e.g., the same package dimension and pin-out layout), use the same on-board antenna matching circuit, have an identical antenna structure, and are built and tested to conform to the same specifications and to operate within the same tolerances. Baseline testing was performed on the two variants to determine the worst case on all conducted power and radiated emissions.

|                               |   |
|-------------------------------|---|
| Device Dimension              | Refer to Appendix A   |
| Back Cover                    | The Back Cover is not removable   |
| Battery Options               | The rechargeable battery is not user accessible.  |
| Accessory                     | Headset   |
| Wireless Router (Hotspot)     | Wi-Fi Hotspot mode permits the device to share its cellular data connection with other Wi-Fi-enabled devices.<br><input checked="" type="checkbox"/> Mobile Hotspot (Wi-Fi 2.4 GHz)<br><input checked="" type="checkbox"/> Mobile Hotspot Wi-Fi 5.2(UNII-1)/5.8 GHz(UNII-3) |
| Airplay                       | Airplay mode enabled devices transfer data directly between each other<br><input checked="" type="checkbox"/> Airplay (Wi-Fi 2.4 GHz)<br><input checked="" type="checkbox"/> Airplay (Wi-Fi 5 GHz)  |
| Bluetooth Tethering (Hotspot) | BT Tethering mode permits the device to share its cellular data connection with other devices.<br><input checked="" type="checkbox"/> BT Tethering (Bluetooth 2.4 GHz)  |



| Test Sample Information | S/N                | Notes     |
|-------------------------|--------------------|-----------|
|                         | HK94W9615Q         | Radiated  |
|                         | Q9K9RGHH71         | Radiated  |
|                         | GQ54Y0YGHK         | Radiated  |
|                         | MLQVPGJKJ6         | Radiated  |
|                         | HTXMHJFYJ          | Radiated  |
|                         | D14MLXK520         | Radiated  |
|                         | FC6VF9YG4M         | Radiated  |
|                         | CV57KQC4T          | Radiated  |
|                         | J2NHGYYJ4Q         | Radiated  |
|                         | M5F7Y6Y2Q4         | Radiated  |
|                         | L92LGF7242         | Conducted |
|                         | KX2JW92N3H         | Conducted |
|                         | FTH6N6P72H         | Conducted |
|                         | FPGJ7CJ2Q7         | Conducted |
|                         | PXTH5P7755         | Conducted |
|                         | NTHKK40JGJ         | Conducted |
|                         | X3P9QPX7J5         | Conducted |
|                         | VNWWY9LG7JJ        | Conducted |
|                         | JYXKJWXQGV         | Conducted |
|                         | XVX60F5J2N         | Conducted |
|                         | MFWKHXTTV9         | Conducted |
|                         | N6W9VM21P7         | Conducted |
|                         | P9HXP3JMGH         | Conducted |
|                         | XXHT4XCNPW         | Conducted |
|                         | P9XXG2PVH2         | Conducted |
|                         | HWWKPHX64F         | Conducted |
|                         | C0NH9KJEJ57        | Conducted |
|                         | C07H9K000HZ0000J57 | Conducted |
|                         | C07H9K000JQ        | Conducted |

**Notes:**

The client confirms that all test samples provided in this project are representative of the units that will be sold in the market.

### 6.3. Wireless Technologies

| Wireless technologies | Frequency bands  | Operating mode  |   |
|-----------------------|--|---|---|
| GSM                   | 850<br>1900  | Voice (GMSK)<br>GPRS (GMSK)<br>EDGE (8PSK)  | GSM Class : B<br>Multi-Slot Class:<br>Class 10 - 2 Up, 4 Down |
|                       |  | Does this device support DTM (Dual Transfer Mode)?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |   |
| W-CDMA (UMTS)         | Band 2<br>Band 4<br>Band 5   | UMTS Rel. 99 (Voice & Data)<br>HSDPA (Rel. 5)<br>HSUPA (Rel. 6)<br>HSPA+ (Rel. 7)   |   |
| LTE                   | <b>FDD Bands</b><br>2/4/5/7/12/13/14/17/25/26/30/66/71<br><b>TDD Bands</b><br>41/48/53<br><b>Carrier Aggregation</b><br>FDD Bands 5B/7C<br>TDD Bands 41C/48C | QPSK<br>16QAM<br>64QAM<br>256QAM<br>Carrier Aggregation (2 Uplinks and 5 Downlinks)                                       |   |
| 5G NR (FR1)           | <b>FDD Bands</b><br>n2/n5/n7/n12/n14/n25/n26/n30/n66/n70/n71<br><b>TDD Bands</b><br>n41/n48/n53/n77  | DFT-s-OFDM:<br>Pi/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM<br>CP-OFDM:<br>QPSK, 16QAM, 64QAM, 256QAM                            |   |
| Wi-Fi                 | 2.4 GHz<br><br>5 GHz<br>UNII-1/2A/2C/3   | 802.11b/g/n/ax (20 MHz BW)  |   |
|                       |  | 802.11a/n/ac/ax (20/40/80/160 MHz BW)   |   |
|                       |  | Does this device support Bands 5.60 ~ 5.65 GHz?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    |   |
|                       |  | Does this device support Band gap channel(s)?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No      |   |
| Bluetooth             | 2.4 GHz  | BR, EDR, LE, and HDR  |   |
| MSS                   | 1.6 GHz  | 1PRB LTE SC-FDMA, BPSK  |   |
| NFC                   | 13.56 MHz  | Type A/B/F and ISO15693   |   |

**Notes:**

1. Duty cycle for Wi-Fi is referenced from the DTS and U-NII reports. Refer to Section 10 for Duty Cycle values used for testing.
2. This device supports Power Class 2 (PC2) for LTE B41 and 5G NR n41, n77.
3. LTE Uplink 2CA is the total combined power of the UL CA.

### 6.4. General LTE SAR Test and Reporting Considerations

| Item  | Description                                  |  |                              |                              |                  |                  |                  |
|---|--|--|------------------------------|------------------------------|------------------|------------------|------------------|
| Frequency range, Channel Bandwidth, Numbers and Frequencies | Band 2                                       | Frequency range: 1850 - 1910 MHz (BW = 60 MHz) |                              |                              |                  |                  |                  |
|   |  | Channel Bandwidth                              |                              |                              |                  |                  |                  |
|   |  | 20 MHz   | 15 MHz                       | 10 MHz                       | 5 MHz            | 3 MHz            | 1.4 MHz          |
|   | Low  | <b>18700</b><br><b>/1860</b>                   | 18675/<br>1857.5             | 18650/<br>1855               | 18625/<br>1852.5 | 18615/<br>1851.5 | 18607/<br>1850.7 |
|   | Mid  | <b>18900</b><br><b>1880</b>                    | 18900/<br>1880               | 18900/<br>1880               | 18900/<br>1880   | 18900/<br>1880   | 18900/<br>1880   |
|   | High   | <b>19100</b><br><b>1900</b>                    | 19125/<br>1902.5             | 19150/<br>1905               | 19175/<br>1907.5 | 19185/<br>1908.5 | 19193/<br>1909.3 |
|   | Band 4                                       | Frequency range: 1710 - 1755 MHz (BW = 45 MHz) |                              |                              |                  |                  |                  |
|   |  | Channel Bandwidth                              |                              |                              |                  |                  |                  |
|   |  | 20 MHz <sup>1</sup>                            | 15 MHz                       | 10 MHz                       | 5 MHz            | 3 MHz            | 1.4 MHz          |
|   | Low  | 20050/<br>1720                                 | 20025/<br>1717.5             | 20000/<br>1715               | 19975/<br>1712.5 | 19965/<br>1711.5 | 19957/<br>1710.7 |
|   | Mid  | <b>20175</b><br><b>1732.5</b>                  | 20175/<br>1732.5             | 20175/<br>1732.5             | 20175/<br>1732.5 | 20175/<br>1732.5 | 20175/<br>1732.5 |
|   | High   | 20300/<br>1745                                 | 20325/<br>1747.5             | 20350/<br>1750               | 20375/<br>1752.5 | 20385/<br>1753.5 | 20393/<br>1754.3 |
|   | Band 5                                       | Frequency range: 824 - 849 MHz (BW = 25 MHz)   |                              |                              |                  |                  |                  |
|   |  | Channel Bandwidth                              |                              |                              |                  |                  |                  |
|   |  | 20 MHz   | 15 MHz                       | 10 MHz <sup>1</sup>          | 5 MHz            | 3 MHz            | 1.4 MHz          |
|   | Low  |  |                              | 20450/<br>829                | 20425/<br>826.5  | 20415/<br>825.5  | 20407/<br>824.7  |
|   | Mid  |  |                              | <b>20525</b><br><b>836.5</b> | 20525/<br>836.5  | 20525/<br>836.5  | 20525/<br>836.5  |
|   | High   |  |                              | 20600/<br>844                | 20625/<br>846.5  | 20635/<br>847.5  | 20643/<br>848.3  |
|   | Band 7                                       | Frequency range: 2500 - 2570 MHz (BW = 70 MHz) |                              |                              |                  |                  |                  |
|   |  | Channel Bandwidth                              |                              |                              |                  |                  |                  |
|   |  | 20 MHz   | 15 MHz                       | 10 MHz                       | 5 MHz            | 3 MHz            | 1.4 MHz          |
| Low   | <b>20850</b><br><b>2510</b>                  | 20825<br>2507.5                                | 20800<br>2505                | 20775<br>2502.5              |                  |                  |                  |
| Mid   | <b>21100</b><br><b>2535</b>                  | 21100<br>2535                                  | 21100<br>2535                | 21100<br>2535                |                  |                  |                  |
| High  | <b>21350</b><br><b>2560</b>                  | 21375<br>2562.5                                | 21400<br>2565                | 21425<br>2567.5              |                  |                  |                  |
| Band 12   | Frequency range: 699 – 716 MHz (BW = 17 MHz) |  |                              |                              |                  |                  |                  |
|   | Channel Bandwidth                            |  |                              |                              |                  |                  |                  |
|   | 20 MHz                                       | 15 MHz   | 10 MHz <sup>1</sup>          | 5 MHz                        | 3 MHz            | 1.4 MHz          |                  |
| Low   |  |  | 23060/<br>704                | 23035/<br>701.5              | 23025/<br>700.5  | 23017/<br>699.7  |                  |
| Mid   |  |  | <b>23095</b><br><b>707.5</b> | 23095/<br>707.5              | 23095/<br>707.5  | 23095/<br>707.5  |                  |
| High  |  |  | 23130/<br>711                | 23155/<br>713.5              | 23165/<br>714.5  | 23173/<br>715.3  |                  |
| Band 13   | Frequency range: 777 - 787 MHz (BW = 10 MHz) |  |                              |                              |                  |                  |                  |
|   | Channel Bandwidth                            |  |                              |                              |                  |                  |                  |
|   | 20 MHz                                       | 15 MHz   | 10 MHz <sup>1</sup>          | 5 MHz <sup>1</sup>           | 3 MHz            | 1.4 MHz          |                  |
| Low   |  |  |                              | 23205/<br>779.5              |                  |                  |                  |
| Mid   |  |  | <b>23230</b><br><b>782</b>   | 23230/<br>782                |                  |                  |                  |
| High  |  |  |                              | 23255/<br>784.5              |                  |                  |                  |
| Band 14   | Frequency range: 788 - 798 MHz (BW = 10 MHz) |  |                              |                              |                  |                  |                  |
|   | Channel Bandwidth                            |  |                              |                              |                  |                  |                  |
|   | 20 MHz                                       | 15 MHz   | 10 MHz <sup>1</sup>          | 5 MHz <sup>1</sup>           | 3 MHz            | 1.4 MHz          |                  |
| Low   |  |  |                              | 23305/<br>790.5              |                  |                  |                  |
| Mid   |  |  | <b>23330</b><br><b>793</b>   | 23330/<br>793                |                  |                  |                  |
| High  |  |  |                              | 23355/<br>793.5              |                  |                  |                  |

|                      |  |                          |                        |                    |                  |                  |  |  |
|----------------------|--|--------------------------|------------------------|--------------------|------------------|------------------|--|--|
|                      |  |                          |                        |                    | 795.5            |                  |  |  |
| Band 17              | Frequency range: 704 - 716 MHz (BW = 12 MHz)       |                          |                        |                    |                  |                  |  |  |
|                      | Channel Bandwidth                                  |                          |                        |                    |                  |                  |  |  |
|                      | 20 MHz   | 15 MHz                   | 10 MHz <sup>1</sup>    | 5 MHz <sup>1</sup> | 3 MHz            | 1.4 MHz          |  |  |
| Low                  |  |                          | 23780/<br>709          | 23755/<br>706.5    |                  |                  |  |  |
| Mid                  |  |                          | <b>23790/<br/>710</b>  | 23790/<br>710      |                  |                  |  |  |
| High                 |  |                          | 23800/<br>711          | 23825/<br>713.5    |                  |                  |  |  |
| Band 25              | Frequency range: 1850 - 1915 MHz (BW = 65 MHz)     |                          |                        |                    |                  |                  |  |  |
|                      | Channel Bandwidth                                  |                          |                        |                    |                  |                  |  |  |
|                      | 20 MHz   | 15 MHz                   | 10 MHz                 | 5 MHz              | 3 MHz            | 1.4 MHz          |  |  |
| Low                  | <b>26140/<br/>1860</b>                             | 26115/<br>1857.5         | 26090/<br>1855         | 26065/<br>1852.5   | 26055/<br>1851.5 | 26047/<br>1850.7 |  |  |
| Mid                  | <b>26365/<br/>1882.5</b>                           | 26365/<br>1882.5         | 26365/<br>1882.5       | 26365/<br>1882.5   | 26365/<br>1882.5 | 26365/<br>1882.5 |  |  |
| High                 | <b>26590/<br/>1905</b>                             | 26615/<br>1907.5         | 26640/<br>1910         | 26665/<br>1912.5   | 26675/<br>1913.5 | 26683/<br>1914.3 |  |  |
| Band 26              | Frequency range: 814 - 849 MHz (BW = 35 MHz)       |                          |                        |                    |                  |                  |  |  |
|                      | Channel Bandwidth                                  |                          |                        |                    |                  |                  |  |  |
|                      | 20 MHz   | 15 MHz <sup>1</sup>      | 10 MHz                 | 5 MHz              | 3 MHz            | 1.4 MHz          |  |  |
| Low                  |  |                          | 26740/<br>819          | 26715/<br>816.5    | 26705/<br>815.5  | 26697/<br>814.7  |  |  |
| Mid                  |  |                          | 26865/<br>831.5        | 26865/<br>831.5    | 26865/<br>831.5  | 26865/<br>831.5  |  |  |
| High                 |  |                          | 26990/<br>844          | 27015/<br>846.5    | 27025/<br>847.5  | 27033/<br>848.3  |  |  |
| Band 30              | Frequency range: 2305 - 2315 MHz (BW = 10 MHz)     |                          |                        |                    |                  |                  |  |  |
|                      | Channel Bandwidth                                  |                          |                        |                    |                  |                  |  |  |
|                      | 20 MHz   | 15 MHz                   | 10 MHz <sup>1</sup>    | 5 MHz <sup>1</sup> | 3 MHz            | 1.4 MHz          |  |  |
| Low                  |  |                          |                        | 27685/<br>2307.5   |                  |                  |  |  |
| Mid                  |  |                          | <b>27710/<br/>2310</b> | 27710/<br>2310     |                  |                  |  |  |
| High                 |  |                          |                        | 27735/<br>2312.5   |                  |                  |  |  |
| Band 41 <sup>2</sup> | Frequency range: 2496 - 2690 MHz (BW = 194 MHz)    |                          |                        |                    |                  |                  |  |  |
|                      | Channel Bandwidth                                  |                          |                        |                    |                  |                  |  |  |
|                      | 20 MHz   | 15 MHz                   | 10 MHz                 | 5 MHz              | 3 MHz            | 1.4 MHz          |  |  |
|                      | Low  | <b>39750 / 2506.0</b>    |                        |                    |                  |                  |  |  |
|                      | Mid-Low  | <b>40185 / 2549.5</b>    |                        |                    |                  |                  |  |  |
|                      | Mid  | <b>40620 / 2593.0</b>    |                        |                    |                  |                  |  |  |
|                      | Mid-High   | <b>41055 / 2636.5</b>    |                        |                    |                  |                  |  |  |
| High                 | <b>41490 / 2680.0</b>                              |                          |                        |                    |                  |                  |  |  |
| Band 48              | Frequency range: 3550 - 3700 MHz (BW = 150 MHz)    |                          |                        |                    |                  |                  |  |  |
|                      | Channel Bandwidth                                  |                          |                        |                    |                  |                  |  |  |
|                      | 20 MHz   | 15 MHz                   | 10 MHz                 | 5 MHz              | 3 MHz            | 1.4 MHz          |  |  |
|                      | Low  | <b>55340/<br/>3560</b>   | 55315/<br>3557.5       | 55290/<br>3555     | 55265/<br>3552.5 |                  |  |  |
|                      | Mid-Low  | <b>55773/<br/>3603.3</b> | 55765/<br>3602.5       | 55757/<br>3601.7   | 55748/<br>3600.8 |                  |  |  |
|                      | Mid-High   | <b>56207/<br/>3646.7</b> | 56215/<br>3647.5       | 56223/<br>3648.3   | 56232/<br>3649.2 |                  |  |  |
| High                 | <b>56640/<br/>3690</b>                             | 56665/<br>3692.5         | 56690/<br>3695         | 56715/<br>3697.5   |                  |                  |  |  |
| Band 53              | Frequency range: 2483.5 - 2495 MHz (BW = 11.5 MHz) |                          |                        |                    |                  |                  |  |  |
|                      | Channel Bandwidth                                  |                          |                        |                    |                  |                  |  |  |
|                      | 20 MHz   | 15 MHz                   | 10 MHz <sup>1</sup>    | 5 MHz <sup>1</sup> | 3 MHz            | 1.4 MHz          |  |  |
|                      | Low  |                          |                        |                    | 2485/<br>60115   | 2484.2/<br>60147 |  |  |
| Mid                  |  |                          | 60197/<br>2489.5       | 60197/<br>2489.5   | 60197/<br>2489.5 | 60197/<br>2489.5 |  |  |
| High                 |  |                          |                        | 2493.5/<br>60240   | 2494.3/<br>60248 |                  |  |  |

|  | Band 66   | Frequency range: 1710 - 1780 MHz (BW = 70 MHz) |                     |              |               |               |               |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
|--|---|--|---------------------|--------------|---------------|---------------|---------------|---|--|--|--|--|--|----------|---------|---------|-------|--------|--------|--------|------|-----|-----|-----|------|------|------|-----|--------|-----|-----|-----|------|------|------|-----|--------|-----|-----|-----|------|------|------|-----|---------|-----|-----|-----|------|------|------|-----|--|-----|-----|-----|------|------|------|-----|--|-----|--|--|--|--|--|-----|
|  |   | Channel Bandwidth                              |                     |              |               |               |               |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
|  |   | 20 MHz   | 15 MHz              | 10 MHz       | 5 MHz         | 3 MHz         | 1.4 MHz       |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
|  | Low   | <b>132072/1720</b>                             | 132047/1717.5       | 132022/1715  | 131997/1712.5 | 131987/1711.5 | 131979/1710.7 |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
|  | Mid   | <b>132322/1745</b>                             | 132322/1745         | 132322/1745  | 132322/1745   | 132322/1745   | 132322/1745   |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
|  | High  | <b>132572/1770</b>                             | 132597/1772.5       | 132622/1775  | 132647/1777.5 | 132657/1778.5 | 132665/1779.3 |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
|  | Band 71   | Frequency range: 663 - 698 MHz (BW = 35 MHz)   |                     |              |               |               |               |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
|  |   | Channel Bandwidth                              |                     |              |               |               |               |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
|  |   | 20 MHz <sup>1</sup>                            | 15 MHz <sup>1</sup> | 10 MHz       | 5 MHz         | 3 MHz         | 1.4 MHz       |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
|  | Low   | 133222/673                                     | 133197/670.5        | 133172/668   | 133147/665.5  |               |               |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
| Mid  | <b>133297/680.5</b>   | 133297/680.5                                   | 133297/680.5        | 133297/680.5 |               |               |               |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
| High                                       | 133372/688  | 133397/690.5                                   | 133422/693          | 133447/695.5 |               |               |               |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
| LTE transmitter and antenna implementation | LTE can transmit from either ANT1, ANT2, ANT3, ANT4, ANT7, ANT8, and ANT9<br>Antenna switching is implemented using a physical, "break-before-make" switch so that only one antenna can be used for LTE transmission at a time.   |  |                     |              |               |               |               |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
| Maximum power reduction (MPR)              | <p><b>Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3</b></p> <table border="1"> <thead> <tr> <th rowspan="2">Modulation</th> <th colspan="6">Channel bandwidth / Transmission bandwidth (N<sub>RB</sub>)</th> <th rowspan="2">MPR (dB)</th> </tr> <tr> <th>1.4 MHz</th> <th>3.0 MHz</th> <th>5 MHz</th> <th>10 MHz</th> <th>15 MHz</th> <th>20 MHz</th> </tr> </thead> <tbody> <tr> <td>QPSK</td> <td>&gt; 5</td> <td>&gt; 4</td> <td>&gt; 8</td> <td>&gt; 12</td> <td>&gt; 16</td> <td>&gt; 18</td> <td>≤ 1</td> </tr> <tr> <td>16 QAM</td> <td>≤ 5</td> <td>≤ 4</td> <td>≤ 8</td> <td>≤ 12</td> <td>≤ 16</td> <td>≤ 18</td> <td>≤ 1</td> </tr> <tr> <td>64 QAM</td> <td>&gt; 5</td> <td>&gt; 4</td> <td>&gt; 8</td> <td>&gt; 12</td> <td>&gt; 16</td> <td>&gt; 18</td> <td>≤ 2</td> </tr> <tr> <td>256 QAM</td> <td>≤ 5</td> <td>≤ 4</td> <td>≤ 8</td> <td>≤ 12</td> <td>≤ 16</td> <td>≤ 18</td> <td>≤ 2</td> </tr> <tr> <td></td> <td>&gt; 5</td> <td>&gt; 4</td> <td>&gt; 8</td> <td>&gt; 12</td> <td>&gt; 16</td> <td>&gt; 18</td> <td>≤ 3</td> </tr> <tr> <td></td> <td colspan="6" style="text-align: center;">≥ 1</td> <td>≤ 5</td> </tr> </tbody> </table> <p>MPR Built-in by design<br/>The manufacturer MPR values are always within the 3GPP maximum MPR allowance but may not follow the default MPR values.<br/>A-MPR (additional MPR) was disabled during SAR testing</p> |  |                     |              |               |               | Modulation    | Channel bandwidth / Transmission bandwidth (N <sub>RB</sub> ) |  |  |  |  |  | MPR (dB) | 1.4 MHz | 3.0 MHz | 5 MHz | 10 MHz | 15 MHz | 20 MHz | QPSK | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | ≤ 1 | 16 QAM | ≤ 5 | ≤ 4 | ≤ 8 | ≤ 12 | ≤ 16 | ≤ 18 | ≤ 1 | 64 QAM | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | ≤ 2 | 256 QAM | ≤ 5 | ≤ 4 | ≤ 8 | ≤ 12 | ≤ 16 | ≤ 18 | ≤ 2 |  | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | ≤ 3 |  | ≥ 1 |  |  |  |  |  | ≤ 5 |
| Modulation                                 | Channel bandwidth / Transmission bandwidth (N <sub>RB</sub> )   |  |                     |              |               |               |               | MPR (dB)  |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
|  | 1.4 MHz   | 3.0 MHz  | 5 MHz               | 10 MHz       | 15 MHz        | 20 MHz        |               |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
| QPSK                                       | > 5   | > 4  | > 8                 | > 12         | > 16          | > 18          | ≤ 1           |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
| 16 QAM                                     | ≤ 5   | ≤ 4  | ≤ 8                 | ≤ 12         | ≤ 16          | ≤ 18          | ≤ 1           |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
| 64 QAM                                     | > 5   | > 4  | > 8                 | > 12         | > 16          | > 18          | ≤ 2           |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
| 256 QAM                                    | ≤ 5   | ≤ 4  | ≤ 8                 | ≤ 12         | ≤ 16          | ≤ 18          | ≤ 2           |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
|  | > 5   | > 4  | > 8                 | > 12         | > 16          | > 18          | ≤ 3           |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
|  | ≥ 1   |  |                     |              |               |               | ≤ 5           |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |
| Spectrum plots for RB configurations       | A properly configured base station simulator was used for the SAR and power measurements; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report.   |  |                     |              |               |               |               |   |  |  |  |  |  |          |         |         |       |        |        |        |      |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |        |     |     |     |      |      |      |     |         |     |     |     |      |      |      |     |  |     |     |     |      |      |      |     |  |     |  |  |  |  |  |     |

**Notes:**

- Maximum bandwidth does not support at least three non-overlapping channels in certain channel bandwidths. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing per KDB 941225 D05 SAR for LTE Devices.
- LTE band 41 test channels in accordance with October 2014 TCB workshop for all channels bandwidths.
- SAR Testing for LTE was performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).

### 6.5. LTE (TDD) Considerations

According to KDB 941225 D05 SAR for LTE Devices, for Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

LTE TDD Bands support 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special subframe configurations.

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

| Special subframe configuration | Normal cyclic prefix in downlink |                                |                                  | Extended cyclic prefix in downlink |                                |                                  |
|--------------------------------|----------------------------------|--------------------------------|----------------------------------|------------------------------------|--------------------------------|----------------------------------|
|                                | DwPTS                            | UpPTS                          |                                  | DwPTS                              | UpPTS                          |                                  |
|                                |                                  | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |                                    | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |
| 0                              | $6592 \cdot T_s$                 | $(1+X) \cdot 2192 \cdot T_s$   | $(1+X) \cdot 2560 \cdot T_s$     | $7680 \cdot T_s$                   | $(1+X) \cdot 2192 \cdot T_s$   | $(1+X) \cdot 2560 \cdot T_s$     |
| 1                              | $19760 \cdot T_s$                |                                |                                  | $20480 \cdot T_s$                  |                                |                                  |
| 2                              | $21952 \cdot T_s$                |                                |                                  | $23040 \cdot T_s$                  |                                |                                  |
| 3                              | $24144 \cdot T_s$                |                                |                                  | $25600 \cdot T_s$                  |                                |                                  |
| 4                              | $26336 \cdot T_s$                |                                |                                  | $7680 \cdot T_s$                   |                                |                                  |
| 5                              | $6592 \cdot T_s$                 | $(2+X) \cdot 2192 \cdot T_s$   | $(2+X) \cdot 2560 \cdot T_s$     | $20480 \cdot T_s$                  | $(2+X) \cdot 2192 \cdot T_s$   | $(2+X) \cdot 2560 \cdot T_s$     |
| 6                              | $19760 \cdot T_s$                |                                |                                  | $23040 \cdot T_s$                  |                                |                                  |
| 7                              | $21952 \cdot T_s$                |                                |                                  | $12800 \cdot T_s$                  |                                |                                  |
| 8                              | $24144 \cdot T_s$                |                                |                                  | -                                  |                                |                                  |
| 9                              | $13168 \cdot T_s$                |                                |                                  | -                                  |                                |                                  |
| 10                             | $13168 \cdot T_s$                | $13152 \cdot T_s$              | $12800 \cdot T_s$                | -                                  | -                              | -                                |

Table 4.2-2: Uplink-downlink configurations & Calculated Duty Cycle

| Uplink-Downlink Configuration | Downlink-to-Uplink Switch-point Periodicity | Subframe Number |   |   |   |   |   |   |   |   |   | Calculated Duty Cycle (%) |
|-------------------------------|---|-----------------|---|---|---|---|---|---|---|---|---|---------------------------|
|                               |   | 0               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |                           |
| 0                             | 5 ms  | D               | S | U | U | U | D | S | U | U | U | 63.3%                     |
| 1                             | 5 ms  | D               | S | U | U | D | D | S | U | U | D | 43.3%                     |
| 2                             | 5 ms  | D               | S | U | D | D | D | S | U | D | D | 23.3%                     |
| 3                             | 10 ms                                       | D               | S | U | U | U | D | D | D | D | D | 31.7%                     |
| 4                             | 10 ms                                       | D               | S | U | U | D | D | D | D | D | D | 21.7%                     |
| 5                             | 10 ms                                       | D               | S | U | D | D | D | D | D | D | D | 11.7%                     |
| 6                             | 5 ms  | D               | S | U | U | U | D | S | U | U | D | 53.3%                     |

Calculated Duty Cycle = Extended cyclic prefix in uplink \* (T<sub>s</sub>) \* # of S + # of U / period

**Note(s):**

This device supports uplink-downlink configurations 0-6. SAR testing/analysis was performed with the configuration with highest duty cycle for the following power classes: configuration 0 at 63.3% for Power Class 3 and configuration 1 at 43.3% for Power Class 2.



### 6.6. General 5G NR(FR1) SAR Test and Reporting Considerations

| n2       | SCS (kHz) | Frequency Range: 1850 - 1910 (BW = 60 MHz)  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|----------|-----------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|          |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35                  | 30                  | 25                  | 20                  | 15                  | 10                  | 5                   |                     |                     |                     |
| Low      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 372000 /1860 MHz    | 371500 /1855 MHz    | 371000 /1850 MHz    | 370500 /1845 MHz    |                     |                     |                     |                     |
| Mid      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 376000 /1880 MHz    | 376000 /1880 MHz    | 376000 /1880 MHz    | 376000 /1880 MHz    |                     |                     |                     |                     |
| High     | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 380000 /1900 MHz    | 380500 /1902.5 MHz  | 381000 /1905 MHz    | 381500 /1907.5 MHz  |                     |                     |                     |                     |
| n5       | SCS (kHz) | Frequency Range: 824 - 849 (BW = 25 MHz)    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35                  | 30                  | 25                  | 20                  | 15                  | 10                  | 5                   |                     |                     |                     |
| Low      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 166800 /834 MHz     | 166300 /831.5 MHz   | 165800 /829 MHz     | 165300 /826.5 MHz   |                     |                     |                     |                     |
| Mid      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 167300 /836.5 MHz   | 167300 /836.5 MHz   | 167300 /836.5 MHz   | 167300 /836.5 MHz   |                     |                     |                     |                     |
| High     | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 167800 /839 MHz     | 168300 /841.5 MHz   | 168800 /844 MHz     | 169300 /846.5 MHz   |                     |                     |                     |                     |
| n7       | SCS (kHz) | Frequency Range: 2500 - 2570 (BW = 70 MHz)  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35                  | 30                  | 25                  | 20                  | 15                  | 10                  | 5                   |                     |                     |                     |
| Low      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 504000 /2520 MHz    | 503500 /2517.5 MHz  | 503000 /2515 MHz    | 502500 /2512.5 MHz  | 502000 /2510 MHz    | 501500 /2507.5 MHz  | 501000 /2505 MHz    | 500500 /2502.5 MHz  |
| Mid      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 507000 /2535 MHz    | 507000 /2535 MHz    | 507000 /2535 MHz    | 507000 /2535 MHz    | 507000 /2535 MHz    | 507000 /2535 MHz    | 507000 /2535 MHz    | 507000 /2535 MHz    |
| High     | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 510000 /2550 MHz    | 510500 /2552.5 MHz  | 511000 /2555 MHz    | 511500 /2557.5 MHz  | 512000 /2560 MHz    | 512500 /2562.5 MHz  | 513000 /2565 MHz    | 513500 /2567.5 MHz  |
| n12      | SCS (kHz) | Frequency Range: 699 - 716 (BW = 17 MHz)    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35                  | 30                  | 25                  | 20                  | 15                  | 10                  | 5                   |                     |                     |                     |
| Low      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     | 141300 /706.5 MHz   | 140800 /704 MHz     | 140300 /701.5 MHz   | 140000 /700 MHz     |                     |                     |                     |
| Mid      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     | 141500 /707.5 MHz   | 141500 /707.5 MHz   | 141500 /707.5 MHz   | 141500 /707.5 MHz   |                     |                     |                     |
| High     | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     | 141700 /708.5 MHz   | 142200 /711 MHz     | 142700 /713.5 MHz   | 143000 /715 MHz     |                     |                     |                     |
| n14      | SCS (kHz) | Frequency Range: 788 - 798 (BW = 10 MHz)    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35                  | 30                  | 25                  | 20                  | 15                  | 10                  | 5                   |                     |                     |                     |
| Low      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     | 158600 /793 MHz     | 158600 /793 MHz     | 158600 /793 MHz     | 158600 /793 MHz     |                     |                     |
| Mid      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     | 158600 /793 MHz     | 158600 /793 MHz     | 158600 /793 MHz     | 158600 /793 MHz     |                     |                     |
| High     | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     | 158600 /793 MHz     | 158600 /793 MHz     | 158600 /793 MHz     | 158600 /793 MHz     |                     |                     |
| n25      | SCS (kHz) | Frequency Range: 1850 - 1915 (BW = 65 MHz)  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35                  | 30                  | 25                  | 20                  | 15                  | 10                  | 5                   |                     |                     |                     |
| Low      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 374000 /1870 MHz    | 373500 /1867.5 MHz  | 373000 /1865 MHz    | 372500 /1862.5 MHz  | 372000 /1860 MHz    | 371500 /1857.5 MHz  | 371000 /1855 MHz    | 370500 /1852.5 MHz  |
| Mid      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 376500 /1882.5 MHz  | 376500 /1882.5 MHz  | 376500 /1882.5 MHz  | 376500 /1882.5 MHz  | 376500 /1882.5 MHz  | 376500 /1882.5 MHz  | 376500 /1882.5 MHz  | 376500 /1882.5 MHz  |
| High     | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 379000 /1895 MHz    | 379500 /1897.5 MHz  | 380000 /1900 MHz    | 380500 /1902.5 MHz  | 381000 /1905 MHz    | 381500 /1907.5 MHz  | 382000 /1910 MHz    | 382500 /1912.5 MHz  |
| n26      | SCS (kHz) | Frequency Range: 814 - 849 (BW = 35 MHz)    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35                  | 30                  | 25                  | 20                  | 15                  | 10                  | 5                   |                     |                     |                     |
| Low      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 164800 /824 MHz     | 164300 /821.5 MHz   | 163800 /819 MHz     | 163300 /816.5 MHz   |                     |                     |                     |                     |
| Mid      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 166300 /831.5 MHz   | 166300 /831.5 MHz   | 166300 /831.5 MHz   | 166300 /831.5 MHz   |                     |                     |                     |                     |
| High     | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 167800 /839 MHz     | 168300 /841.5 MHz   | 168800 /844 MHz     | 169300 /846.5 MHz   |                     |                     |                     |                     |
| n30      | SCS (kHz) | Frequency Range: 2305 - 2315 (BW = 10 MHz)  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35                  | 30                  | 25                  | 20                  | 15                  | 10                  | 5                   |                     |                     |                     |
| Low      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     | 462000 /2310 MHz    | 461500 /2307.5 MHz  | 461000 /2305 MHz    | 460500 /2302.5 MHz  |                     |                     |
| Mid      | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     | 462000 /2310 MHz    | 462000 /2310 MHz    | 462000 /2310 MHz    | 462000 /2310 MHz    |                     |                     |
| High     | 15        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     | 462000 /2310 MHz    | 462000 /2310 MHz    | 462000 /2310 MHz    | 462000 /2310 MHz    |                     |                     |
| n41      | SCS (kHz) | Frequency Range: 2496 - 2690 (BW = 194 MHz) |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35                  | 30                  | 25                  | 20                  | 15                  | 10                  | 5                   |                     |                     |                     |
| 1        | 30        | 509200 /2546.01 MHz                         | 508200 /2541 MHz    | 507204 /2536.02 MHz | 506202 /2531.01 MHz | 505200 /2526 MHz    | 504204 /2521.02 MHz | 503202 /2516.01 MHz | 502200 /2511 MHz    | 501204 /2506.02 MHz | 500700 /2503.5 MHz  | 500200 /2501.01 MHz | 500000 /2500 MHz    | 500000 /2500 MHz    | 500000 /2500 MHz    | 500000 /2500 MHz    |                     |                     |                     |
| 2        | 30        | 510000 /2550 MHz                            | 509004 /2545.02 MHz | 508002 /2540.01 MHz | 507000 /2535 MHz    | 506004 /2530.02 MHz | 505002 /2525.01 MHz | 504000 /2520 MHz    | 503004 /2515.02 MHz | 502002 /2510.01 MHz | 501504 /2507.52 MHz | 501000 /2505 MHz    | 501000 /2505 MHz    | 501000 /2505 MHz    | 501000 /2505 MHz    | 501000 /2505 MHz    |                     |                     |                     |
| 3        | 30        | 513900 /2569.5 MHz                          | 513402 /2567.01 MHz | 512904 /2564.52 MHz | 512400 /2562 MHz    | 511902 /2559.51 MHz | 511404 /2557.02 MHz | 510900 /2554.5 MHz  | 510402 /2552.01 MHz | 509904 /2549.52 MHz | 509652 /2548.26 MHz | 509400 /2547 MHz    | 509400 /2547 MHz    | 509400 /2547 MHz    | 509400 /2547 MHz    | 509400 /2547 MHz    |                     |                     |                     |
| 4        | 30        | 518598 /2592.99 MHz                         | 518598 /2592.99 MHz | 518598 /2592.99 MHz | 518598 /2592.99 MHz | 518598 /2592.99 MHz | 518598 /2592.99 MHz | 518598 /2592.99 MHz | 518598 /2592.99 MHz | 518598 /2592.99 MHz | 518598 /2592.99 MHz | 518598 /2592.99 MHz | 518598 /2592.99 MHz | 518598 /2592.99 MHz | 518598 /2592.99 MHz | 518598 /2592.99 MHz | 518598 /2592.99 MHz | 518598 /2592.99 MHz |                     |
| 5        | 30        | 523302 /2616.51 MHz                         | 523800 /2619 MHz    | 524298 /2621.49 MHz | 524802 /2624.01 MHz | 525300 /2626.5 MHz  | 525798 /2628.99 MHz | 526302 /2631.51 MHz | 526800 /2634 MHz    | 527298 /2636.49 MHz | 527500 /2637.75 MHz | 527802 /2639.01 MHz | 527802 /2639.01 MHz | 527802 /2639.01 MHz | 527802 /2639.01 MHz | 527802 /2639.01 MHz | 527802 /2639.01 MHz | 527802 /2639.01 MHz |                     |
| 6        | 30        | 527994 /2639.97 MHz                         | 528996 /2644.98 MHz | 529992 /2649.96 MHz | 530994 /2654.97 MHz | 531996 /2659.98 MHz | 532992 /2664.96 MHz | 533994 /2669.97 MHz | 534996 /2674.98 MHz | 535992 /2679.96 MHz | 536496 /2682.48 MHz | 536994 /2684.97 MHz | 536994 /2684.97 MHz | 536994 /2684.97 MHz | 536994 /2684.97 MHz | 536994 /2684.97 MHz | 536994 /2684.97 MHz | 536994 /2684.97 MHz |                     |
| n48      | SCS (kHz) | Frequency Range: 3550 - 3700 (BW = 150 MHz) |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|          |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35                  | 30                  | 25                  | 20                  | 15                  | 10                  | 5                   |                     |                     |                     |
| Low      | 30        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 637668 /3188.34 MHz | 637336 /3186.02 MHz | 637168 /3185.03 MHz | 637002 /3184.04 MHz | 637002 /3184.04 MHz | 637002 /3184.04 MHz | 637002 /3184.04 MHz | 637002 /3184.04 MHz |
| Mid-Low  | 30        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 640446 /3202.23 MHz | 640334 /3201.67 MHz | 640224 /3201.11 MHz | 640168 /3200.88 MHz | 640168 /3200.88 MHz | 640168 /3200.88 MHz | 640168 /3200.88 MHz | 640168 /3200.88 MHz |
| Mig-High | 30        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 642890 /3214.45 MHz | 643000 /3215.00 MHz | 643112 /3215.55 MHz | 643168 /3216.10 MHz | 643168 /3216.10 MHz | 643168 /3216.10 MHz | 643168 /3216.10 MHz | 643168 /3216.10 MHz |
| High     | 30        |   |                     |                     |                     |                     |                     |                     |                     |                     |                     | 645332 /3226.66 MHz | 645666 /3230.33 MHz | 645998 /3233.99 MHz | 646166 /3235.82 MHz | 646166 /3235.82 MHz | 646166 /3235.82 MHz | 646166 /3235.82 MHz | 646166 /3235.82 MHz |

| n53           | SCS (kHz) | Frequency Range: 2484 - 2495 (BW = 11 MHz)  |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    |                    |                    |                    |
|---------------|-----------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------------|--------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|               |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    |                    |                    |                    |
|               |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35               | 30                 | 25               | 20                 | 15                 | 10                 | 5                  |                    |
| Low           | 30        |   |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    | 497700 /2488.5 MHz |                    |                    |
| Mid           | 30        |   |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    | 437860 /2489.3 MHz |                    |                    |
| High          | 30        |   |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    | 498000 /2490 MHz   |                    |                    |
| n66           | SCS (kHz) | Frequency Range: 1710 - 1780 (BW = 70 MHz)  |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    |                    |                    |                    |
|               |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    |                    |                    |                    |
|               |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35               | 30                 | 25               | 20                 | 15                 | 10                 | 5                  |                    |
| Low           | 15        |   |                     |                     |                     |                     |                     |                     |                     | 346000 /1730 MHz | 345500 /1727.5 MHz | 345000 /1725 MHz | 344500 /1722.5 MHz | 344000 /1720 MHz   | 343500 /1717.5 MHz | 343000 /1715 MHz   | 342500 /1712.5 MHz |
| Mid           | 15        |   |                     |                     |                     |                     |                     |                     |                     | 349000 /1745 MHz | 349000 /1745 MHz   | 349000 /1745 MHz | 349000 /1745 MHz   | 349000 /1745 MHz   | 349000 /1745 MHz   | 349000 /1745 MHz   | 349000 /1745 MHz   |
| High          | 15        |   |                     |                     |                     |                     |                     |                     |                     | 352000 /1760 MHz | 352500 /1762.5 MHz | 353000 /1765 MHz | 353500 /1767.5 MHz | 354000 /1770 MHz   | 354500 /1772.5 MHz | 355000 /1775 MHz   | 355500 /1777.5 MHz |
| n70           | SCS (kHz) | Frequency Range: 1695 - 1710 (BW = 15 MHz)  |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    |                    |                    |                    |
|               |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    |                    |                    |                    |
|               |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35               | 30                 | 25               | 20                 | 15                 | 10                 | 5                  |                    |
| Low           | 15        |   |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    | 340500 /1702.5 MHz | 340000 /1700 MHz   | 339500 /1697.5 MHz |                    |
| Mid           | 15        |   |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    | 340500 /1702.5 MHz | 340500 /1702.5 MHz | 340500 /1702.5 MHz |                    |
| High          | 15        |   |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    | 340500 /1702.5 MHz | 341000 /1705 MHz   | 341500 /1707.5 MHz |                    |
| n71           | SCS (kHz) | Frequency Range: 663 - 698 (BW = 35 MHz)    |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    |                    |                    |                    |
|               |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    |                    |                    |                    |
|               |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35               | 30                 | 25               | 20                 | 15                 | 10                 | 5                  |                    |
| Low           | 15        |   |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    | 134600 /673 MHz    | 134100 /670.5 MHz  | 133600 /668 MHz    | 133100 /665.5 MHz  |
| Mid           | 15        |   |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    | 136100 /680.5 MHz  | 136100 /680.5 MHz  | 136100 /680.5 MHz  | 136100 /680.5 MHz  |
| High          | 15        |   |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    | 137600 /688 MHz    | 138100 /690.5 MHz  | 138600 /693 MHz    | 139100 /695.5 MHz  |
| n77 (Block A) | SCS (kHz) | Frequency Range: 3450 - 3550 (BW = 100 MHz) |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    |                    |                    |                    |
|               |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    |                    |                    |                    |
|               |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35               | 30                 | 25               | 20                 | 15                 | 10                 | 5                  |                    |
| Low           | 30        | 633334 /3500.01 MHz                         | 633000 /3495 MHz    | 632668 /3490.02 MHz | 632334 /3485.01 MHz | 632000 /3480 MHz    | 631668 /3475.02 MHz | 631334 /3470.01 MHz | 631000 /3465 MHz    |                  |                    |                  |                    |                    |                    |                    |                    |
| Mid           | 30        | 633334 /3500.01 MHz                         | 633334 /3500.01 MHz | 633334 /3500.01 MHz | 633334 /3500.01 MHz | 633334 /3500.01 MHz | 633334 /3500.01 MHz | 633334 /3500.01 MHz | 633334 /3500.01 MHz |                  |                    |                  |                    |                    |                    |                    |                    |
| High          | 30        | 633332 /3499.98 MHz                         | 633666 /3504.99 MHz | 633998 /3509.97 MHz | 634332 /3514.98 MHz | 634666 /3519.99 MHz | 635000 /3524.97 MHz | 635332 /3529.98 MHz | 635666 /3534.99 MHz |                  |                    |                  |                    |                    |                    |                    |                    |
| n77 (Block B) | SCS (kHz) | Frequency Range: 3550 - 3700 (BW = 150 MHz) |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    |                    |                    |                    |
|               |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    |                    |                    |                    |
|               |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35               | 30                 | 25               | 20                 | 15                 | 10                 | 5                  |                    |
| Low           | 30        | 640002 /3600.03 MHz                         | 639668 /3595.02 MHz | 639336 /3590.04 MHz | 639002 /3585.03 MHz | 638668 /3580.02 MHz | 638336 /3575.04 MHz | 638002 /3570.03 MHz | 637668 /3565.02 MHz |                  |                    |                  |                    |                    |                    |                    |                    |
| Mid-Low       | 30        | 641112 /3616.68 MHz                         | 641002 /3615.03 MHz | 640890 /3613.35 MHz | 640780 /3611.7 MHz  | 640668 /3610.02 MHz | 640558 /3608.37 MHz | 640446 /3606.69 MHz | 640334 /3605.01 MHz |                  |                    |                  |                    |                    |                    |                    |                    |
| Mig-High      | 30        | 642224 /3633.36 MHz                         | 642334 /3635.01 MHz | 642446 /3636.69 MHz | 642556 /3638.34 MHz | 642668 /3640.02 MHz | 642778 /3641.67 MHz | 642890 /3643.35 MHz | 643000 /3645 MHz    |                  |                    |                  |                    |                    |                    |                    |                    |
| High          | 30        | 643332 /3649.98 MHz                         | 643666 /3654.99 MHz | 643998 /3659.97 MHz | 644332 /3664.98 MHz | 644666 /3669.99 MHz | 644998 /3674.97 MHz | 645332 /3679.98 MHz | 645666 /3684.99 MHz |                  |                    |                  |                    |                    |                    |                    |                    |
| n77 (Block C) | SCS (kHz) | Frequency Range: 3700 - 3980 (BW = 280 MHz) |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    |                    |                    |                    |
|               |           | Channel Bandwidth (MHz)                     |                     |                     |                     |                     |                     |                     |                     |                  |                    |                  |                    |                    |                    |                    |                    |
|               |           | 100   | 90                  | 80                  | 70                  | 60                  | 50                  | 45                  | 40                  | 35               | 30                 | 25               | 20                 | 15                 | 10                 | 5                  |                    |
| 1             | 30        | 650002 /3750.03 MHz                         | 649668 /3745.02 MHz | 649336 /3740.04 MHz | 649002 /3735.03 MHz | 648668 /3730.02 MHz | 648336 /3725.04 MHz | 648002 /3720.03 MHz | 647668 /3715.02 MHz |                  |                    |                  |                    |                    |                    |                    |                    |
| 2             | 30        | 652402 /3786.03 MHz                         | 652202 /3783.03 MHz | 652002 /3780.03 MHz | 651802 /3777.03 MHz | 651602 /3774.03 MHz | 651402 /3771.03 MHz | 651202 /3768.03 MHz | 651002 /3765.03 MHz |                  |                    |                  |                    |                    |                    |                    |                    |
| 3             | 30        | 654802 /3822.03 MHz                         | 654734 /3821.01 MHz | 654668 /3820.02 MHz | 654602 /3819.03 MHz | 654534 /3818.01 MHz | 654468 /3817.02 MHz | 654402 /3816.03 MHz | 654334 /3815.01 MHz |                  |                    |                  |                    |                    |                    |                    |                    |
| 4             | 30        | 657200 /3858 MHz                            | 657268 /3859.02 MHz | 657334 /3860.01 MHz | 657400 /3861 MHz    | 657468 /3862.02 MHz | 657534 /3863.01 MHz | 657600 /3864 MHz    | 657668 /3865.02 MHz |                  |                    |                  |                    |                    |                    |                    |                    |
| 5             | 30        | 659600 /3894 MHz                            | 659800 /3897 MHz    | 660000 /3900 MHz    | 660200 /3903 MHz    | 660400 /3906 MHz    | 660600 /3909 MHz    | 660800 /3912 MHz    | 661000 /3915 MHz    |                  |                    |                  |                    |                    |                    |                    |                    |
| 6             | 30        | 661998 /3929.97 MHz                         | 662332 /3934.98 MHz | 662664 /3939.96 MHz | 662998 /3944.97 MHz | 663332 /3949.98 MHz | 663664 /3954.96 MHz | 663998 /3959.97 MHz | 664332 /3964.98 MHz |                  |                    |                  |                    |                    |                    |                    |                    |

|   |  |
|---|--|
| SCS   | 15 kHz (n2, n5, n7, n12, n14, n25, n26, n30, n66, n70, n71)<br>30 kHz (n41, n48, n53, n77) |
| NR(FR1) transmitter and antenna implementation  | Refer to section 7 and Appendix A.   |
| A-MPR(Additional MPR) disabled for SAR testing? | Yes  |
| EN-DC Carrier Aggregation Possible Combinations |  |
| LTE Anchor Bands for NR band n2                 | LTE Band 5/12/13/14/48/66  |
| LTE Anchor Bands for NR band n5                 | LTE Band 2/7/30/48/66  |
| LTE Anchor Bands for NR band n7                 | LTE Band 5/12/66   |
| LTE Anchor Bands for NR band n12                | LTE Band 2/30/48/66  |
| LTE Anchor Bands for NR band n14                | LTE Band 2/30/66   |
| LTE Anchor Bands for NR band n25                | LTE Band 12/48/66  |
| LTE Anchor Bands for NR band n26                | N/A  |
| LTE Anchor Bands for NR band n30                | LTE Band 5/12/14/66  |
| LTE Anchor Bands for NR band n41                | LTE Band 2/4/5/12/25/26/41/66  |
| LTE Anchor Bands for NR band n48                | LTE Band 2/5/13/66   |

|                                  |  |
|----------------------------------|--|
| LTE Anchor Bands for NR band n53 | LTE Band 48                            |
| LTE Anchor Bands for NR band n66 | LTE Band 2/5/7/12/13/14/30/48/71       |
| LTE Anchor Bands for NR band n70 | N/A                                    |
| LTE Anchor Bands for NR band n71 | LTE Band 2/7/48/66                     |
| LTE Anchor Bands for NR band n77 | LTE Band 2/5/7/12/13/14/25/30/41/66/71 |

**Notes:**

1. Maximum bandwidth does not support at least three non-overlapping channels in certain channel bandwidths. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing per FCC Guidance.
2. SAR test for NR bands and LTE anchor Bands were performed separately due to limitations in SAR probe calibration factors. And, due to test setup limitations, SAR testing for NR was performed using test mode software to establish the connection.
3. FR1 supported standalone.

**6.7. TAS (Time Averaged SAR) Parameter Definitions**

This section defines the relevant power and RF Exposure parameters related to the cellular TAS mechanism for this DUT.

- $P_{Max, nom}$ : The maximum possible instantaneous power, excluding total device uncertainty
- $P_{Max}$ : The maximum possible instantaneous power
- $P_{Limit, nom}$ : The listed target power, excluding total device uncertainty
- $P_{Limit}$ : The maximum possible time-averaged power
- $SAR_{Design Target}$ : The maximum spatial peak averaged SAR value corresponding to the  $P_{Limit, nom}$
- $SAR_{Design Limit}$ : The maximum spatial peak averaged SAR value inclusive of the total device uncertainty

$P_{Limit, nom}$ ,  $P_{Limit}$ ,  $P_{Max, nom}$ , and  $P_{Max}$  values are defined for all antennas, technologies, bands, and OBD/OPS combinations supporting TAS on the DUT. The  $P_{Limit, nom}$  value is defined to ensure measured SAR is not greater than the  $SAR_{Design Target}$ . Instantaneous power for the specified antenna/technology/band/OBD/OPS combinations is capped at  $P_{Max}$ .

**6.8. WWAN Time-Average Feature**

The modem is enabled with Cellular TAS technology feature with dynamic budgeting to control and manage transmitting power, in real time (the version implemented is v1.0.0). Only cellular technologies implement dynamic budgeting. All other technologies will use static budget assignments.

This DUT supports a time-averaged method of transmit power control for Cellular and MSS technologies. Consumed SAR from active radios is tracked and stored for the duration of the applicable regulatory averaging window. Rolling time-averaged SAR values are calculated from the consumed SAR reported from active radios. The time-averaged SAR is always maintained less than the applicable SAR Design Limit.

SAR values in this report were scaled to the maximum time-averaged output power ( $P_{Limit}$ ) to determine compliance following KDB 447498 D01.  
SAR Characterization

Please refer to 15175342-S7 for the full details regarding SAR Characterizations.

### 6.9. WLAN Time-Average Feature

This product utilizes a time-averaged power control mechanism - Wi-Fi Time-Averaged SAR (TAS) within the Wi-Fi chipset - that ensures total power across all Wi-Fi transmitters does not exceed applicable regulatory limits. For further details, refer to the technical description document and 15175342-S9.

### 7. RF Exposure Conditions (Test Configurations)

Refer to Appendix A for the specific details of the antenna-to-antenna and antenna-to-edge(s) distances.

| Antenna | Band  | Back | Front | Edge Top | Edge Right | Edge Bottom | Edge Left |
|---------|---|------|-------|----------|------------|-------------|-----------|
| ANT1    | GSM 850/1900<br>WCDMA B2/4/5<br>LTE B2/4/5/7/12/13/14/17/25/26/30/41/53/66/71<br>5G(FR1) n2/n5/n7/n12/n14/n25/n26/n30/n41/n53/n66/n70/n71                   | Yes  | Yes   | No       | Yes        | Yes         | Yes       |
| ANT2    | GSM 850/1900<br>WCDMA B2/4/5<br>LTE B2/4/5/7/12/13/14/17/25/26/30/41/53/66/71<br>5G(FR1) n2/n5/n7/n12/n14/n25/n26/n30/n41/n53/n66/n70/n71<br>NFC            | Yes  | Yes   | Yes      | Yes        | No          | Yes       |
| ANT3    | GSM 1900<br>WCDMA B2/4<br>LTE B2/4/7/25/30/41/66<br>5G(FR1) n2/n7/n25/n30/n41/n66/n70<br>Wi-Fi 2.4GHz<br>Bluetooth 2.4GHz                                   | Yes  | Yes   | No       | No         | Yes         | Yes       |
| ANT4    | GSM 1900<br>WCDMA B2/4<br>LTE B2/4/7/25/30/41/48/66<br>5G(FR1) n2/n7/n25/n30/n41/n48/n66/n70/n77<br>MSS (L-Band)<br>Wi-Fi 2.4GHz<br>Bluetooth 2.4GHz<br>NFC | Yes  | Yes   | Yes      | Yes        | No          | No        |
| ANT5    | Wi-Fi 5GHz  | Yes  | Yes   | No       | No         | Yes         | Yes       |
| ANT6    | Wi-Fi 5GHz  | Yes  | Yes   | Yes      | No         | No          | Yes       |
| ANT7    | LTE B48<br>5G(FR1) n48/n77  | Yes  | Yes   | No       | Yes        | Yes         | No        |
| ANT8    | LTE B48<br>5G(FR1) n48/n77  | Yes  | Yes   | Yes      | No         | No          | Yes       |
| ANT9    | LTE B48<br>5G(FR1) n48/n77  | Yes  | Yes   | No       | No         | Yes         | Yes       |

**Notes:**

- SAR is not required because the distance from the antenna to the edge is > 25 mm as per KDB 941225 D06 Hot Spot SAR.
- The Body-worn minimum separation distance is 5 mm. To cover both body-worn and hotspot RF exposure conditions testing was performed at a separation distance of 5 mm.

## 8. Dielectric Property Measurements & System Check

### 8.1. SAR Dielectric Property Measurements and System Checks

The temperature of the tissue-equivalent medium used during measurement must also be within 18°C to 25°C and within  $\pm 2^\circ\text{C}$  of the temperature when the tissue parameters are characterized.

The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements. The parameters should be re-measured after each 3 – 4 days of use; or earlier if the dielectric parameters can become out of tolerance; for example, when the parameters are marginal at the beginning of the measurement series.

Tissue dielectric parameters were measured at the low, middle and high frequency of each operating frequency range of the test device.

The dielectric constant ( $\epsilon_r$ ) and conductivity ( $\sigma$ ) of typical tissue-equivalent media recipes are expected to be within  $\pm 5\%$  of the required target values; but for SAR measurement systems that have implemented the SAR error compensation algorithms documented in IEEE Std 1528-2013, to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters, the tolerance for  $\epsilon_r$  and  $\sigma$  may be relaxed to  $\pm 10\%$ . This is limited to frequencies  $\leq 3$  GHz.

#### Tissue Dielectric Parameters

FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

| Target Frequency (MHz) | Head         |                | Body         |                |
|------------------------|--------------|----------------|--------------|----------------|
|                        | $\epsilon_r$ | $\sigma$ (S/m) | $\epsilon_r$ | $\sigma$ (S/m) |
| 150                    | 52.3         | 0.76           | 61.9         | 0.80           |
| 300                    | 45.3         | 0.87           | 58.2         | 0.92           |
| 450                    | 43.5         | 0.87           | 56.7         | 0.94           |
| 835                    | 41.5         | 0.90           | 55.2         | 0.97           |
| 900                    | 41.5         | 0.97           | 55.0         | 1.05           |
| 915                    | 41.5         | 0.98           | 55.0         | 1.06           |
| 1450                   | 40.5         | 1.20           | 54.0         | 1.30           |
| 1610                   | 40.3         | 1.29           | 53.8         | 1.40           |
| 1800 – 2000            | 40.0         | 1.40           | 53.3         | 1.52           |
| 2450                   | 39.2         | 1.80           | 52.7         | 1.95           |
| 3000                   | 38.5         | 2.40           | 52.0         | 2.73           |
| 5000                   | 36.2         | 4.45           | 49.3         | 5.07           |
| 5100                   | 36.1         | 4.55           | 49.1         | 5.18           |
| 5200                   | 36.0         | 4.66           | 49.0         | 5.30           |
| 5300                   | 35.9         | 4.76           | 48.9         | 5.42           |
| 5400                   | 35.8         | 4.86           | 48.7         | 5.53           |
| 5500                   | 35.6         | 4.96           | 48.6         | 5.65           |
| 5600                   | 35.5         | 5.07           | 48.5         | 5.77           |
| 5700                   | 35.4         | 5.17           | 48.3         | 5.88           |
| 5800                   | 35.3         | 5.27           | 48.2         | 6.00           |

SAR system verification is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device. The same SAR probe(s) and tissue-equivalent media combinations used with each specific SAR system for system verification must be used for device testing. When multiple probe calibration points are required to cover substantially large transmission bands, independent system verifications are required for each probe calibration point. A system verification must be performed before each series of SAR measurements using the same probe calibration point and tissue-equivalent medium. Additional system verification should be considered according to the conditions of the tissue-equivalent medium and measured tissue dielectric parameters, typically every three to four days when the liquid parameters are re-measured or sooner when marginal liquid parameters are used at the beginning of a series of measurements.

**System Performance Check Measurement Conditions:**

- The measurements were performed in the flat section of the TWIN SAM or ELI phantom, shell thickness: 2.0 ±0.2 mm (bottom plate) filled with Body or Head simulating liquid of the following parameters.
- The depth of tissue-equivalent liquid in a phantom must be ≥ 15.0 cm for SAR measurements ≤ 3 GHz and ≥ 10.0 cm for measurements > 3 GHz.
- The DASY system with an E-Field Probe was used for the measurements.
- The dipole was mounted on the small tripod so that the dipole feed point was positioned below the center marking of the flat phantom section and the dipole was oriented parallel to the body axis (the long side of the phantom). The standard measuring distance was 10 mm (above 1 GHz) and 15 mm (below 1 GHz) from dipole center to the simulating liquid surface.
- The coarse grid with a grid spacing of 15 mm was aligned with the dipole.  
For 5 GHz band - The coarse grid with a grid spacing of 10 mm was aligned with the dipole.
- Special 7x7x7 (below 3 GHz) and/or 8x8x7 (above 3 GHz) fine cube was chosen for the cube.
- Distance between probe sensors and phantom surface was set to 3 mm.  
For 5 GHz band - Distance between probe sensors and phantom surface was set to 2.5 mm
- The dipole input power (forward power) was 100 mW.
- The results are normalized to 1 W input power.

| SAR Lab | Date       | Tissue Type | Band (MHz) | Liquid Check               |        |       |                  |        |       | System Check |                             |                      |                   |                              |                  |                     |            |                               |                  |                     | Plot No. |            |
|---------|------------|-------------|------------|----------------------------|--------|-------|------------------|--------|-------|--------------|-----------------------------|----------------------|-------------------|------------------------------|------------------|---------------------|------------|-------------------------------|------------------|---------------------|----------|------------|
|         |            |             |            | Relative Permittivity (εr) |        |       | Conductivity (σ) |        |       | Date         | Dipole Type & Serial Number | Dipole Cal. Due Date | Input Power (dBm) | Measured results for 1-g SAR |                  |                     |            | Measured results for 10-g SAR |                  |                     |          |            |
|         |            |             |            | Measured                   | Target | Delta | Measured         | Target | Delta |              |                             |                      |                   | Meas. Zoom Scan              | Normalize to 1 W | Target (Ref. Value) | Delta ±10% | Meas. Zoom Scan               | Normalize to 1 W | Target (Ref. Value) |          | Delta ±10% |
| SAR 1   | 10/21/2024 | Head        | 3900       | 3900                       | 38.57  | 37.47 | 2.93%            | 3.18   | 3.32  | -4.21%       | 10/22/2024                  | D3900V2 SN: 1102     | 10/23/2025        | 20.0                         | 6.950            | 69.500              | 69.300     | 0.23%                         | 2.460            | 24.600              | 24.100   | 2.07%      |
|         |            |             |            | 3800                       | 38.73  | 37.59 | 3.04%            | 3.08   | 3.22  | -4.30%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 4000                       | 38.42  | 37.36 | 2.84%            | 3.28   | 3.42  | -4.09%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 10/22/2024 | Head        | 3500       | 3500                       | 38.97  | 37.93 | 2.74%            | 2.83   | 2.91  | -2.87%       | 10/22/2024                  | D3500V2 SN: 1060     | 2/7/2025          | 20.0                         | 6.700            | 67.000              | 65.700     | 1.98%                         | 2.560            | 25.600              | 24.900   | 2.81%      |
|         |            |             |            | 3400                       | 39.15  | 38.04 | 2.91%            | 2.74   | 2.81  | -2.50%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 3700                       | 38.62  | 37.70 | 2.44%            | 3.02   | 3.12  | -3.18%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 10/26/2024 | Head        | 3500       | 3500                       | 40.05  | 37.93 | 5.59%            | 2.82   | 2.91  | -3.01%       | 10/26/2024                  | D3500V2 SN: 1060     | 2/7/2025          | 20.0                         | 6.370            | 63.700              | 65.700     | -3.04%                        | 2.500            | 25.000              | 24.900   | 0.40%      |
|         |            |             |            | 3400                       | 40.23  | 38.04 | 5.75%            | 2.72   | 2.81  | -3.07%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 3700                       | 39.65  | 37.70 | 5.17%            | 3.03   | 3.12  | -2.73%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 10/26/2024 | Head        | 3900       | 3900                       | 39.29  | 37.47 | 4.85%            | 3.25   | 3.32  | -2.25%       | 10/26/2024                  | D3900V2 SN: 1102     | 10/23/2025        | 20.0                         | 7.240            | 72.400              | 69.300     | 4.47%                         | 2.620            | 26.200              | 24.100   | 8.71%      |
|         |            |             |            | 3800                       | 39.48  | 37.59 | 5.04%            | 3.14   | 3.22  | -2.53%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 4000                       | 39.13  | 37.36 | 4.74%            | 3.36   | 3.42  | -1.90%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 10/30/2024 | Head        | 3500       | 3500                       | 39.32  | 37.93 | 3.67%            | 2.90   | 2.91  | -0.40%       | 10/30/2024                  | D3500V2 SN: 1060     | 2/7/2025          | 20.0                         | 6.980            | 69.800              | 65.700     | 6.24%                         | 2.670            | 26.700              | 24.900   | 7.23%      |
|         |            |             |            | 3400                       | 39.52  | 38.04 | 3.88%            | 2.81   | 2.81  | -0.15%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 3700                       | 38.90  | 37.70 | 3.18%            | 3.10   | 3.12  | -0.52%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 10/30/2024 | Head        | 3900       | 3900                       | 38.59  | 37.47 | 2.98%            | 3.31   | 3.32  | -0.24%       | 10/30/2024                  | D3900V2 SN: 1102     | 10/23/2025        | 20.0                         | 7.050            | 70.500              | 69.300     | 1.73%                         | 2.480            | 24.800              | 24.100   | 2.90%      |
|         |            |             |            | 3800                       | 38.77  | 37.59 | 3.15%            | 3.21   | 3.22  | -0.39%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 4000                       | 38.42  | 37.36 | 2.84%            | 3.42   | 3.42  | -0.01%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 11/4/2024  | Head        | 3500       | 3500                       | 39.13  | 37.93 | 3.16%            | 2.73   | 2.91  | -6.10%       | 11/4/2024                   | D3500V2 SN: 1060     | 2/7/2025          | 20.0                         | 6.810            | 68.100              | 65.700     | 3.65%                         | 2.690            | 26.900              | 24.900   | 8.03%      |
|         |            |             |            | 3400                       | 39.30  | 38.04 | 3.30%            | 2.64   | 2.81  | -6.03%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 3700                       | 38.78  | 37.70 | 2.86%            | 2.94   | 3.12  | -5.78%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 11/4/2024  | Head        | 3900       | 3900                       | 38.46  | 37.47 | 2.63%            | 3.15   | 3.32  | -5.30%       | 11/4/2024                   | D3900V2 SN: 1102     | 10/23/2025        | 20.0                         | 7.010            | 70.100              | 69.300     | 1.15%                         | 2.540            | 25.400              | 24.100   | 5.39%      |
|         |            |             |            | 3800                       | 38.63  | 37.59 | 2.77%            | 3.04   | 3.22  | -5.64%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 4000                       | 38.30  | 37.36 | 2.52%            | 3.25   | 3.42  | -4.97%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 11/8/2024  | Head        | 3500       | 3500                       | 40.68  | 37.93 | 7.25%            | 2.70   | 2.91  | -7.23%       | 11/8/2024                   | D3500V2 SN: 1060     | 2/7/2025          | 20.0                         | 6.810            | 68.100              | 65.700     | 3.65%                         | 2.680            | 26.800              | 24.900   | 7.63%      |
|         |            |             |            | 3400                       | 40.85  | 38.04 | 7.38%            | 2.62   | 2.81  | -6.92%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 3700                       | 40.37  | 37.70 | 7.08%            | 2.88   | 3.12  | -7.45%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 11/8/2024  | Head        | 3900       | 3900                       | 40.07  | 37.47 | 6.93%            | 3.08   | 3.32  | -7.34%       | 11/8/2024                   | D3900V2 SN: 1102     | 10/23/2025        | 20.0                         | 7.050            | 70.500              | 69.300     | 1.73%                         | 2.550            | 25.500              | 24.100   | 5.81%      |
|         |            |             |            | 3800                       | 40.23  | 37.59 | 7.03%            | 2.97   | 3.22  | -7.72%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 4000                       | 39.93  | 37.36 | 6.88%            | 3.18   | 3.42  | -7.22%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 11/12/2024 | Head        | 3500       | 3500                       | 39.61  | 37.93 | 4.43%            | 2.72   | 2.91  | -6.61%       | 11/12/2024                  | D3500V2 SN: 1060     | 2/7/2025          | 20.0                         | 6.680            | 66.800              | 65.700     | -7.46%                        | 2.350            | 23.500              | 24.900   | -5.62%     |
|         |            |             |            | 3400                       | 39.77  | 38.04 | 4.54%            | 2.64   | 2.81  | -6.20%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 3700                       | 39.31  | 37.70 | 4.27%            | 2.90   | 3.12  | -6.97%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 11/12/2024 | Head        | 3900       | 3900                       | 39.03  | 37.47 | 4.15%            | 3.09   | 3.32  | -6.95%       | 11/12/2024                  | D3900V2 SN: 1102     | 10/23/2025        | 20.0                         | 6.240            | 62.400              | 69.300     | -9.96%                        | 2.200            | 22.000              | 24.100   | -8.71%     |
|         |            |             |            | 3800                       | 39.18  | 37.59 | 4.24%            | 2.99   | 3.22  | -7.07%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 4000                       | 38.88  | 37.36 | 4.07%            | 3.19   | 3.42  | -6.90%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 11/15/2024 | Head        | 13         | 13                         | 57.1   | 55.00 | 3.82%            | 0.7047 | 0.75  | -6.04%       | 11/15/2024                  | CLA13 SN: 1008       | 1/12/2025         | 30.0                         | 0.512            | 0.512               | 0.544      | -5.88%                        | 0.317            | 0.317               | 0.338    | -6.21%     |
|         |            |             |            | 12                         | 57.26  | 55.00 | 4.11%            | 0.7047 | 0.75  | -6.04%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 14                         | 56.96  | 55.00 | 3.56%            | 0.7048 | 0.75  | -6.03%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 11/18/2024 | Head        | 3500       | 3500                       | 41.01  | 37.93 | 8.12%            | 2.69   | 2.91  | -7.78%       | 11/18/2024                  | D3500V2 SN: 1060     | 2/7/2025          | 20.0                         | 5.930            | 59.300              | 65.700     | -9.74%                        | 2.350            | 23.500              | 24.900   | -5.62%     |
|         |            |             |            | 3400                       | 41.19  | 38.04 | 8.27%            | 2.59   | 2.81  | -7.73%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 3700                       | 40.68  | 37.70 | 7.90%            | 2.87   | 3.12  | -7.80%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 11/18/2024 | Head        | 3900       | 3900                       | 40.37  | 37.47 | 7.73%            | 3.08   | 3.32  | -7.37%       | 11/18/2024                  | D3900V2 SN: 1102     | 10/23/2025        | 20.0                         | 6.460            | 64.600              | 69.300     | -6.78%                        | 2.310            | 23.100              | 24.100   | -4.15%     |
|         |            |             |            | 3800                       | 40.52  | 37.59 | 7.80%            | 2.97   | 3.22  | -7.66%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 4000                       | 40.21  | 37.36 | 7.63%            | 3.18   | 3.42  | -7.07%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 11/20/2024 | Head        | 13         | 13                         | 54.69  | 55.00 | -0.56%           | 0.69   | 0.75  | -8.40%       | 11/20/2024                  | CLA13 SN: 1008       | 1/12/2025         | 30.0                         | 0.490            | 0.490               | 0.544      | -9.93%                        | 0.305            | 0.305               | 0.338    | -9.76%     |
|         |            |             |            | 12                         | 55.10  | 55.00 | 0.18%            | 0.69   | 0.75  | -8.41%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 14                         | 54.38  | 55.00 | -1.13%           | 0.69   | 0.75  | -8.40%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 12/3/2024  | Head        | 3500       | 3500                       | 39.15  | 37.93 | 3.22%            | 2.72   | 2.91  | -6.68%       | 12/3/2024                   | D3500V2 SN: 1060     | 2/7/2025          | 17.0                         | 3.200            | 63.848              | 65.700     | -2.82%                        | 1.250            | 24.941              | 24.900   | 0.16%      |
|         |            |             |            | 3400                       | 39.33  | 38.04 | 3.38%            | 2.63   | 2.81  | -6.38%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 3700                       | 38.81  | 37.70 | 2.94%            | 2.90   | 3.12  | -6.97%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
| SAR 1   | 12/3/2024  | Head        | 3900       | 3900                       | 38.51  | 37.47 | 2.77%            | 3.09   | 3.32  | -6.95%       | 12/3/2024                   | D3900V2 SN: 1102     | 10/23/2025        | 17.0                         | 3.380            | 67.440              | 69.300     | -2.68%                        | 1.230            | 24.542              | 24.100   | 1.83%      |
|         |            |             |            | 3800                       | 38.66  | 37.59 | 2.85%            | 2.99   | 3.22  | -7.04%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |
|         |            |             |            | 4000                       | 38.35  | 37.36 | 2.65%            | 3.19   | 3.42  | -6.96%       |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |          |            |

| Liquid Check |            |             |            |             |                            |        |       |                  |        |        | System Check |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|--------------|------------|-------------|------------|-------------|----------------------------|--------|-------|------------------|--------|--------|--------------|-----------------------------|----------------------|-------------------|------------------------------|------------------|---------------------|---------------|-------------------------------|------------------|---------------------|------------|----------|
| SAR Lab      | Date       | Tissue Type | Band (MHz) | Freq. (MHz) | Relative Permittivity (er) |        |       | Conductivity (σ) |        |        | Date         | Dipole Type & Serial Number | Dipole Cal. Due Date | Input Power (dBm) | Measured results for 1-g SAR |                  |                     |               | Measured results for 10-g SAR |                  |                     |            | Plot No. |
|              |            |             |            |             | Measured                   | Target | Delta | Measured         | Target | Delta  |              |                             |                      |                   | Meas. Zoom Scan              | Normalize to 1 W | Target (Ref. Value) | Delta ±10%    | Meas. Zoom Scan               | Normalize to 1 W | Target (Ref. Value) | Delta ±10% |          |
| SAR 2        | 10/22/2024 | Head        | 3500       | 3500        | 40.76                      | 37.93  | 7.46% | 2.70             | 2.91   | -8.74% | 10/22/2024   | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 6.500                        | 65.000           | 65.700              | -1.07%        | 2.570                         | 25.700           | 24.900              | 3.21%      |          |
|              |            |             |            | 3400        | 40.94                      | 38.04  | 7.61% | 2.61             | 2.81   | -8.62% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            | 3600        | 40.61                      | 37.82  | 7.39% | 2.80             | 3.01   | -8.62% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| SAR 2        | 10/22/2024 | Head        | 3900       | 3900        | 40.21                      | 37.47  | 7.30% | 3.10             | 3.32   | -8.19% | 10/22/2024   | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.840                        | 68.400           | 69.300              | -1.30%        | 2.500                         | 25.000           | 24.100              | 3.73%      |          |
|              |            |             |            | 3800        | 40.35                      | 37.59  | 7.35% | 3.00             | 3.22   | -8.47% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            | 3700        | 40.47                      | 37.70  | 7.34% | 2.90             | 3.12   | -8.61% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| SAR 2        | 10/26/2024 | Head        | 3500       | 3500        | 40.23                      | 37.93  | 6.06% | 2.82             | 2.91   | -3.04% | 10/26/2024   | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 6.710                        | 67.100           | 65.700              | 2.13%         | 2.650                         | 26.500           | 24.900              | 6.43%      |          |
|              |            |             |            | 3400        | 40.43                      | 38.04  | 6.27% | 2.72             | 2.81   | -3.18% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            | 3700        | 40.03                      | 37.70  | 6.18% | 2.93             | 3.12   | -6.01% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| SAR 2        | 10/26/2024 | Head        | 3900       | 3900        | 39.66                      | 37.59  | 5.51% | 3.14             | 3.22   | -2.35% | 10/26/2024   | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.670                        | 66.700           | 69.300              | -3.75%        | 2.440                         | 24.400           | 24.100              | 1.24%      |          |
|              |            |             |            | 3800        | 39.84                      | 37.70  | 5.67% | 3.03             | 3.12   | -2.64% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            | 3500        | 39.95                      | 37.93  | 5.33% | 2.71             | 2.91   | -7.03% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| SAR 2        | 10/30/2024 | Head        | 3500       | 3400        | 40.14                      | 38.04  | 5.51% | 2.61             | 2.81   | -6.95% | 10/30/2024   | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 5.980                        | 59.800           | 65.700              | <b>-8.98%</b> | 2.360                         | 23.600           | 24.900              | -5.22%     | 4        |
|              |            |             |            | 3700        | 39.61                      | 37.70  | 5.06% | 2.91             | 3.12   | -6.71% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            | 3900        | 39.28                      | 37.47  | 4.82% | 3.11             | 3.32   | -6.23% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| SAR 2        | 10/30/2024 | Head        | 3900       | 3800        | 39.45                      | 37.59  | 4.96% | 3.01             | 3.22   | -6.57% | 10/30/2024   | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.400                        | 64.000           | 69.300              | <b>-7.65%</b> | 2.340                         | 23.400           | 24.100              | -2.90%     | 5        |
|              |            |             |            | 3700        | 39.61                      | 37.70  | 5.06% | 2.91             | 3.12   | -6.62% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            |             |                            |        |       |                  |        |        |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| Liquid Check |            |             |            |             |                            |        |       |                  |        |        | System Check |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| SAR Lab      | Date       | Tissue Type | Band (MHz) | Freq. (MHz) | Relative Permittivity (er) |        |       | Conductivity (σ) |        |        | Date         | Dipole Type & Serial Number | Dipole Cal. Due Date | Input Power (dBm) | Measured results for 1-g SAR |                  |                     |               | Measured results for 10-g SAR |                  |                     |            | Plot No. |
|              |            |             |            |             | Measured                   | Target | Delta | Measured         | Target | Delta  |              |                             |                      |                   | Meas. Zoom Scan              | Normalize to 1 W | Target (Ref. Value) | Delta ±10%    | Meas. Zoom Scan               | Normalize to 1 W | Target (Ref. Value) | Delta ±10% |          |
| SAR 4        | 11/5/2024  | Head        | 3500       | 3500        | 40.36                      | 37.93  | 6.41% | 2.68             | 2.91   | -7.99% | 11/5/2024    | D3500V2 SN: 1011            | 4/17/2025            | 20.0              | 6.130                        | 61.300           | 65.600              | <b>-6.55%</b> | 2.430                         | 24.300           | 24.700              | -1.62%     | 6        |
|              |            |             |            | 3400        | 40.52                      | 38.04  | 6.51% | 2.59             | 2.81   | -7.91% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            | 3700        | 40.03                      | 37.70  | 6.18% | 2.87             | 3.12   | -7.77% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| SAR 4        | 11/5/2024  | Head        | 3900       | 3900        | 39.73                      | 37.47  | 6.02% | 3.08             | 3.32   | -7.37% | 11/5/2024    | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.860                        | 68.600           | 69.300              | -1.01%        | 2.550                         | 25.500           | 24.100              | 5.81%      |          |
|              |            |             |            | 3800        | 39.88                      | 37.59  | 6.10% | 2.97             | 3.22   | -7.63% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            | 4000        | 39.59                      | 37.36  | 5.97% | 3.18             | 3.42   | -7.05% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| SAR 4        | 11/11/2024 | Head        | 3500       | 3500        | 40.16                      | 37.93  | 5.89% | 2.72             | 2.91   | -6.51% | 11/11/2024   | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 6.120                        | 61.200           | 65.700              | -6.85%        | 2.440                         | 24.400           | 24.900              | -2.01%     |          |
|              |            |             |            | 3400        | 40.37                      | 38.04  | 6.11% | 2.63             | 2.81   | -6.42% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            | 3700        | 39.82                      | 37.70  | 5.62% | 2.92             | 3.12   | -6.36% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| SAR 4        | 11/11/2024 | Head        | 3900       | 3900        | 39.49                      | 37.47  | 5.38% | 3.13             | 3.32   | -5.87% | 11/11/2024   | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.670                        | 66.700           | 69.300              | -3.75%        | 2.440                         | 24.400           | 24.100              | 1.24%      |          |
|              |            |             |            | 3800        | 39.66                      | 37.59  | 5.51% | 3.02             | 3.22   | -6.17% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            | 4000        | 39.31                      | 37.36  | 5.22% | 3.23             | 3.42   | -5.61% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| SAR 4        | 11/15/2024 | Head        | 3500       | 3500        | 40.05                      | 37.93  | 5.59% | 2.68             | 2.91   | -7.82% | 11/15/2024   | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 6.160                        | 61.600           | 65.700              | -6.24%        | 2.460                         | 24.600           | 24.900              | -1.20%     |          |
|              |            |             |            | 3400        | 40.21                      | 38.04  | 5.69% | 2.60             | 2.81   | -7.63% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            | 3700        | 39.71                      | 37.70  | 5.33% | 2.87             | 3.12   | -7.90% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| SAR 4        | 11/15/2024 | Head        | 3900       | 3900        | 39.39                      | 37.47  | 5.11% | 3.06             | 3.32   | -7.79% | 11/15/2024   | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.520                        | 65.200           | 69.300              | -5.92%        | 2.410                         | 24.100           | 24.100              | 0.00%      |          |
|              |            |             |            | 3800        | 39.56                      | 37.59  | 5.25% | 2.97             | 3.22   | -7.85% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            | 4000        | 39.25                      | 37.36  | 5.06% | 3.16             | 3.42   | -7.69% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| SAR 4        | 11/19/2024 | Head        | 3500       | 3500        | 40.03                      | 37.93  | 5.54% | 2.66             | 2.91   | -8.64% | 11/19/2024   | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 6.090                        | 60.900           | 65.700              | <b>-7.31%</b> | 2.430                         | 24.300           | 24.900              | -2.41%     | 7        |
|              |            |             |            | 3400        | 40.20                      | 38.04  | 5.67% | 2.57             | 2.81   | -8.55% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            | 3700        | 39.71                      | 37.70  | 5.33% | 2.85             | 3.12   | -8.51% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| SAR 4        | 11/19/2024 | Head        | 3900       | 3900        | 39.41                      | 37.47  | 5.17% | 3.05             | 3.32   | -8.13% | 11/19/2024   | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.490                        | 64.900           | 69.300              | <b>-6.35%</b> | 2.400                         | 24.000           | 24.100              | -0.41%     | 8        |
|              |            |             |            | 3800        | 39.56                      | 37.59  | 5.25% | 2.95             | 3.22   | -8.37% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            | 4000        | 39.28                      | 37.36  | 5.14% | 3.16             | 3.42   | -7.83% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
| SAR 4        | 1/13/2025  | Head        | 2450       | 2450        | 42.10                      | 39.20  | 7.40% | 1.77             | 1.80   | -1.83% | 1/13/2025    | D2450V2 SN: 706             | 1/20/2025            | 17.0              | 2.630                        | 52.475           | 52.300              | <b>0.34%</b>  | 1.270                         | 25.340           | 24.500              | 3.43%      | 9        |
|              |            |             |            | 2400        | 42.16                      | 39.30  | 7.29% | 1.73             | 1.75   | -1.12% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |
|              |            |             |            | 2500        | 42.02                      | 39.14  | 7.37% | 1.81             | 1.85   | -2.54% |              |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |          |

| SAR Lab | Date       | Tissue Type | Band (MHz) | Liquid Check               |        |       |                  |        |       |        |                             |                      | System Check      |                              |                  |                     |            |                               |                  |                     |            |       |    | Plot No. |
|---------|------------|-------------|------------|----------------------------|--------|-------|------------------|--------|-------|--------|-----------------------------|----------------------|-------------------|------------------------------|------------------|---------------------|------------|-------------------------------|------------------|---------------------|------------|-------|----|----------|
|         |            |             |            | Relative Permittivity (εr) |        |       | Conductivity (σ) |        |       | Date   | Dipole Type & Serial Number | Dipole Cal. Due Date | Input Power (dBm) | Measured results for 1-g SAR |                  |                     |            | Measured results for 10-g SAR |                  |                     |            |       |    |          |
|         |            |             |            | Measured                   | Target | Delta | Measured         | Target | Delta |        |                             |                      |                   | Meas. Zoom Scan              | Normalize to 1 W | Target (Ref. Value) | Delta ±10% | Meas. Zoom Scan               | Normalize to 1 W | Target (Ref. Value) | Delta ±10% |       |    |          |
| SAR 5   | 9/24/2024  | Head        | 1640       | 1640                       | 43.02  | 40.25 | 6.87%            | 1.22   | 1.31  | -6.34% | 9/24/2024                   | D1640V2 SN: 324      | 6/13/2025         | 20.0                         | 3.380            | 33.800              | 33.900     | -0.29%                        | 1.880            | 18.800              | 18.300     | 2.73% |    |          |
|         |            |             |            | 1610                       | 43.04  | 40.30 | 6.80%            | 1.21   | 1.29  | -6.43% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1665                       | 42.97  | 40.22 | 6.85%            | 1.24   | 1.32  | -6.36% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 9/24/2024  | Head        | 1750       | 1750                       | 42.91  | 40.08 | 7.05%            | 1.29   | 1.37  | -5.62% | 9/24/2024                   | D1750V2 SN: 1050     | 4/19/2025         | 20.0                         | 3.760            | 37.600              | 36.100     | 4.16%                         | 2.030            | 20.300              | 18.900     | 7.41% |    |          |
|         |            |             |            | 1695                       | 42.94  | 40.17 | 6.90%            | 1.26   | 1.34  | -6.20% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1780                       | 42.83  | 40.04 | 6.97%            | 1.31   | 1.39  | -5.48% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 9/24/2024  | Head        | 1900       | 1900                       | 42.59  | 40.00 | 6.48%            | 1.39   | 1.40  | -0.57% | 9/24/2024                   | D1900V2 SN: 5d163    | 10/18/2025        | 20.0                         | 4.100            | 41.000              | 39.700     | 3.27%                         | 2.160            | 21.600              | 20.800     | 3.85% |    |          |
|         |            |             |            | 1850                       | 42.71  | 40.00 | 6.78%            | 1.36   | 1.40  | -2.71% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1920                       | 42.56  | 40.00 | 6.40%            | 1.40   | 1.40  | 0.29%  |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 9/30/2024  | Head        | 1640       | 1640                       | 42.71  | 40.25 | 6.10%            | 1.26   | 1.31  | -3.82% | 9/30/2024                   | D1640V2 SN: 324      | 6/13/2025         | 20.0                         | 3.620            | 36.200              | 33.900     | 6.78%                         | 1.990            | 19.900              | 18.300     | 8.74% | 10 |          |
|         |            |             |            | 1610                       | 42.78  | 40.30 | 6.15%            | 1.24   | 1.29  | -3.80% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1665                       | 42.69  | 40.22 | 6.15%            | 1.27   | 1.32  | -3.86% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 9/30/2024  | Head        | 1750       | 1750                       | 42.62  | 40.08 | 6.33%            | 1.33   | 1.37  | -3.21% | 9/30/2024                   | D1750V2 SN: 1050     | 4/19/2025         | 20.0                         | 3.750            | 37.500              | 36.100     | 3.88%                         | 2.010            | 20.100              | 18.900     | 6.35% |    |          |
|         |            |             |            | 1695                       | 42.72  | 40.17 | 6.35%            | 1.29   | 1.34  | -3.88% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1780                       | 42.57  | 40.04 | 6.32%            | 1.35   | 1.39  | -2.73% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 9/30/2024  | Head        | 1900       | 1900                       | 42.37  | 40.00 | 5.92%            | 1.42   | 1.40  | 1.57%  | 9/30/2024                   | D1900V2 SN: 5d163    | 10/19/2024        | 20.0                         | 4.130            | 41.300              | 39.700     | 4.03%                         | 2.160            | 21.600              | 20.800     | 3.85% |    |          |
|         |            |             |            | 1850                       | 42.42  | 40.00 | 6.05%            | 1.39   | 1.40  | -0.57% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1920                       | 42.35  | 40.00 | 5.88%            | 1.43   | 1.40  | 2.29%  |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/4/2024  | Head        | 1750       | 1750                       | 41.47  | 40.08 | 3.46%            | 1.29   | 1.37  | -6.06% | 10/4/2024                   | D1750V2 SN: 1050     | 4/19/2025         | 20.0                         | 3.630            | 36.300              | 36.100     | 0.55%                         | 1.950            | 19.500              | 18.900     | 3.17% |    |          |
|         |            |             |            | 1695                       | 41.54  | 40.17 | 3.41%            | 1.25   | 1.34  | -6.35% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1780                       | 41.40  | 40.04 | 3.40%            | 1.30   | 1.39  | -5.98% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/4/2024  | Head        | 1900       | 1900                       | 41.19  | 40.00 | 2.97%            | 1.37   | 1.40  | -2.00% | 10/4/2024                   | D1900V2 SN: 5d163    | 10/18/2025        | 20.0                         | 4.020            | 40.200              | 39.700     | 1.26%                         | 2.120            | 21.200              | 20.800     | 1.92% |    |          |
|         |            |             |            | 1850                       | 41.29  | 40.00 | 3.23%            | 1.35   | 1.40  | -3.93% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1920                       | 41.17  | 40.00 | 2.93%            | 1.38   | 1.40  | -1.21% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/8/2024  | Head        | 1750       | 1750                       | 40.18  | 40.08 | 0.24%            | 1.33   | 1.37  | -3.07% | 10/8/2024                   | D1750V2 SN: 1050     | 4/19/2025         | 20.0                         | 3.740            | 37.400              | 36.100     | 3.60%                         | 2.010            | 20.100              | 18.900     | 6.35% |    |          |
|         |            |             |            | 1695                       | 40.28  | 40.17 | 0.28%            | 1.30   | 1.34  | -2.91% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1780                       | 40.12  | 40.04 | 0.20%            | 1.34   | 1.39  | -3.02% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/8/2024  | Head        | 1900       | 1900                       | 39.92  | 40.00 | -0.20%           | 1.42   | 1.40  | 1.50%  | 10/8/2024                   | D1900V2 SN: 5d163    | 10/18/2025        | 20.0                         | 4.230            | 42.300              | 39.700     | 6.55%                         | 2.230            | 22.300              | 20.800     | 7.21% |    |          |
|         |            |             |            | 1850                       | 40.04  | 40.00 | 0.10%            | 1.39   | 1.40  | -0.79% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1920                       | 39.88  | 40.00 | -0.30%           | 1.43   | 1.40  | 2.29%  |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/11/2024 | Head        | 1640       | 1640                       | 40.52  | 40.25 | 0.66%            | 1.23   | 1.31  | -6.04% | 10/11/2024                  | D1640V2 SN: 324      | 6/13/2025         | 20.0                         | 3.610            | 36.100              | 33.900     | 6.49%                         | 2.000            | 20.000              | 18.300     | 9.29% |    |          |
|         |            |             |            | 1610                       | 40.56  | 40.30 | 0.65%            | 1.21   | 1.29  | -5.97% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1665                       | 40.47  | 40.22 | 0.63%            | 1.24   | 1.32  | -6.13% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/14/2024 | Head        | 1900       | 1900                       | 40.92  | 40.00 | 2.30%            | 1.37   | 1.40  | -2.29% | 10/14/2024                  | D1900V2 SN: 5d163    | 10/18/2025        | 20.0                         | 4.130            | 41.300              | 39.700     | 4.03%                         | 2.180            | 21.800              | 20.800     | 4.81% |    |          |
|         |            |             |            | 1850                       | 40.97  | 40.00 | 2.43%            | 1.34   | 1.40  | -4.36% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1920                       | 40.90  | 40.00 | 2.25%            | 1.38   | 1.40  | -1.36% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/14/2024 | Head        | 1750       | 1750                       | 41.16  | 40.08 | 2.68%            | 1.28   | 1.37  | -6.50% | 10/14/2024                  | D1750V2 SN: 1050     | 4/19/2025         | 20.0                         | 3.680            | 36.800              | 36.100     | 1.94%                         | 1.990            | 19.900              | 18.900     | 5.29% |    |          |
|         |            |             |            | 1695                       | 41.23  | 40.17 | 2.64%            | 1.25   | 1.34  | -6.95% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1780                       | 41.09  | 40.04 | 2.63%            | 1.30   | 1.39  | -6.27% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/18/2024 | Head        | 1750       | 1750                       | 41.81  | 40.08 | 4.30%            | 1.29   | 1.37  | -5.48% | 10/18/2024                  | D1750V2 SN: 1050     | 4/19/2025         | 20.0                         | 3.750            | 37.500              | 36.100     | 3.88%                         | 2.030            | 20.300              | 18.900     | 7.41% |    |          |
|         |            |             |            | 1695                       | 41.90  | 40.17 | 4.31%            | 1.26   | 1.34  | -5.53% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1780                       | 41.74  | 40.04 | 4.25%            | 1.31   | 1.39  | -5.48% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/18/2024 | Head        | 1900       | 1900                       | 41.53  | 40.00 | 3.83%            | 1.39   | 1.40  | -1.07% | 10/18/2024                  | D1900V2 SN: 5d163    | 10/18/2025        | 20.0                         | 4.270            | 42.700              | 39.700     | 7.56%                         | 2.260            | 22.600              | 20.800     | 8.65% |    |          |
|         |            |             |            | 1850                       | 41.67  | 40.00 | 4.18%            | 1.35   | 1.40  | -3.29% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1920                       | 41.50  | 40.00 | 3.75%            | 1.40   | 1.40  | -0.21% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/22/2024 | Head        | 1750       | 1750                       | 40.03  | 40.08 | -0.14%           | 1.28   | 1.37  | -6.57% | 10/22/2024                  | D1750V2 SN: 1050     | 4/19/2025         | 20.0                         | 3.600            | 36.000              | 36.100     | -0.28%                        | 1.950            | 19.500              | 18.900     | 3.17% |    |          |
|         |            |             |            | 1695                       | 40.12  | 40.17 | -0.12%           | 1.25   | 1.34  | -6.87% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1780                       | 39.95  | 40.04 | -0.22%           | 1.30   | 1.39  | -6.41% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/22/2024 | Head        | 1900       | 1900                       | 39.73  | 40.00 | -0.68%           | 1.36   | 1.40  | -2.79% | 10/22/2024                  | D1900V2 SN: 5d163    | 10/18/2025        | 20.0                         | 4.160            | 41.600              | 39.700     | 4.79%                         | 2.200            | 22.000              | 20.800     | 5.77% |    |          |
|         |            |             |            | 1850                       | 39.82  | 40.00 | -0.45%           | 1.34   | 1.40  | -4.64% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1920                       | 39.72  | 40.00 | -0.70%           | 1.37   | 1.40  | -2.00% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/26/2024 | Head        | 1750       | 1750                       | 40.82  | 40.08 | 1.83%            | 1.27   | 1.37  | -7.30% | 10/26/2024                  | D1750V2 SN: 1050     | 4/19/2025         | 20.0                         | 3.710            | 37.100              | 36.100     | 2.77%                         | 2.020            | 20.200              | 18.900     | 6.88% |    |          |
|         |            |             |            | 1695                       | 40.94  | 40.17 | 1.92%            | 1.24   | 1.34  | -7.40% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1780                       | 40.77  | 40.04 | 1.83%            | 1.29   | 1.39  | -6.92% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/26/2024 | Head        | 1900       | 1900                       | 40.56  | 40.00 | 1.40%            | 1.36   | 1.40  | -2.57% | 10/26/2024                  | D1900V2 SN: 5d163    | 10/18/2025        | 20.0                         | 4.180            | 41.800              | 39.700     | 5.29%                         | 2.220            | 22.200              | 20.800     | 6.73% |    |          |
|         |            |             |            | 1850                       | 40.68  | 40.00 | 1.70%            | 1.33   | 1.40  | -4.86% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1920                       | 40.51  | 40.00 | 1.28%            | 1.38   | 1.40  | -1.71% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/30/2024 | Head        | 1750       | 1750                       | 41.17  | 40.08 | 2.71%            | 1.38   | 1.37  | 1.02%  | 10/30/2024                  | D1750V2 SN: 1050     | 4/19/2025         | 20.0                         | 3.860            | 38.600              | 36.100     | 6.93%                         | 2.060            | 20.600              | 18.900     | 8.99% | 11 |          |
|         |            |             |            | 1695                       | 41.28  | 40.17 | 2.77%            | 1.35   | 1.34  | 0.83%  |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1780                       | 41.10  | 40.04 | 2.65%            | 1.40   | 1.39  | 1.16%  |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 10/30/2024 | Head        | 1900       | 1900                       | 40.92  | 40.00 | 2.30%            | 1.48   | 1.40  | 5.79%  | 10/30/2024                  | D1900V2 SN: 5d163    | 10/18/2025        | 20.0                         | 4.350            | 43.500              | 39.700     | 9.57%                         | 2.250            | 22.500              | 20.800     | 8.17% | 12 |          |
|         |            |             |            | 1850                       | 41.01  | 40.00 | 2.52%            | 1.45   | 1.40  | 3.36%  |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1920                       | 40.89  | 40.00 | 2.23%            | 1.49   | 1.40  | 6.71%  |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 11/4/2024  | Head        | 1750       | 1750                       | 40.44  | 40.08 | 0.89%            | 1.36   | 1.37  | -0.80% | 11/4/2024                   | D1750V2 SN: 1050     | 4/19/2025         | 20.0                         | 3.810            | 38.100              | 36.100     | 5.54%                         | 2.020            | 20.200              | 18.900     | 6.88% |    |          |
|         |            |             |            | 1695                       | 40.46  | 40.17 | 0.72%            | 1.33   | 1.34  | -0.67% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1780                       | 40.40  | 40.04 | 0.90%            | 1.38   | 1.39  | -0.71% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 11/4/2024  | Head        | 1900       | 1900                       | 40.22  | 40.00 | 0.55%            | 1.46   | 1.40  | 4.14%  | 11/4/2024                   | D1900V2 SN: 5d163    | 10/18/2025        | 20.0                         | 4.260            | 42.600              | 39.700     | 7.30%                         | 2.210            | 22.100              | 20.800     | 6.25% |    |          |
|         |            |             |            | 1850                       | 40.33  | 40.00 | 0.82%            | 1.43   | 1.40  | 1.86%  |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1920                       | 40.18  | 40.00 | 0.45%            | 1.47   | 1.40  | 5.14%  |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 11/8/2024  | Head        | 1900       | 1900                       | 41.63  | 40.00 | 4.08%            | 1.39   | 1.40  | -0.71% | 11/8/2024                   | D1900V2 SN: 5d140    | 4/14/2025         | 20.0                         | 4.210            | 42.100              | 39.400     | 6.85%                         | 2.250            | 22.500              | 20.600     | 9.22% |    |          |
|         |            |             |            | 1850                       | 41.77  | 40.00 | 4.43%            | 1.37   | 1.40  | -2.50% |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
|         |            |             |            | 1920                       | 41.59  | 40.00 | 3.98%            | 1.40   | 1.40  | 0.00%  |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |       |    |          |
| SAR 5   | 11/12/2024 | Head        | 1750       | 1750                       | 41.49  | 40.08 | 3.51%            | 1.27   | 1.37  | -7.38% | 11/12/2024                  | D1750V2 SN: 1050     | 4/19/2025         | 2                            |                  |                     |            |                               |                  |                     |            |       |    |          |



| SAR Lab | Date       | Tissue Type | Band (MHz) | Liquid Check |                            |        |        |                  |        | System Check |            |                             |                      |                   |                              |                  |                     |            |                               |                  | Plot No. |                     |            |
|---------|------------|-------------|------------|--------------|----------------------------|--------|--------|------------------|--------|--------------|------------|-----------------------------|----------------------|-------------------|------------------------------|------------------|---------------------|------------|-------------------------------|------------------|----------|---------------------|------------|
|         |            |             |            | Freq. (MHz)  | Relative Permittivity (εr) |        |        | Conductivity (σ) |        |              | Date       | Dipole Type & Serial Number | Dipole Cal. Due Date | Input Power (dBm) | Measured results for 1-g SAR |                  |                     |            | Measured results for 10-g SAR |                  |          |                     |            |
|         |            |             |            |              | Measured                   | Target | Delta  | Measured         | Target | Delta        |            |                             |                      |                   | Meas. Zoom Scan              | Normalize to 1 W | Target (Ref. Value) | Delta ±10% | Meas. Zoom Scan               | Normalize to 1 W |          | Target (Ref. Value) | Delta ±10% |
| SAR 7   | 9/30/2024  | Head        | 2600       | 2600         | 41.63                      | 39.01  | 6.71%  | 1.87             | 1.96   | -4.70%       | 9/30/2024  | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.900                        | 59.000           | 55.400              | 6.50%      | 2.720                         | 27.200           | 24.900   | 9.24%               |            |
|         |            |             |            | 2495         | 41.81                      | 39.14  | 6.81%  | 1.78             | 1.85   | -3.50%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2690         | 41.51                      | 38.90  | 6.72%  | 1.95             | 2.06   | -5.56%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 9/30/2024  | Head        | 3500       | 3500         | 40.74                      | 37.93  | 7.41%  | 2.73             | 2.91   | -6.37%       | 9/30/2024  | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 6.520                        | 65.200           | 65.700              | -0.76%     | 2.580                         | 25.800           | 24.900   | 3.81%               |            |
|         |            |             |            | 3400         | 40.91                      | 38.04  | 7.53%  | 2.63             | 2.81   | -6.27%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 3700         | 40.40                      | 37.70  | 7.16%  | 2.92             | 3.12   | -6.23%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 9/30/2024  | Head        | 3900       | 3900         | 40.09                      | 37.47  | 6.98%  | 3.13             | 3.32   | -5.81%       | 9/30/2024  | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.690                        | 66.900           | 69.300              | -3.46%     | 2.420                         | 24.200           | 24.100   | 0.41%               |            |
|         |            |             |            | 3800         | 40.25                      | 37.59  | 7.09%  | 3.02             | 3.22   | -6.04%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 4000         | 39.95                      | 37.36  | 6.93%  | 3.24             | 3.42   | -5.47%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 10/4/2024  | Head        | 2600       | 2600         | 41.18                      | 39.01  | 5.56%  | 1.85             | 1.96   | -5.82%       | 10/4/2024  | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.730                        | 57.300           | 55.400              | 3.43%      | 2.660                         | 26.600           | 24.900   | 6.83%               |            |
|         |            |             |            | 2495         | 41.36                      | 39.14  | 5.66%  | 1.76             | 1.85   | -5.07%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2690         | 41.02                      | 38.90  | 5.46%  | 1.93             | 2.06   | -6.53%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 10/8/2024  | Head        | 2600       | 2600         | 40.76                      | 39.01  | 4.48%  | 1.86             | 1.96   | -5.26%       | 10/8/2024  | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.740                        | 57.400           | 55.400              | 3.61%      | 2.660                         | 26.600           | 24.900   | 6.83%               |            |
|         |            |             |            | 2495         | 40.89                      | 39.14  | 4.46%  | 1.78             | 1.85   | -3.93%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2690         | 40.61                      | 38.90  | 4.40%  | 1.93             | 2.06   | -6.19%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 10/14/2024 | Head        | 2600       | 2600         | 37.65                      | 39.01  | -3.49% | 1.86             | 1.96   | -5.16%       | 10/14/2024 | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.930                        | 59.300           | 55.400              | 7.04%      | 2.680                         | 26.800           | 24.900   | 7.63%               |            |
|         |            |             |            | 2495         | 37.82                      | 39.14  | -3.38% | 1.78             | 1.85   | -3.50%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2690         | 37.50                      | 38.90  | -3.59% | 1.93             | 2.06   | -6.48%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 10/18/2024 | Head        | 2600       | 2600         | 41.62                      | 39.01  | 6.69%  | 1.84             | 1.96   | -6.17%       | 10/18/2024 | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.770                        | 57.700           | 55.400              | 4.15%      | 2.680                         | 26.800           | 24.900   | 7.63%               |            |
|         |            |             |            | 2495         | 41.75                      | 39.14  | 6.66%  | 1.76             | 1.85   | -4.96%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2690         | 41.47                      | 38.90  | 6.61%  | 1.91             | 2.06   | -7.26%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 10/22/2024 | Head        | 2600       | 2600         | 39.24                      | 39.01  | 0.59%  | 1.98             | 1.96   | 1.06%        | 10/22/2024 | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.090                        | 50.900           | 55.400              | -8.12%     | 2.370                         | 23.700           | 24.900   | -4.82%              |            |
|         |            |             |            | 2495         | 39.41                      | 39.14  | 0.68%  | 1.89             | 1.85   | 2.35%        |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2690         | 39.06                      | 38.90  | 0.42%  | 2.06             | 2.06   | -0.02%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 10/26/2024 | Head        | 2600       | 2600         | 40.49                      | 39.01  | 3.79%  | 1.85             | 1.96   | -5.82%       | 10/26/2024 | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.740                        | 57.400           | 55.400              | 3.61%      | 2.660                         | 26.600           | 24.900   | 6.83%               |            |
|         |            |             |            | 2495         | 40.66                      | 39.14  | 3.87%  | 1.76             | 1.85   | -4.96%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2690         | 40.32                      | 38.90  | 3.66%  | 1.93             | 2.06   | -6.48%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 10/30/2024 | Head        | 2600       | 2600         | 40.03                      | 39.01  | 2.61%  | 1.86             | 1.96   | -5.36%       | 10/30/2024 | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.830                        | 58.300           | 55.400              | 5.23%      | 2.690                         | 26.900           | 24.900   | 8.03%               |            |
|         |            |             |            | 2495         | 40.21                      | 39.14  | 2.73%  | 1.77             | 1.85   | -4.20%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2690         | 39.88                      | 38.90  | 2.53%  | 1.93             | 2.06   | -6.33%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 11/4/2024  | Head        | 2600       | 2600         | 39.59                      | 39.01  | 1.48%  | 1.85             | 1.96   | -5.56%       | 11/4/2024  | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.480                        | 54.800           | 55.400              | -1.08%     | 2.540                         | 25.400           | 24.900   | 2.01%               |            |
|         |            |             |            | 2495         | 39.78                      | 39.14  | 1.63%  | 1.76             | 1.85   | -4.63%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2690         | 39.41                      | 38.90  | 1.32%  | 1.93             | 2.06   | -6.38%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 11/13/2024 | Head        | 2600       | 2600         | 40.87                      | 39.01  | 4.77%  | 1.82             | 1.96   | -7.14%       | 11/13/2024 | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.800                        | 58.000           | 55.400              | 4.69%      | 2.700                         | 27.000           | 24.900   | 8.43%               |            |
|         |            |             |            | 2495         | 41.07                      | 39.14  | 4.92%  | 1.74             | 1.85   | -5.93%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2690         | 40.65                      | 38.90  | 4.51%  | 1.90             | 2.06   | -7.94%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 11/13/2024 | Head        | 2300       | 2300         | 41.41                      | 39.47  | 4.91%  | 1.59             | 1.66   | -4.31%       | 11/13/2024 | D2300V2 SN: 1002            | 4/11/2025            | 20.0              | 4.800                        | 48.000           | 48.700              | -1.44%     | 2.390                         | 23.900           | 23.800   | 0.42%               |            |
|         |            |             |            | 2350         | 41.32                      | 39.38  | 4.91%  | 1.63             | 1.71   | -4.61%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2400         | 41.25                      | 39.30  | 4.97%  | 1.67             | 1.75   | -4.78%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 11/13/2024 | Head        | 2450       | 2450         | 41.15                      | 39.20  | 4.97%  | 1.71             | 1.80   | -5.17%       | 11/13/2024 | D2450V2 SN: 748             | 2/8/2025             | 20.0              | 5.330                        | 53.300           | 51.700              | 3.09%      | 2.570                         | 25.700           | 24.200   | 6.20%               |            |
|         |            |             |            | 2400         | 41.25                      | 39.30  | 4.97%  | 1.67             | 1.75   | -4.78%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2500         | 41.06                      | 39.14  | 4.91%  | 1.74             | 1.85   | -5.94%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 11/18/2024 | Head        | 2600       | 2600         | 40.14                      | 39.01  | 2.89%  | 1.82             | 1.96   | -7.09%       | 11/18/2024 | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.540                        | 55.400           | 55.400              | 0.00%      | 2.590                         | 25.900           | 24.900   | 4.02%               |            |
|         |            |             |            | 2495         | 40.31                      | 39.14  | 2.98%  | 1.74             | 1.85   | -5.88%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2690         | 39.98                      | 38.90  | 2.78%  | 1.90             | 2.06   | -7.89%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 11/22/2024 | Head        | 1900       | 1900         | 41.18                      | 40.00  | 2.95%  | 1.34             | 1.40   | -4.57%       | 11/22/2024 | D1900V2 SN: 5d163           | 10/18/2025           | 20.0              | 3.910                        | 39.100           | 39.700              | -1.51%     | 2.100                         | 21.000           | 20.800   | 0.96%               |            |
|         |            |             |            | 1850         | 41.25                      | 40.00  | 3.13%  | 1.31             | 1.40   | -6.21%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 1920         | 41.17                      | 40.00  | 2.93%  | 1.35             | 1.40   | -3.79%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 11/22/2024 | Head        | 1750       | 1750         | 41.40                      | 40.08  | 3.28%  | 1.26             | 1.37   | -8.18%       | 11/22/2024 | D1750V2 SN: 1053            | 10/12/2025           | 20.0              | 3.480                        | 34.800           | 36.600              | -4.92%     | 1.910                         | 19.100           | 19.300   | -1.04%              |            |
|         |            |             |            | 1695         | 41.42                      | 40.17  | 3.11%  | 1.23             | 1.34   | -7.92%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 1780         | 41.36                      | 40.04  | 3.30%  | 1.28             | 1.39   | -8.00%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 12/2/2024  | Head        | 2600       | 2600         | 42.10                      | 39.01  | 7.92%  | 1.81             | 1.96   | -7.60%       | 12/2/2024  | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.270                        | 52.700           | 55.400              | -4.87%     | 2.440                         | 24.400           | 24.900   | -2.01%              |            |
|         |            |             |            | 2495         | 42.24                      | 39.14  | 7.91%  | 1.73             | 1.85   | -6.53%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2690         | 41.96                      | 38.90  | 7.87%  | 1.89             | 2.06   | -8.42%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 12/3/2024  | Head        | 2300       | 2300         | 38.35                      | 39.47  | -2.84% | 1.53             | 1.66   | -8.34%       | 12/3/2024  | D2300V2 SN: 1002            | 4/11/2025            | 20.0              | 4.800                        | 48.000           | 48.700              | -1.44%     | 2.380                         | 23.800           | 23.800   | 0.00%               |            |
|         |            |             |            | 2350         | 38.40                      | 39.38  | -2.50% | 1.56             | 1.71   | -8.59%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2400         | 38.26                      | 39.30  | -2.64% | 1.60             | 1.75   | -8.66%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
| SAR 7   | 12/5/2024  | Head        | 2450       | 2450         | 39.16                      | 39.20  | -0.10% | 1.69             | 1.80   | -5.94%       | 12/5/2024  | D2450V2 SN: 748             | 2/8/2025             | 20.0              | 5.120                        | 51.200           | 51.700              | -0.97%     | 2.420                         | 24.200           | 24.200   | 0.00%               |            |
|         |            |             |            | 2400         | 39.24                      | 39.30  | -0.14% | 1.66             | 1.75   | -5.52%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |
|         |            |             |            | 2500         | 39.08                      | 39.14  | -0.15% | 1.73             | 1.85   | -6.96%       |            |                             |                      |                   |                              |                  |                     |            |                               |                  |          |                     |            |

| SAR Lab | Date       | Tissue Type | Band (MHz) | Liquid Check |                            |        |        |                  |        |        |            |                             | System Check         |                   |                              |                  |                     |            |                               |                  |                     |            |    | Plot No. |
|---------|------------|-------------|------------|--------------|----------------------------|--------|--------|------------------|--------|--------|------------|-----------------------------|----------------------|-------------------|------------------------------|------------------|---------------------|------------|-------------------------------|------------------|---------------------|------------|----|----------|
|         |            |             |            | Freq. (MHz)  | Relative Permittivity (εr) |        |        | Conductivity (σ) |        |        | Date       | Dipole Type & Serial Number | Dipole Cal. Due Date | Input Power (dBm) | Measured results for 1-g SAR |                  |                     |            | Measured results for 10-g SAR |                  |                     |            |    |          |
|         |            |             |            |              | Measured                   | Target | Delta  | Measured         | Target | Delta  |            |                             |                      |                   | Meas. Zoom Scan              | Normalize to 1 W | Target (Ref. Value) | Delta ±10% | Meas. Zoom Scan               | Normalize to 1 W | Target (Ref. Value) | Delta ±10% |    |          |
| SAR 8   | 9/30/2024  | Head        | 1640       | 1640         | 40.96                      | 40.25  | 1.75%  | 1.33             | 1.31   | 1.69%  | 9/30/2024  | D1640V2 SN: 324             | 6/13/2025            | 20.0              | 3.580                        | 35.800           | 33.900              | 5.60%      | 2.010                         | 20.100           | 18.300              | 9.84%      | 21 |          |
|         |            |             |            | 1610         | 41.03                      | 40.30  | 1.81%  | 1.31             | 1.29   | 1.78%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1665         | 40.94                      | 40.22  | 1.80%  | 1.34             | 1.32   | 1.66%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 9/30/2024  | Head        | 1750       | 1750         | 40.85                      | 40.08  | 1.91%  | 1.40             | 1.37   | 2.19%  | 9/30/2024  | D1750V2 SN: 1050            | 4/19/2025            | 20.0              | 3.720                        | 37.200           | 36.100              | 3.05%      | 2.030                         | 20.300           | 18.900              | 7.41%      |    |          |
|         |            |             |            | 1695         | 40.95                      | 40.17  | 1.94%  | 1.36             | 1.34   | 1.65%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1780         | 40.79                      | 40.04  | 1.88%  | 1.42             | 1.39   | 2.60%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 9/30/2024  | Head        | 1900       | 1900         | 39.16                      | 40.00  | -2.10% | 1.45             | 1.40   | 3.36%  | 9/30/2024  | D1900V2 SN: 5d163           | 10/18/2025           | 20.0              | 4.270                        | 42.700           | 39.700              | 7.56%      | 2.280                         | 22.800           | 20.800              | 9.62%      | 22 |          |
|         |            |             |            | 1850         | 39.21                      | 40.00  | -1.96% | 1.42             | 1.40   | 1.21%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1920         | 39.13                      | 40.00  | -2.17% | 1.46             | 1.40   | 4.14%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/4/2024  | Head        | 1750       | 1750         | 42.86                      | 40.08  | 6.92%  | 1.29             | 1.37   | -6.13% | 10/4/2024  | D1750V2 SN: 1050            | 4/19/2025            | 20.0              | 3.520                        | 35.200           | 36.100              | -2.49%     | 1.930                         | 19.300           | 18.900              | 2.12%      |    |          |
|         |            |             |            | 1695         | 42.90                      | 40.17  | 6.80%  | 1.25             | 1.34   | -6.65% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1780         | 42.79                      | 40.04  | 6.87%  | 1.31             | 1.39   | -5.84% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/4/2024  | Head        | 1900       | 1900         | 42.58                      | 40.00  | 6.45%  | 1.38             | 1.40   | -1.64% | 10/4/2024  | D1900V2 SN: 5d163           | 10/18/2025           | 20.0              | 4.040                        | 40.400           | 39.700              | 1.76%      | 2.170                         | 21.700           | 20.800              | 4.33%      |    |          |
|         |            |             |            | 1850         | 42.67                      | 40.00  | 6.68%  | 1.35             | 1.40   | -3.64% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1920         | 42.57                      | 40.00  | 6.43%  | 1.39             | 1.40   | -0.79% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/8/2024  | Head        | 1750       | 1750         | 39.74                      | 40.08  | -0.86% | 1.30             | 1.37   | -5.40% | 10/8/2024  | D1750V2 SN: 1050            | 4/19/2025            | 20.0              | 3.550                        | 35.500           | 36.100              | -1.66%     | 1.950                         | 19.500           | 18.900              | 3.17%      |    |          |
|         |            |             |            | 1695         | 39.85                      | 40.17  | -0.79% | 1.27             | 1.34   | -5.30% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1780         | 39.69                      | 40.04  | -0.87% | 1.31             | 1.39   | -5.33% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/8/2024  | Head        | 1900       | 1900         | 39.49                      | 40.00  | -1.28% | 1.39             | 1.40   | -0.93% | 10/8/2024  | D1900V2 SN: 5d163           | 10/18/2025           | 20.0              | 4.150                        | 41.500           | 39.700              | 4.53%      | 2.210                         | 22.100           | 20.800              | 6.25%      |    |          |
|         |            |             |            | 1850         | 39.61                      | 40.00  | -0.98% | 1.36             | 1.40   | -3.14% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1920         | 39.45                      | 40.00  | -1.37% | 1.40             | 1.40   | -0.14% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/14/2024 | Head        | 1750       | 1750         | 40.80                      | 40.08  | 1.78%  | 1.28             | 1.37   | -6.50% | 10/14/2024 | D1750V2 SN: 1050            | 4/19/2025            | 20.0              | 3.550                        | 35.500           | 36.100              | -1.66%     | 1.950                         | 19.500           | 18.900              | 3.17%      |    |          |
|         |            |             |            | 1695         | 40.86                      | 40.17  | 1.72%  | 1.25             | 1.34   | -6.80% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1780         | 40.73                      | 40.04  | 1.73%  | 1.30             | 1.39   | -6.34% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/14/2024 | Head        | 1900       | 1900         | 40.57                      | 40.00  | 1.43%  | 1.36             | 1.40   | -2.57% | 10/14/2024 | D1900V2 SN: 5d163           | 10/18/2025           | 20.0              | 4.020                        | 40.200           | 39.700              | 1.26%      | 2.160                         | 21.600           | 20.800              | 3.85%      |    |          |
|         |            |             |            | 1850         | 40.62                      | 40.00  | 1.55%  | 1.34             | 1.40   | -4.57% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1920         | 40.56                      | 40.00  | 1.40%  | 1.38             | 1.40   | -1.71% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/14/2024 | Head        | 1640       | 1640         | 40.07                      | 40.25  | -0.46% | 1.22             | 1.31   | -6.34% | 10/14/2024 | D1640V2 SN: 324             | 6/13/2025            | 20.0              | 3.430                        | 34.300           | 33.900              | 1.18%      | 1.940                         | 19.400           | 18.300              | 6.01%      |    |          |
|         |            |             |            | 1610         | 40.10                      | 40.30  | -0.50% | 1.21             | 1.29   | -6.20% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1665         | 40.03                      | 40.22  | -0.46% | 1.24             | 1.32   | -6.51% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/18/2024 | Head        | 1640       | 1640         | 42.27                      | 40.25  | 5.01%  | 1.22             | 1.31   | -6.57% | 10/18/2024 | D1640V2 SN: 324             | 6/13/2025            | 20.0              | 3.390                        | 33.900           | 33.900              | 0.00%      | 1.920                         | 19.200           | 18.300              | 4.92%      |    |          |
|         |            |             |            | 1610         | 42.27                      | 40.30  | 4.89%  | 1.20             | 1.29   | -6.82% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1665         | 42.18                      | 40.22  | 4.89%  | 1.24             | 1.32   | -6.36% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/18/2024 | Head        | 1750       | 1750         | 42.01                      | 40.08  | 4.80%  | 1.28             | 1.37   | -6.28% | 10/18/2024 | D1750V2 SN: 1050            | 4/19/2025            | 20.0              | 3.570                        | 35.700           | 36.100              | -1.11%     | 1.960                         | 19.600           | 18.900              | 3.70%      |    |          |
|         |            |             |            | 1695         | 42.08                      | 40.17  | 4.76%  | 1.25             | 1.34   | -6.27% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1780         | 41.92                      | 40.04  | 4.70%  | 1.30             | 1.39   | -6.27% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/18/2024 | Head        | 1900       | 1900         | 41.31                      | 40.00  | 3.28%  | 1.36             | 1.40   | -2.64% | 10/18/2024 | D1900V2 SN: 5d163           | 10/18/2025           | 20.0              | 4.140                        | 41.400           | 39.700              | 4.28%      | 2.220                         | 22.200           | 20.800              | 6.73%      |    |          |
|         |            |             |            | 1850         | 41.46                      | 40.00  | 3.65%  | 1.33             | 1.40   | -4.86% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1920         | 41.28                      | 40.00  | 3.20%  | 1.38             | 1.40   | -1.79% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/22/2024 | Head        | 1640       | 1640         | 41.06                      | 40.25  | 2.00%  | 1.22             | 1.31   | -6.80% | 10/22/2024 | D1640V2 SN: 324             | 6/13/2025            | 20.0              | 3.370                        | 33.700           | 33.900              | -0.59%     | 1.910                         | 19.100           | 18.300              | 4.37%      |    |          |
|         |            |             |            | 1610         | 41.09                      | 40.30  | 1.96%  | 1.20             | 1.29   | -6.90% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1665         | 41.00                      | 40.22  | 1.95%  | 1.23             | 1.32   | -6.81% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/22/2024 | Head        | 1750       | 1750         | 40.86                      | 40.08  | 1.93%  | 1.28             | 1.37   | -6.43% | 10/22/2024 | D1750V2 SN: 1050            | 4/19/2025            | 20.0              | 3.620                        | 36.200           | 36.100              | 0.28%      | 1.990                         | 19.900           | 18.900              | 5.29%      |    |          |
|         |            |             |            | 1695         | 40.94                      | 40.17  | 1.92%  | 1.25             | 1.34   | -6.80% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1780         | 40.77                      | 40.04  | 1.83%  | 1.30             | 1.39   | -6.34% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/22/2024 | Head        | 1900       | 1900         | 40.55                      | 40.00  | 1.37%  | 1.36             | 1.40   | -2.64% | 10/22/2024 | D1900V2 SN: 5d163           | 10/18/2025           | 20.0              | 4.020                        | 40.200           | 39.700              | 1.26%      | 2.170                         | 21.700           | 20.800              | 4.33%      |    |          |
|         |            |             |            | 1850         | 40.65                      | 40.00  | 1.63%  | 1.34             | 1.40   | -4.50% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1920         | 40.54                      | 40.00  | 1.35%  | 1.37             | 1.40   | -1.86% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/26/2024 | Head        | 1640       | 1640         | 41.50                      | 40.25  | 3.10%  | 1.22             | 1.31   | -6.73% | 10/26/2024 | D1640V2 SN: 324             | 6/13/2025            | 20.0              | 3.310                        | 33.100           | 33.900              | -2.36%     | 1.870                         | 18.700           | 18.300              | 2.19%      |    |          |
|         |            |             |            | 1610         | 41.55                      | 40.30  | 3.10%  | 1.20             | 1.29   | -6.98% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1665         | 41.44                      | 40.22  | 3.05%  | 1.23             | 1.32   | -6.59% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/26/2024 | Head        | 1750       | 1750         | 41.28                      | 40.08  | 2.98%  | 1.28             | 1.37   | -6.65% | 10/26/2024 | D1750V2 SN: 1050            | 4/19/2025            | 20.0              | 3.560                        | 35.600           | 36.100              | -1.39%     | 1.960                         | 19.600           | 18.900              | 3.70%      |    |          |
|         |            |             |            | 1695         | 41.37                      | 40.17  | 2.99%  | 1.25             | 1.34   | -6.50% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1780         | 41.26                      | 40.04  | 3.05%  | 1.28             | 1.39   | -7.64% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/26/2024 | Head        | 1900       | 1900         | 41.03                      | 40.00  | 2.58%  | 1.36             | 1.40   | -2.57% | 10/26/2024 | D1900V2 SN: 5d163           | 10/18/2025           | 20.0              | 3.940                        | 39.400           | 39.700              | -0.76%     | 2.120                         | 21.200           | 20.800              | 1.92%      |    |          |
|         |            |             |            | 1850         | 41.15                      | 40.00  | 2.88%  | 1.34             | 1.40   | -4.64% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1920         | 40.99                      | 40.00  | 2.48%  | 1.37             | 1.40   | -1.86% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/30/2024 | Head        | 1750       | 1750         | 39.86                      | 40.08  | -0.56% | 1.36             | 1.37   | -0.95% | 10/30/2024 | D1750V2 SN: 1050            | 4/19/2025            | 20.0              | 3.500                        | 35.000           | 36.100              | -3.05%     | 1.870                         | 18.700           | 18.900              | -1.06%     |    |          |
|         |            |             |            | 1695         | 39.97                      | 40.17  | -0.50% | 1.32             | 1.34   | -1.19% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1780         | 39.79                      | 40.04  | -0.62% | 1.37             | 1.39   | -0.86% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/30/2024 | Head        | 1640       | 1640         | 40.07                      | 40.25  | -0.46% | 1.29             | 1.31   | -1.37% | 10/30/2024 | D1640V2 SN: 324             | 6/13/2025            | 20.0              | 3.380                        | 33.800           | 33.900              | -0.29%     | 1.860                         | 18.600           | 18.300              | 1.64%      |    |          |
|         |            |             |            | 1610         | 40.12                      | 40.30  | -0.45% | 1.27             | 1.29   | -1.47% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1665         | 40.01                      | 40.22  | -0.51% | 1.30             | 1.32   | -1.29% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 10/30/2024 | Head        | 1900       | 1900         | 39.61                      | 40.00  | -0.98% | 1.45             | 1.40   | 3.57%  | 10/30/2024 | D1900V2 SN: 5d163           | 10/18/2025           | 20.0              | 3.960                        | 39.600           | 39.700              | -0.25%     | 2.060                         | 20.600           | 20.800              | -0.96%     |    |          |
|         |            |             |            | 1850         | 39.69                      | 40.00  | -0.78% | 1.42             | 1.40   | 1.29%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1920         | 39.58                      | 40.00  | -1.05% | 1.46             | 1.40   | 4.50%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 11/4/2024  | Head        | 1750       | 1750         | 42.67                      | 40.08  | 6.45%  | 1.27             | 1.37   | -7.30% | 11/4/2024  | D1750V2 SN: 1050            | 4/19/2025            | 20.0              | 3.510                        | 35.100           | 36.100              | -2.77%     | 1.910                         | 19.100           | 18.900              | 1.06%      |    |          |
|         |            |             |            | 1695         | 42.65                      | 40.17  | 6.18%  | 1.24             | 1.34   | -7.40% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1780         | 42.62                      | 40.04  | 6.45%  | 1.29             | 1.39   | -7.21% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 11/4/2024  | Head        | 1900       | 1900         | 40.60                      | 40.00  | 1.50%  | 1.35             | 1.40   | -3.43% | 11/4/2024  | D1900V2 SN: 5d163           | 10/18/2025           | 20.0              | 4.090                        | 40.900           | 39.700              | 3.02%      | 2.180                         | 21.800           | 20.800              | 4.81%      |    |          |
|         |            |             |            | 1850         | 40.72                      | 40.00  | 1.80%  | 1.32             | 1.40   | -5.57% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 1920         | 40.57                      | 40.00  | 1.43%  | 1.37             | 1.40   | -2.36% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 8   | 11/13/2024 | Head        | 1750       | 1750         | 40.97                      | 40.08  | 2.21%  | 1.29             | 1.37   | -5.99% | 11/13/2024 | D1750V2 SN: 1053            |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |

| Liquid Check |            |             |            |             |                            |        |        |                  |        |        | System Check |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
|--------------|------------|-------------|------------|-------------|----------------------------|--------|--------|------------------|--------|--------|--------------|-----------------------------|----------------------|-------------------|------------------------------|------------------|---------------------|------------|-------------------------------|------------------|---------------------|------------|----------|
| SAR Lab      | Date       | Tissue Type | Band (MHz) | Freq. (MHz) | Relative Permittivity (εr) |        |        | Conductivity (σ) |        |        | Date         | Dipole Type & Serial Number | Dipole Cal. Due Date | Input Power (dBm) | Measured results for 1-g SAR |                  |                     |            | Measured results for 10-g SAR |                  |                     |            | Plot No. |
|              |            |             |            |             | Measured                   | Target | Delta  | Measured         | Target | Delta  |              |                             |                      |                   | Meas. Zoom Scan              | Normalize to 1 W | Target (Ref. Value) | Delta ±10% | Meas. Zoom Scan               | Normalize to 1 W | Target (Ref. Value) | Delta ±10% |          |
| SAR 9        | 9/30/2024  | Head        | 3500       | 3500        | 39.08                      | 37.93  | 3.03%  | 2.80             | 2.91   | -4.00% | 9/30/2024    | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 6.160                        | 61.600           | 65.700              | -6.24%     | 2.380                         | 23.800           | 24.900              | -4.42%     | 27       |
|              |            |             |            | 3400        | 39.28                      | 38.04  | 3.25%  | 2.70             | 2.81   | -4.03% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
|              |            |             |            | 3600        | 38.69                      | 37.82  | 2.31%  | 3.01             | 3.01   | -0.26% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
| SAR 9        | 9/30/2024  | Head        | 3900       | 3900        | 38.32                      | 37.47  | 2.26%  | 3.22             | 3.32   | -2.95% | 10/1/2024    | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.400                        | 64.000           | 69.300              | -7.65%     | 2.270                         | 22.700           | 24.100              | -5.81%     | 28       |
|              |            |             |            | 3800        | 38.50                      | 37.59  | 2.43%  | 3.11             | 3.22   | -3.28% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
|              |            |             |            | 4000        | 38.12                      | 37.36  | 2.04%  | 3.33             | 3.42   | -5.60% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
| SAR 9        | 10/4/2024  | Head        | 3500       | 3500        | 39.04                      | 37.93  | 2.93%  | 2.74             | 2.91   | -5.96% | 10/4/2024    | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 6.530                        | 65.300           | 65.700              | -0.61%     | 2.570                         | 25.700           | 24.900              | 3.21%      |          |
|              |            |             |            | 3400        | 39.24                      | 38.04  | 3.14%  | 2.64             | 2.81   | -6.03% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
|              |            |             |            | 3700        | 38.66                      | 37.70  | 2.54%  | 2.95             | 3.12   | -5.49% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
| SAR 9        | 10/4/2024  | Head        | 3900       | 3900        | 38.31                      | 37.47  | 2.23%  | 3.16             | 3.32   | -4.90% | 10/4/2024    | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.720                        | 67.200           | 69.300              | -3.03%     | 2.430                         | 24.300           | 24.100              | 0.83%      |          |
|              |            |             |            | 3800        | 38.49                      | 37.59  | 2.40%  | 3.05             | 3.22   | -5.24% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
|              |            |             |            | 4000        | 38.13                      | 37.36  | 2.06%  | 3.27             | 3.42   | -4.53% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
| SAR 9        | 10/8/2024  | Head        | 3500       | 3500        | 38.68                      | 37.93  | 1.98%  | 2.72             | 2.91   | -6.65% | 10/8/2024    | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 6.700                        | 67.000           | 65.700              | 1.98%      | 2.640                         | 26.400           | 24.900              | 6.02%      |          |
|              |            |             |            | 3400        | 38.88                      | 38.04  | 2.20%  | 2.63             | 2.81   | -6.49% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
|              |            |             |            | 3700        | 38.31                      | 37.70  | 1.61%  | 2.91             | 3.12   | -6.65% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
| SAR 9        | 10/8/2024  | Head        | 3900       | 3900        | 37.96                      | 37.47  | 1.30%  | 3.11             | 3.32   | -6.41% | 10/8/2024    | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.660                        | 66.600           | 69.300              | -3.90%     | 2.400                         | 24.000           | 24.100              | -0.41%     |          |
|              |            |             |            | 3800        | 38.14                      | 37.59  | 1.47%  | 3.01             | 3.22   | -6.57% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
|              |            |             |            | 4000        | 37.78                      | 37.36  | 1.13%  | 3.21             | 3.42   | -6.17% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
| SAR 9        | 10/14/2024 | Head        | 3500       | 3500        | 36.81                      | 37.93  | -2.95% | 2.71             | 2.91   | -7.03% | 10/14/2024   | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 6.670                        | 66.700           | 65.700              | 1.52%      | 2.630                         | 26.300           | 24.900              | 5.62%      |          |
|              |            |             |            | 3400        | 37.02                      | 38.04  | -2.69% | 2.61             | 2.81   | -7.02% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
|              |            |             |            | 3700        | 36.40                      | 37.70  | -3.45% | 2.91             | 3.12   | -6.71% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
| SAR 9        | 10/14/2024 | Head        | 3900       | 3900        | 36.02                      | 37.47  | -3.88% | 3.11             | 3.32   | -6.26% | 10/14/2024   | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.980                        | 69.800           | 69.300              | 0.72%      | 2.520                         | 25.200           | 24.100              | 4.56%      |          |
|              |            |             |            | 3800        | 36.22                      | 37.59  | -3.64% | 3.01             | 3.22   | -6.51% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
|              |            |             |            | 4000        | 35.83                      | 37.36  | -4.09% | 3.22             | 3.42   | -5.94% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
| SAR 9        | 10/18/2024 | Head        | 3500       | 3500        | 39.68                      | 37.93  | 4.61%  | 2.87             | 2.91   | -1.33% | 10/18/2024   | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 6.680                        | 66.800           | 65.700              | 1.67%      | 2.650                         | 26.500           | 24.900              | 6.43%      |          |
|              |            |             |            | 3400        | 39.88                      | 38.04  | 4.83%  | 2.78             | 2.81   | -0.97% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
|              |            |             |            | 3700        | 39.29                      | 37.70  | 4.21%  | 3.07             | 3.12   | -1.55% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
| SAR 9        | 10/18/2024 | Head        | 3900       | 3900        | 38.92                      | 37.47  | 3.86%  | 3.27             | 3.32   | -1.68% | 10/18/2024   | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 7.300                        | 73.000           | 69.300              | 5.34%      | 2.640                         | 26.400           | 24.100              | 9.54%      |          |
|              |            |             |            | 3800        | 39.11                      | 37.59  | 4.05%  | 3.17             | 3.22   | -1.66% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |
|              |            |             |            | 4000        | 38.74                      | 37.36  | 3.70%  | 3.37             | 3.42   | -1.61% |              |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |          |

| SAR Lab | Date       | Tissue Type | Band (MHz) | Liquid Check |                            |        |        |                  |        |        |            |                             | System Check         |                   |                              |                  |                     |            |                               |                  |                     |            |    | Plot No. |
|---------|------------|-------------|------------|--------------|----------------------------|--------|--------|------------------|--------|--------|------------|-----------------------------|----------------------|-------------------|------------------------------|------------------|---------------------|------------|-------------------------------|------------------|---------------------|------------|----|----------|
|         |            |             |            | Freq. (MHz)  | Relative Permittivity (εr) |        |        | Conductivity (σ) |        |        | Date       | Dipole Type & Serial Number | Dipole Cal. Due Date | Input Power (dBm) | Measured results for 1-g SAR |                  |                     |            | Measured results for 10-g SAR |                  |                     |            |    |          |
|         |            |             |            |              | Measured                   | Target | Delta  | Measured         | Target | Delta  |            |                             |                      |                   | Meas. Zoom Scan              | Normalize to 1 W | Target (Ref. Value) | Delta ±10% | Meas. Zoom Scan               | Normalize to 1 W | Target (Ref. Value) | Delta ±10% |    |          |
| SAR 12  | 9/25/2024  | Head        | 750        | 750          | 43.02                      | 41.96  | 2.52%  | 0.86             | 0.89   | -3.80% | 9/25/2024  | D750V3 SN: 1071             | 11/6/2025            | 20.0              | 0.807                        | 8.070            | 8.490               | -4.95%     | 0.542                         | 5.420            | 5.570               | -2.69%     |    |          |
|         |            |             |            | 660          | 43.41                      | 42.42  | 2.33%  | 0.83             | 0.89   | -6.57% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 800          | 42.82                      | 41.71  | 2.67%  | 0.88             | 0.90   | -2.27% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 9/25/2024  | Head        | 835        | 835          | 42.74                      | 41.50  | 2.99%  | 0.89             | 0.90   | -1.26% | 9/25/2024  | D835V2 SN: 4d117            | 5/11/2025            | 20.0              | 0.984                        | 9.940            | 9.660               | 2.90%      | 0.662                         | 6.620            | 6.270               | 5.58%      |    |          |
|         |            |             |            | 805          | 42.81                      | 41.68  | 2.71%  | 0.88             | 0.90   | -2.11% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 850          | 42.69                      | 41.50  | 2.87%  | 0.89             | 0.92   | -2.34% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 9/30/2024  | Head        | 750        | 750          | 44.76                      | 41.96  | 6.67%  | 0.89             | 0.89   | 0.08%  | 9/30/2024  | D750V3 SN: 1071             | 11/6/2025            | 20.0              | 0.834                        | 8.340            | 8.490               | -1.77%     | 0.556                         | 5.560            | 5.570               | -0.18%     |    |          |
|         |            |             |            | 660          | 45.09                      | 42.42  | 6.29%  | 0.86             | 0.89   | -3.04% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 800          | 44.52                      | 41.71  | 6.75%  | 0.91             | 0.90   | 1.85%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 9/30/2024  | Head        | 835        | 835          | 44.50                      | 41.50  | 7.23%  | 0.93             | 0.90   | 2.96%  | 9/30/2024  | D835V2 SN: 4d117            | 5/11/2025            | 20.0              | 1.010                        | 10.100           | 9.660               | 4.55%      | 0.670                         | 6.700            | 6.270               | 6.86%      |    |          |
|         |            |             |            | 805          | 44.53                      | 41.68  | 6.84%  | 0.91             | 0.90   | 1.80%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 850          | 44.44                      | 41.50  | 7.08%  | 0.93             | 0.92   | 1.27%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/4/2024  | Head        | 750        | 750          | 45.59                      | 41.96  | 8.65%  | 0.86             | 0.89   | -4.10% | 10/4/2024  | D750V3 SN: 1071             | 11/6/2025            | 20.0              | 0.810                        | 8.100            | 8.490               | -4.59%     | 0.544                         | 5.440            | 5.570               | -2.33%     |    |          |
|         |            |             |            | 660          | 45.91                      | 42.42  | 8.22%  | 0.82             | 0.89   | -7.06% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 800          | 45.42                      | 41.71  | 8.91%  | 0.87             | 0.90   | -2.66% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/4/2024  | Head        | 835        | 835          | 44.28                      | 41.50  | 6.70%  | 0.88             | 0.90   | -2.42% | 10/4/2024  | D835V2 SN: 4d117            | 5/11/2025            | 20.0              | 0.989                        | 9.890            | 9.660               | 2.38%      | 0.659                         | 6.590            | 6.270               | 5.10%      |    |          |
|         |            |             |            | 805          | 44.33                      | 41.68  | 6.36%  | 0.87             | 0.90   | -3.46% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 850          | 44.23                      | 41.50  | 6.58%  | 0.88             | 0.92   | -3.40% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/8/2024  | Head        | 750        | 750          | 44.33                      | 41.96  | 5.64%  | 0.86             | 0.89   | -3.76% | 10/8/2024  | D750V3 SN: 1071             | 11/6/2025            | 20.0              | 0.803                        | 8.030            | 8.490               | -5.42%     | 0.539                         | 5.390            | 5.570               | -3.23%     | 29 |          |
|         |            |             |            | 660          | 44.70                      | 42.42  | 5.37%  | 0.83             | 0.89   | -8.83% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 800          | 44.14                      | 41.71  | 5.84%  | 0.88             | 0.90   | -2.10% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/8/2024  | Head        | 835        | 835          | 43.99                      | 41.50  | 6.00%  | 0.89             | 0.90   | -1.09% | 10/8/2024  | D835V2 SN: 4d117            | 5/11/2025            | 20.0              | 1.010                        | 10.100           | 9.660               | 4.55%      | 0.672                         | 6.720            | 6.270               | 7.18%      |    |          |
|         |            |             |            | 805          | 44.12                      | 41.68  | 5.86%  | 0.88             | 0.90   | -1.93% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 850          | 43.95                      | 41.50  | 5.90%  | 0.89             | 0.92   | -2.21% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/14/2024 | Head        | 750        | 750          | 41.60                      | 41.96  | -0.86% | 0.87             | 0.89   | -3.03% | 10/14/2024 | D750V3 SN: 1071             | 11/6/2025            | 20.0              | 0.828                        | 8.280            | 8.490               | -2.47%     | 0.554                         | 5.540            | 5.570               | -0.54%     |    |          |
|         |            |             |            | 660          | 41.93                      | 42.42  | -1.16% | 0.83             | 0.89   | -5.98% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 800          | 41.40                      | 41.71  | -0.73% | 0.88             | 0.90   | -1.44% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/14/2024 | Head        | 835        | 835          | 41.29                      | 41.50  | -0.51% | 0.90             | 0.90   | -0.40% | 10/14/2024 | D835V2 SN: 4d117            | 5/11/2025            | 20.0              | 1.000                        | 10.000           | 9.660               | 3.52%      | 0.664                         | 6.640            | 6.270               | 5.90%      |    |          |
|         |            |             |            | 805          | 41.39                      | 41.68  | -0.69% | 0.89             | 0.90   | -1.28% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 850          | 41.24                      | 41.50  | -0.63% | 0.90             | 0.92   | -1.49% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/17/2024 | Head        | 2300       | 2300         | 39.72                      | 39.47  | 0.63%  | 1.84             | 1.66   | -1.25% | 10/17/2024 | D2300V2 SN: 1002            | 4/11/2025            | 20.0              | 5.050                        | 50.500           | 48.700              | 3.70%      | 2.390                         | 23.900           | 23.800              | 0.42%      |    |          |
|         |            |             |            | 2350         | 39.64                      | 39.38  | 0.65%  | 1.68             | 1.71   | -1.56% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 2400         | 39.55                      | 39.30  | 0.64%  | 1.72             | 1.75   | -1.86% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/18/2024 | Head        | 750        | 750          | 42.67                      | 41.96  | 1.69%  | 0.86             | 0.89   | -3.27% | 10/18/2024 | D750V3 SN: 1071             | 11/6/2025            | 20.0              | 0.843                        | 8.430            | 8.490               | -0.71%     | 0.571                         | 5.710            | 5.570               | 2.51%      |    |          |
|         |            |             |            | 660          | 43.02                      | 42.42  | 1.41%  | 0.83             | 0.89   | -6.08% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 800          | 42.48                      | 41.71  | 1.86%  | 0.88             | 0.90   | -1.74% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/18/2024 | Head        | 835        | 835          | 42.38                      | 41.50  | 2.12%  | 0.89             | 0.90   | -0.74% | 10/18/2024 | D835V2 SN: 4d117            | 5/11/2025            | 20.0              | 1.020                        | 10.200           | 9.660               | 5.59%      | 0.684                         | 6.840            | 6.270               | 9.09%      | 30 |          |
|         |            |             |            | 805          | 42.47                      | 41.68  | 1.90%  | 0.88             | 0.90   | -1.54% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 850          | 42.32                      | 41.50  | 1.98%  | 0.90             | 0.92   | -1.80% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/21/2024 | Head        | 2300       | 2300         | 39.25                      | 39.47  | -0.56% | 1.59             | 1.66   | -4.73% | 10/21/2024 | D2300V2 SN: 1002            | 4/11/2025            | 20.0              | 4.610                        | 46.100           | 48.700              | -5.34%     | 2.260                         | 22.600           | 23.800              | -5.04%     | 31 |          |
|         |            |             |            | 2350         | 39.17                      | 39.38  | -0.54% | 1.62             | 1.71   | -5.02% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 2400         | 39.08                      | 39.30  | -0.55% | 1.66             | 1.75   | -5.29% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/22/2024 | Head        | 750        | 750          | 41.16                      | 41.96  | -1.91% | 0.85             | 0.89   | -4.33% | 10/22/2024 | D750V3 SN: 1071             | 11/6/2025            | 20.0              | 0.817                        | 8.170            | 8.490               | -3.77%     | 0.552                         | 5.520            | 5.570               | -0.90%     |    |          |
|         |            |             |            | 660          | 41.49                      | 42.42  | -2.20% | 0.82             | 0.89   | -6.96% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 800          | 40.99                      | 41.71  | -1.71% | 0.87             | 0.90   | -2.88% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/22/2024 | Head        | 835        | 835          | 40.90                      | 41.50  | -1.45% | 0.88             | 0.90   | -1.92% | 10/22/2024 | D835V2 SN: 4d117            | 5/11/2025            | 20.0              | 1.020                        | 10.200           | 9.660               | 5.59%      | 0.681                         | 6.810            | 6.270               | 8.61%      |    |          |
|         |            |             |            | 805          | 40.98                      | 41.68  | -1.66% | 0.87             | 0.90   | -2.73% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 850          | 40.84                      | 41.50  | -1.59% | 0.89             | 0.92   | -2.98% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/28/2024 | Head        | 750        | 750          | 44.10                      | 41.96  | 5.10%  | 0.84             | 0.89   | -6.37% | 10/28/2024 | D750V3 SN: 1071             | 11/6/2025            | 20.0              | 0.812                        | 8.120            | 8.490               | -4.36%     | 0.547                         | 5.470            | 5.570               | -1.80%     |    |          |
|         |            |             |            | 660          | 44.43                      | 42.42  | 4.73%  | 0.81             | 0.89   | -8.92% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 800          | 43.98                      | 41.71  | 5.45%  | 0.85             | 0.90   | -5.03% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/28/2024 | Head        | 835        | 835          | 43.00                      | 41.50  | 3.61%  | 0.85             | 0.90   | -5.36% | 10/28/2024 | D835V2 SN: 4d117            | 5/11/2025            | 20.0              | 0.989                        | 9.890            | 9.660               | 2.38%      | 0.660                         | 6.600            | 6.270               | 5.26%      |    |          |
|         |            |             |            | 805          | 43.08                      | 41.68  | 3.36%  | 0.84             | 0.90   | -6.23% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 850          | 42.96                      | 41.50  | 3.52%  | 0.86             | 0.92   | -6.33% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/29/2024 | Head        | 3500       | 3500         | 38.47                      | 37.93  | 1.42%  | 2.63             | 2.91   | -9.64% | 10/29/2024 | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 6.170                        | 61.700           | 65.700              | -6.09%     | 2.420                         | 24.200           | 24.900              | -2.81%     | 32 |          |
|         |            |             |            | 3400         | 38.64                      | 38.04  | 1.57%  | 2.55             | 2.81   | -9.41% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 3700         | 38.15                      | 37.70  | 1.19%  | 2.82             | 3.12   | -9.63% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 10/29/2024 | Head        | 3900       | 3900         | 37.83                      | 37.47  | 0.95%  | 3.01             | 3.32   | -9.39% | 10/29/2024 | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.400                        | 64.000           | 69.300              | -7.65%     | 2.300                         | 23.000           | 24.100              | -4.56%     | 33 |          |
|         |            |             |            | 3800         | 37.99                      | 37.59  | 1.07%  | 2.91             | 3.22   | -9.52% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 4000         | 37.68                      | 37.36  | 0.86%  | 3.11             | 3.42   | -9.21% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 11/4/2024  | Head        | 3500       | 3500         | 37.77                      | 37.93  | -0.42% | 2.77             | 2.91   | -4.90% | 11/4/2024  | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 6.530                        | 65.300           | 65.700              | -0.61%     | 2.560                         | 25.600           | 24.900              | 2.81%      |    |          |
|         |            |             |            | 3400         | 37.96                      | 38.04  | -0.22% | 2.67             | 2.81   | -4.85% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 3700         | 37.38                      | 37.70  | -0.85% | 2.97             | 3.12   | -4.60% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 11/4/2024  | Head        | 3900       | 3900         | 37.00                      | 37.47  | -1.26% | 3.18             | 3.32   | -4.21% | 11/4/2024  | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.800                        | 68.000           | 69.300              | -1.88%     | 2.440                         | 24.400           | 24.100              | 1.24%      |    |          |
|         |            |             |            | 3800         | 37.18                      | 37.59  | -1.08% | 3.08             | 3.22   | -4.46% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 4000         | 36.82                      | 37.36  | -1.44% | 3.29             | 3.42   | -3.92% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 11/11/2024 | Head        | 3500       | 3500         | 40.73                      | 37.93  | 7.38%  | 2.66             | 2.91   | -8.64% | 11/11/2024 | D3500V2 SN: 1060            | 2/7/2025             | 20.0              | 6.300                        | 63.000           | 65.700              | -4.11%     | 2.470                         | 24.700           | 24.900              | -0.80%     |    |          |
|         |            |             |            | 3400         | 40.84                      | 38.04  | 7.35%  | 2.59             | 2.81   | -7.81% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 3600         | 40.63                      | 37.82  | 7.44%  | 2.74             | 3.01   | -9.09% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 11/11/2024 | Head        | 3900       | 3900         | 40.16                      | 37.47  | 7.17%  | 3.00             | 3.32   | -9.66% | 11/11/2024 | D3900V2 SN: 1102            | 10/23/2025           | 20.0              | 6.630                        | 66.300           | 69.300              | -4.33%     | 2.420                         | 24.200           | 24.100              | 0.41%      |    |          |
|         |            |             |            | 3800         | 40.34                      | 37.59  | 7.32%  | 2.91             | 3.22   | -9.59% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
|         |            |             |            | 4000         | 39.99                      | 37.36  | 7.04%  | 3.10             | 3.42   | -9.44% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |    |          |
| SAR 12  | 11/12/2024 | Head        | 750        | 750          | 44.62                      | 41.96  | 6.34%  | 0.86             | 0.89   | -3.70% | 11/12/2024 | D750V3 SN: 1071             | 11/6/2025            | 20.0              | 0.854                        | 8.540            | 8.490               | 0.59%      | 0.569                         |                  |                     |            |    |          |

| SAR Lab | Date       | Tissue Type | Band (MHz) | Liquid Check |                            |        |        |                  |        |        |            |                             | System Check         |                   |                              |                  |                     |               |                               |                  |                     |            |    | Plot No. |
|---------|------------|-------------|------------|--------------|----------------------------|--------|--------|------------------|--------|--------|------------|-----------------------------|----------------------|-------------------|------------------------------|------------------|---------------------|---------------|-------------------------------|------------------|---------------------|------------|----|----------|
|         |            |             |            | Freq. (MHz)  | Relative Permittivity (εr) |        |        | Conductivity (σ) |        |        | Date       | Dipole Type & Serial Number | Dipole Cal. Due Date | Input Power (dBm) | Measured results for 1-g SAR |                  |                     |               | Measured results for 10-g SAR |                  |                     |            |    |          |
|         |            |             |            |              | Measured                   | Target | Delta  | Measured         | Target | Delta  |            |                             |                      |                   | Meas. Zoom Scan              | Normalize to 1 W | Target (Ref. Value) | Delta ±10%    | Meas. Zoom Scan               | Normalize to 1 W | Target (Ref. Value) | Delta ±10% |    |          |
| SAR 14  | 9/30/2024  | Head        | 2450       | 2450         | 37.21                      | 39.20  | -5.08% | 1.80             | 1.80   | 0.11%  | 9/30/2024  | D2450V2 SN: 706             | 1/20/2025            | 20.0              | 5.050                        | 50.500           | 52.300              | -3.44%        | 2.370                         | 23.700           | 24.500              | -3.27%     |    |          |
|         |            |             |            | 2400         | 37.31                      | 39.30  | -5.06% | 1.76             | 1.75   | 0.65%  |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2500         | 37.12                      | 39.14  | -5.15% | 1.84             | 1.85   | -0.87% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 10/4/2024  | Head        | 2450       | 2450         | 38.63                      | 39.20  | -1.45% | 1.80             | 1.80   | -0.28% | 10/4/2024  | D2450V2 SN: 706             | 1/20/2025            | 20.0              | 5.040                        | 50.400           | 52.300              | -3.63%        | 2.380                         | 23.800           | 24.500              | -2.86%     |    |          |
|         |            |             |            | 2400         | 38.73                      | 39.30  | -1.44% | 1.76             | 1.75   | 0.31%  |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2500         | 38.55                      | 39.14  | -1.50% | 1.83             | 1.85   | -1.24% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 10/8/2024  | Head        | 2450       | 2450         | 36.75                      | 39.20  | -6.25% | 1.82             | 1.80   | 1.17%  | 10/8/2024  | D2450V2 SN: 706             | 1/20/2025            | 20.0              | 5.010                        | 50.100           | 52.300              | -4.21%        | 2.350                         | 23.500           | 24.500              | -4.08%     |    |          |
|         |            |             |            | 2400         | 36.85                      | 39.30  | -6.23% | 1.79             | 1.75   | 1.90%  |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2500         | 36.65                      | 39.14  | -6.35% | 1.86             | 1.85   | 0.21%  |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 10/10/2024 | Head        | 2300       | 2300         | 37.46                      | 39.47  | -5.10% | 1.66             | 1.66   | -0.10% | 10/10/2024 | D2300V2 SN: 1002            | 4/11/2025            | 20.0              | 4.890                        | 48.900           | 48.700              | 0.41%         | 2.360                         | 23.600           | 23.800              | -0.84%     |    |          |
|         |            |             |            | 2350         | 37.38                      | 39.38  | -5.09% | 1.70             | 1.71   | -0.74% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2400         | 37.30                      | 39.30  | -5.08% | 1.73             | 1.75   | -1.24% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 10/14/2024 | Head        | 2450       | 2450         | 37.49                      | 39.20  | -4.36% | 1.78             | 1.80   | -1.06% | 10/14/2024 | D2450V2 SN: 706             | 1/20/2025            | 20.0              | 4.950                        | 49.500           | 52.300              | -5.35%        | 2.340                         | 23.400           | 24.500              | -4.49%     |    |          |
|         |            |             |            | 2400         | 37.57                      | 39.30  | -4.39% | 1.74             | 1.75   | -0.49% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2500         | 37.40                      | 39.14  | -4.44% | 1.82             | 1.85   | -1.89% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 10/14/2024 | Head        | 2300       | 2300         | 37.76                      | 39.47  | -4.34% | 1.67             | 1.66   | 0.50%  | 10/17/2024 | D2300V2 SN: 1002            | 4/11/2025            | 20.0              | 4.910                        | 49.100           | 48.700              | 0.82%         | 2.380                         | 23.800           | 23.800              | 0.00%      |    |          |
|         |            |             |            | 2350         | 37.66                      | 39.38  | -4.38% | 1.71             | 1.71   | 0.08%  |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2400         | 37.57                      | 39.30  | -4.39% | 1.74             | 1.75   | -0.49% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 10/18/2024 | Head        | 2300       | 2300         | 38.59                      | 39.47  | -2.24% | 1.66             | 1.66   | -0.04% | 10/18/2024 | D2300V2 SN: 1002            | 4/11/2025            | 20.0              | 5.030                        | 50.300           | 48.700              | 3.29%         | 2.440                         | 24.400           | 23.800              | 2.52%      |    |          |
|         |            |             |            | 2350         | 38.56                      | 39.38  | -2.09% | 1.70             | 1.71   | -0.27% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2400         | 38.43                      | 39.30  | -2.21% | 1.75             | 1.75   | -0.21% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 10/18/2024 | Head        | 2450       | 2450         | 38.36                      | 39.20  | -2.14% | 1.79             | 1.80   | -0.67% | 10/18/2024 | D2450V2 SN: 706             | 1/20/2025            | 20.0              | 5.240                        | 52.400           | 52.300              | 0.19%         | 2.520                         | 25.200           | 24.500              | 2.86%      |    |          |
|         |            |             |            | 2400         | 38.43                      | 39.30  | -2.21% | 1.75             | 1.75   | -0.21% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2500         | 38.23                      | 39.14  | -2.32% | 1.83             | 1.85   | -1.35% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 10/22/2024 | Head        | 2300       | 2300         | 38.41                      | 39.47  | -2.69% | 1.66             | 1.66   | -0.22% | 10/22/2024 | D2300V2 SN: 1002            | 4/11/2025            | 20.0              | 4.830                        | 48.300           | 48.700              | -0.82%        | 2.340                         | 23.400           | 23.800              | -1.68%     |    |          |
|         |            |             |            | 2350         | 38.32                      | 39.38  | -2.70% | 1.70             | 1.71   | -0.68% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2400         | 38.21                      | 39.30  | -2.77% | 1.73             | 1.75   | -1.12% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 10/22/2024 | Head        | 2450       | 2450         | 38.12                      | 39.20  | -2.76% | 1.77             | 1.80   | -1.83% | 10/22/2024 | D2450V2 SN: 706             | 1/20/2025            | 20.0              | 4.920                        | 49.200           | 52.300              | -5.93%        | 2.320                         | 23.200           | 24.500              | -5.31%     |    |          |
|         |            |             |            | 2400         | 38.21                      | 39.30  | -2.77% | 1.73             | 1.75   | -1.12% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2500         | 38.03                      | 39.14  | -2.83% | 1.80             | 1.85   | -2.75% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 10/28/2024 | Head        | 2300       | 2300         | 37.80                      | 39.47  | -4.24% | 1.64             | 1.66   | -1.73% | 10/28/2024 | D2300V2 SN: 1002            | 4/11/2025            | 20.0              | 4.710                        | 47.100           | 48.700              | -3.29%        | 2.290                         | 22.900           | 23.800              | -3.78%     |    |          |
|         |            |             |            | 2350         | 37.72                      | 39.38  | -4.23% | 1.67             | 1.71   | -2.15% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2400         | 37.64                      | 39.30  | -4.22% | 1.71             | 1.75   | -2.49% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 10/28/2024 | Head        | 2600       | 2600         | 37.29                      | 39.01  | -4.41% | 1.86             | 1.96   | -5.21% | 10/28/2024 | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.410                        | 54.100           | 55.400              | <b>-2.35%</b> | 2.460                         | 24.600           | 24.900              | -1.20%     | 34 |          |
|         |            |             |            | 2495         | 37.47                      | 39.14  | -4.27% | 1.78             | 1.85   | -3.82% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2690         | 37.13                      | 38.90  | -4.54% | 1.93             | 2.06   | -6.43% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 10/30/2024 | Head        | 2450       | 2450         | 37.49                      | 39.20  | -4.36% | 1.76             | 1.80   | -2.28% | 10/30/2024 | D2450V2 SN: 706             | 1/20/2025            | 20.0              | 4.760                        | 47.600           | 52.300              | <b>-8.99%</b> | 2.250                         | 22.500           | 24.500              | -8.16%     | 35 |          |
|         |            |             |            | 2400         | 37.55                      | 39.30  | -4.44% | 1.72             | 1.75   | -1.64% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2500         | 37.42                      | 39.14  | -4.39% | 1.80             | 1.85   | -3.08% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 11/1/2024  | Head        | 2300       | 2300         | 38.16                      | 39.47  | -3.33% | 1.67             | 1.66   | 0.44%  | 11/1/2024  | D2300V2 SN: 1002            | 4/11/2025            | 20.0              | 4.890                        | 48.900           | 48.700              | 0.41%         | 2.380                         | 23.800           | 23.800              | 0.00%      |    |          |
|         |            |             |            | 2350         | 38.07                      | 39.38  | -3.34% | 1.71             | 1.71   | -0.04% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2400         | 37.99                      | 39.30  | -3.33% | 1.74             | 1.75   | -0.55% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 11/1/2024  | Head        | 2600       | 2600         | 37.67                      | 39.01  | -3.44% | 1.90             | 1.96   | -3.22% | 11/1/2024  | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.630                        | 56.300           | 55.400              | 1.62%         | 2.560                         | 25.600           | 24.900              | 2.81%      |    |          |
|         |            |             |            | 2495         | 37.84                      | 39.14  | -3.33% | 1.81             | 1.85   | -1.98% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2690         | 37.51                      | 38.90  | -3.57% | 1.97             | 2.06   | -4.15% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 11/5/2024  | Head        | 2600       | 2600         | 38.38                      | 39.01  | -1.62% | 1.91             | 1.96   | -2.76% | 11/5/2024  | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.480                        | 54.800           | 55.400              | -1.08%        | 2.500                         | 25.000           | 24.900              | 0.40%      |    |          |
|         |            |             |            | 2495         | 38.56                      | 39.14  | -1.49% | 1.82             | 1.85   | -1.66% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2690         | 38.21                      | 38.90  | -1.77% | 1.98             | 2.06   | -3.81% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 11/11/2024 | Head        | 2600       | 2600         | 37.37                      | 39.01  | -4.21% | 1.90             | 1.96   | -3.22% | 11/11/2024 | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.650                        | 56.500           | 55.400              | 1.99%         | 2.570                         | 25.700           | 24.900              | 3.21%      |    |          |
|         |            |             |            | 2495         | 37.56                      | 39.14  | -4.04% | 1.81             | 1.85   | -1.93% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2690         | 37.21                      | 38.90  | -4.34% | 1.97             | 2.06   | -4.39% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 11/12/2024 | Head        | 2300       | 2300         | 36.62                      | 39.47  | -7.23% | 1.58             | 1.66   | -5.15% | 11/12/2024 | D2300V2 SN: 1002            | 4/11/2025            | 20.0              | 4.410                        | 44.100           | 48.700              | <b>-9.45%</b> | 2.150                         | 21.500           | 23.800              | -9.66%     | 36 |          |
|         |            |             |            | 2350         | 36.50                      | 39.38  | -7.32% | 1.61             | 1.71   | -5.66% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2400         | 36.46                      | 39.30  | -7.22% | 1.64             | 1.75   | -6.15% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 11/16/2024 | Head        | 2600       | 2600         | 37.81                      | 39.01  | -3.08% | 1.87             | 1.96   | -4.80% | 11/16/2024 | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.460                        | 54.600           | 55.400              | -1.44%        | 2.480                         | 24.800           | 24.900              | -0.40%     |    |          |
|         |            |             |            | 2495         | 37.99                      | 39.14  | -2.95% | 1.78             | 1.85   | -3.71% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2690         | 37.64                      | 38.90  | -3.23% | 1.94             | 2.06   | -5.80% |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
| SAR 14  | 11/21/2024 | Head        | 2300       | 2300         | 40.53                      | 39.47  | 2.68%  | 1.70             | 1.66   | 2.42%  | 11/21/2024 | D2300V2 SN: 1002            | 4/11/2025            | 20.0              | 5.160                        | 51.600           | 48.700              | 5.95%         | 2.520                         | 25.200           | 23.800              | 5.88%      |    |          |
|         |            |             |            | 2350         | 40.47                      | 39.38  | 2.76%  | 1.75             | 1.71   | 2.30%  |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |
|         |            |             |            | 2400         | 40.36                      | 39.30  | 2.71%  | 1.79             | 1.75   | 1.96%  |            |                             |                      |                   |                              |                  |                     |               |                               |                  |                     |            |    |          |

| SAR Lab | Date       | Tissue Type | Band (MHz) | Liquid Check               |        |       |                  |        |       |        |                             |                              | System Check      |                              |                  |                     |            |                 |                               |                     |            |        |    | Plot No. |
|---------|------------|-------------|------------|----------------------------|--------|-------|------------------|--------|-------|--------|-----------------------------|------------------------------|-------------------|------------------------------|------------------|---------------------|------------|-----------------|-------------------------------|---------------------|------------|--------|----|----------|
|         |            |             |            | Relative Permittivity (εr) |        |       | Conductivity (σ) |        |       | Date   | Dipole Type & Serial Number | Dipole Cal. Due Date         | Input Power (dBm) | Measured results for 1-g SAR |                  |                     |            |                 | Measured results for 10-g SAR |                     |            |        |    |          |
|         |            |             |            | Measured                   | Target | Delta | Measured         | Target | Delta |        |                             |                              |                   | Meas. Zoom Scan              | Normalize to 1 W | Target (Ref. Value) | Delta ±10% | Meas. Zoom Scan | Normalize to 1 W              | Target (Ref. Value) | Delta ±10% |        |    |          |
| SAR 15  | 9/30/2024  | Head        | 5250       | 5250                       | 37.47  | 35.93 | 4.28%            | 4.43   | 4.70  | -5.77% | 9/30/2024                   | D5GHz V2 SN: 1138 (5.25 GHz) | 2/3/2025          | 20.0                         | 8.150            | 81.500              | 80.400     | 1.37%           | 2.370                         | 23.700              | 23.000     | 3.04%  | 37 |          |
|         |            |             |            | 5150                       | 37.65  | 36.05 | 4.45%            | 4.32   | 4.60  | -6.00% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5350                       | 37.28  | 35.82 | 4.08%            | 4.54   | 4.80  | -5.46% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 9/30/2024  | Head        | 5600       | 5600                       | 36.84  | 35.53 | 3.68%            | 4.81   | 5.06  | -4.87% | 9/30/2024                   | D5GHz V2 SN: 1138 (5.60 GHz) | 2/3/2025          | 20.0                         | 8.410            | 84.100              | 82.500     | 1.94%           | 2.420                         | 24.200              | 23.500     | 2.98%  | 38 |          |
|         |            |             |            | 5500                       | 37.03  | 35.65 | 3.88%            | 4.70   | 4.96  | -5.26% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5725                       | 36.63  | 35.39 | 3.50%            | 4.97   | 5.19  | -4.30% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 9/30/2024  | Head        | 5750       | 5750                       | 36.59  | 35.36 | 3.47%            | 4.99   | 5.21  | -4.37% | 9/30/2024                   | D5GHz V2 SN: 1138 (5.75 GHz) | 2/3/2025          | 20.0                         | 7.160            | 71.600              | 79.400     | -9.82%          | 2.090                         | 20.900              | 22.500     | -7.11% | 39 |          |
|         |            |             |            | 5700                       | 36.67  | 35.42 | 3.53%            | 4.94   | 5.16  | -4.39% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5850                       | 36.41  | 35.30 | 3.14%            | 5.10   | 5.32  | -4.10% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/4/2024  | Head        | 2450       | 2450                       | 42.12  | 39.30 | 7.18%            | 1.62   | 1.75  | -7.63% | 10/4/2024                   | D2450V2 SN: 706              | 1/20/2025         | 20.0                         | 5.070            | 50.700              | 52.300     | -3.06%          | 2.460                         | 24.600              | 24.500     | 0.41%  |    |          |
|         |            |             |            | 2500                       | 41.96  | 39.14 | 7.21%            | 1.69   | 1.85  | -8.74% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5200                       | 37.44  | 35.99 | 4.03%            | 4.35   | 4.65  | -6.47% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/4/2024  | Head        | 5200       | 5150                       | 37.62  | 36.05 | 4.36%            | 4.25   | 4.60  | -7.61% | 10/4/2024                   | D5GHz V2 SN: 1138 (5.25 GHz) | 2/3/2025          | 20.0                         | 8.090            | 80.900              | 80.400     | 0.62%           | 2.370                         | 23.700              | 23.000     | 3.04%  |    |          |
|         |            |             |            | 5350                       | 37.26  | 35.82 | 4.02%            | 4.46   | 4.80  | -7.17% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5250                       | 37.69  | 35.93 | 4.89%            | 4.28   | 4.70  | -9.06% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/8/2024  | Head        | 5250       | 5150                       | 37.85  | 36.05 | 5.00%            | 4.17   | 4.60  | -9.37% | 10/8/2024                   | D5GHz V2 SN: 1003 (5.25 GHz) | 2/22/2025         | 20.0                         | 7.930            | 79.300              | 80.300     | -1.25%          | 2.320                         | 23.200              | 22.900     | 1.31%  |    |          |
|         |            |             |            | 5350                       | 37.51  | 35.82 | 4.72%            | 4.39   | 4.80  | -8.71% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5600                       | 37.10  | 35.53 | 4.41%            | 4.66   | 5.06  | -7.91% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/8/2024  | Head        | 5600       | 5500                       | 37.28  | 35.65 | 4.58%            | 4.58   | 4.96  | -7.58% | 10/8/2024                   | D5GHz V2 SN: 1003 (5.60 GHz) | 2/22/2025         | 20.0                         | 8.700            | 87.000              | 83.000     | 4.82%           | 2.510                         | 25.100              | 23.700     | 5.91%  | 40 |          |
|         |            |             |            | 5725                       | 36.90  | 35.39 | 4.26%            | 4.81   | 5.19  | -7.25% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5750                       | 36.87  | 35.36 | 4.26%            | 4.83   | 5.21  | -7.30% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/8/2024  | Head        | 5750       | 5700                       | 36.93  | 35.42 | 4.26%            | 4.78   | 5.16  | -7.37% | 10/8/2024                   | D5GHz V2 SN: 1003 (5.75 GHz) | 2/22/2025         | 20.0                         | 7.780            | 77.800              | 79.300     | -1.89%          | 2.260                         | 22.600              | 22.400     | 0.89%  |    |          |
|         |            |             |            | 5850                       | 36.70  | 35.30 | 3.97%            | 4.95   | 5.32  | -6.97% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 2450                       | 40.94  | 39.20 | 4.44%            | 1.67   | 1.80  | -7.06% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/9/2024  | Head        | 2450       | 2400                       | 41.03  | 39.30 | 4.41%            | 1.64   | 1.75  | -6.60% | 10/9/2024                   | D2450V2 SN: 706              | 1/20/2025         | 20.0                         | 5.010            | 50.100              | 52.300     | -4.21%          | 2.430                         | 24.300              | 24.500     | -0.82% |    |          |
|         |            |             |            | 2500                       | 40.86  | 39.14 | 4.40%            | 1.71   | 1.85  | -7.82% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 2450                       | 41.77  | 39.20 | 6.56%            | 1.66   | 1.80  | -7.78% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/14/2024 | Head        | 2450       | 2400                       | 41.84  | 39.30 | 6.47%            | 1.62   | 1.75  | -7.40% | 10/14/2024                  | D2450V2 SN: 706              | 1/20/2025         | 20.0                         | 4.820            | 48.200              | 52.300     | -7.84%          | 2.340                         | 23.400              | 24.500     | -4.49% |    |          |
|         |            |             |            | 2500                       | 41.68  | 39.14 | 6.50%            | 1.70   | 1.85  | -8.31% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5250                       | 37.49  | 35.93 | 4.33%            | 4.40   | 4.70  | -6.43% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/14/2024 | Head        | 5250       | 5150                       | 37.66  | 36.05 | 4.47%            | 4.29   | 4.60  | -6.71% | 10/14/2024                  | D5GHz V2 SN: 1003 (5.25 GHz) | 2/22/2025         | 17.0                         | 3.880            | 77.416              | 80.300     | -3.59%          | 1.120                         | 22.347              | 22.900     | -2.42% |    |          |
|         |            |             |            | 5350                       | 37.30  | 35.82 | 4.13%            | 4.51   | 4.80  | -6.09% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5600                       | 36.90  | 35.53 | 3.84%            | 4.79   | 5.06  | -5.36% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/14/2024 | Head        | 5600       | 5500                       | 37.08  | 35.65 | 4.02%            | 4.67   | 4.96  | -5.79% | 10/14/2024                  | D5GHz V2 SN: 1003 (5.60 GHz) | 2/22/2025         | 17.0                         | 4.180            | 83.402              | 83.000     | 0.48%           | 1.190                         | 23.744              | 23.700     | 0.18%  |    |          |
|         |            |             |            | 5725                       | 36.68  | 35.39 | 3.64%            | 4.94   | 5.19  | -4.84% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5750                       | 36.64  | 35.36 | 3.61%            | 4.96   | 5.21  | -4.87% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/14/2024 | Head        | 5750       | 5700                       | 36.73  | 35.42 | 3.70%            | 4.91   | 5.16  | -4.87% | 10/14/2024                  | D5GHz V2 SN: 1003 (5.75 GHz) | 2/22/2025         | 17.0                         | 3.750            | 74.822              | 79.300     | -5.65%          | 1.070                         | 21.349              | 22.400     | -4.69% |    |          |
|         |            |             |            | 5850                       | 36.47  | 35.30 | 3.31%            | 5.07   | 5.32  | -4.62% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 2450                       | 41.61  | 39.20 | 6.15%            | 1.69   | 1.80  | -5.94% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/18/2024 | Head        | 2450       | 2400                       | 41.67  | 39.30 | 6.04%            | 1.65   | 1.75  | -5.63% | 10/18/2024                  | D2450V2 SN: 706              | 1/20/2025         | 20.0                         | 5.030            | 50.300              | 52.300     | -3.82%          | 2.420                         | 24.200              | 24.500     | -1.22% |    |          |
|         |            |             |            | 2500                       | 41.46  | 39.14 | 5.94%            | 1.74   | 1.85  | -6.42% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5250                       | 37.22  | 35.93 | 3.58%            | 4.52   | 4.70  | -3.87% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/18/2024 | Head        | 5250       | 5150                       | 37.40  | 36.05 | 3.75%            | 4.43   | 4.60  | -3.80% | 10/18/2024                  | D5GHz V2 SN: 1003 (5.25 GHz) | 2/22/2025         | 20.0                         | 7.780            | 77.800              | 80.300     | -3.11%          | 2.240                         | 22.400              | 22.900     | -2.18% |    |          |
|         |            |             |            | 5350                       | 36.99  | 35.82 | 3.27%            | 4.63   | 4.80  | -3.61% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5600                       | 36.39  | 35.53 | 2.41%            | 4.90   | 5.06  | -3.27% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/18/2024 | Head        | 5600       | 5500                       | 36.61  | 35.65 | 2.70%            | 4.77   | 4.96  | -3.71% | 10/18/2024                  | D5GHz V2 SN: 1003 (5.60 GHz) | 2/22/2025         | 20.0                         | 8.240            | 82.400              | 83.000     | -0.72%          | 2.350                         | 23.500              | 23.700     | -0.84% |    |          |
|         |            |             |            | 5725                       | 36.17  | 35.39 | 2.20%            | 5.04   | 5.19  | -2.82% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5750                       | 36.13  | 35.36 | 2.17%            | 5.06   | 5.21  | -2.91% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/18/2024 | Head        | 5750       | 5700                       | 36.20  | 35.42 | 2.20%            | 5.02   | 5.16  | -2.80% | 10/18/2024                  | D5GHz V2 SN: 1003 (5.75 GHz) | 2/22/2025         | 20.0                         | 7.490            | 74.900              | 79.300     | -5.55%          | 2.150                         | 21.500              | 22.400     | -4.02% |    |          |
|         |            |             |            | 5850                       | 35.94  | 35.30 | 1.81%            | 5.19   | 5.32  | -2.48% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 2450                       | 41.53  | 39.20 | 5.94%            | 1.67   | 1.80  | -7.44% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/22/2024 | Head        | 2450       | 2400                       | 41.64  | 39.30 | 5.96%            | 1.63   | 1.75  | -7.00% | 10/22/2024                  | D2450V2 SN: 706              | 1/20/2025         | 20.0                         | 4.870            | 48.700              | 52.300     | -6.88%          | 2.350                         | 23.500              | 24.500     | -4.08% |    |          |
|         |            |             |            | 2500                       | 41.44  | 39.14 | 5.88%            | 1.70   | 1.85  | -8.31% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5250                       | 36.87  | 35.93 | 2.61%            | 4.32   | 4.70  | -8.19% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/22/2024 | Head        | 5250       | 5150                       | 36.97  | 36.05 | 2.56%            | 4.20   | 4.60  | -8.61% | 10/22/2024                  | D5GHz V2 SN: 1003 (5.25 GHz) | 2/22/2025         | 20.0                         | 7.370            | 73.700              | 80.300     | -8.22%          | 2.130                         | 21.300              | 22.900     | -6.99% | 41 |          |
|         |            |             |            | 5350                       | 36.64  | 35.82 | 2.29%            | 4.42   | 4.80  | -8.00% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5600                       | 36.22  | 35.53 | 1.93%            | 4.69   | 5.06  | -7.32% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/22/2024 | Head        | 5600       | 5500                       | 36.39  | 35.65 | 2.08%            | 4.57   | 4.96  | -7.80% | 10/22/2024                  | D5GHz V2 SN: 1003 (5.60 GHz) | 2/22/2025         | 20.0                         | 7.950            | 79.500              | 83.000     | -4.22%          | 2.270                         | 22.700              | 23.700     | -4.22% |    |          |
|         |            |             |            | 5725                       | 36.03  | 35.39 | 1.80%            | 4.84   | 5.19  | -6.69% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 5750                       | 35.99  | 35.36 | 1.77%            | 4.86   | 5.21  | -6.77% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/22/2024 | Head        | 5750       | 5700                       | 36.06  | 35.42 | 1.81%            | 4.81   | 5.16  | -6.77% | 10/22/2024                  | D5GHz V2 SN: 1003 (5.75 GHz) | 2/22/2025         | 20.0                         | 7.410            | 74.100              | 79.300     | -6.56%          | 2.140                         | 21.400              | 22.400     | -4.46% | 42 |          |
|         |            |             |            | 5850                       | 35.80  | 35.30 | 1.42%            | 4.97   | 5.32  | -6.50% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 2450                       | 42.30  | 39.20 | 7.91%            | 1.64   | 1.80  | -8.83% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/28/2024 | Head        | 2450       | 2400                       | 42.39  | 39.30 | 7.87%            | 1.60   | 1.75  | -8.60% | 10/28/2024                  | D2450V2 SN: 706              | 1/20/2025         | 20.0                         | 4.720            | 47.200              | 52.300     | -9.75%          | 2.290                         | 22.900              | 24.500     | -6.53% | 43 |          |
|         |            |             |            | 2500                       | 42.22  | 39.14 | 7.88%            | 1.68   | 1.85  | -9.44% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 1900                       | 43.31  | 40.00 | 8.26%            | 1.29   | 1.40  | -7.57% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 10/29/2024 | Head        | 1900       | 1850                       | 43.38  | 40.00 | 8.45%            | 1.27   | 1.40  | -9.50% | 10/29/2024                  | D1900V2 SN: 5d163            | 10/18/2025        | 20.0                         | 3.900            | 39.000              | 39.700     | -1.76%          | 2.100                         | 21.000              | 20.800     | 0.96%  | 44 |          |
|         |            |             |            | 1920                       | 43.29  | 40.00 | 8.23%            | 1.31   | 1.40  | -6.71% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 1750                       | 41.82  | 40.08 | 4.33%            | 1.28   | 1.37  | -6.35% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 11/2/2024  | Head        | 1750       | 1695                       | 41.92  | 40.17 | 4.36%            | 1.26   | 1.34  | -6.20% | 11/2/2024                   | D1750V2 SN: 1050             | 4/19/2025         | 20.0                         | 3.550            | 35.500              | 36.100     | -1.66%          | 1.950                         | 19.500              | 18.900     | 3.17%  |    |          |
|         |            |             |            | 1780                       | 41.78  | 40.04 | 4.35%            | 1.30   | 1.39  | -6.49% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
|         |            |             |            | 1750                       | 42.78  | 40.08 | 6.72%            | 1.26   | 1.37  | -8.18% |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |
| SAR 15  | 11/5/2024  | Head        | 1750       | 1695                       | 42.85  | 4     |                  |        |       |        |                             |                              |                   |                              |                  |                     |            |                 |                               |                     |            |        |    |          |

| SAR Lab | Date       | Tissue Type | Band (MHz) | Liquid Check |                            |        |        |                  |        |        |            |                             | System Check         |                   |                              |                  |                     |            |                               |                  |                     |            |  | Plot No. |
|---------|------------|-------------|------------|--------------|----------------------------|--------|--------|------------------|--------|--------|------------|-----------------------------|----------------------|-------------------|------------------------------|------------------|---------------------|------------|-------------------------------|------------------|---------------------|------------|--|----------|
|         |            |             |            | Freq. (MHz)  | Relative Permittivity (εr) |        |        | Conductivity (σ) |        |        | Date       | Dipole Type & Serial Number | Dipole Cal. Due Date | Input Power (dBm) | Measured results for 1-g SAR |                  |                     |            | Measured results for 10-g SAR |                  |                     |            |  |          |
|         |            |             |            |              | Measured                   | Target | Delta  | Measured         | Target | Delta  |            |                             |                      |                   | Meas. Zoom Scan              | Normalize to 1 W | Target (Ref. Value) | Delta ±10% | Meas. Zoom Scan               | Normalize to 1 W | Target (Ref. Value) | Delta ±10% |  |          |
| SAR 17  | 9/25/2024  | Head        | 750        | 750          | 40.98                      | 41.96  | -2.34% | 0.88             | 0.89   | -1.02% | 9/25/2024  | D750V3 SN: 1019             | 4/13/2025            | 20.0              | 0.867                        | 8.670            | 8.510               | 1.88%      | 0.579                         | 5.790            | 5.590               | 3.58%      |  |          |
|         |            |             |            | 660          | 41.28                      | 42.42  | -2.69% | 0.85             | 0.89   | -3.83% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 800          | 40.79                      | 41.71  | -2.19% | 0.90             | 0.90   | 0.53%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 9/25/2024  | Head        | 835        | 835          | 40.65                      | 41.50  | -2.05% | 0.91             | 0.90   | 1.56%  | 9/25/2024  | D835V2 SN: 4d002            | 11/7/2024            | 20.0              | 1.050                        | 10.500           | 9.690               | 8.36%      | 0.692                         | 6.920            | 6.330               | 9.32%      |  |          |
|         |            |             |            | 805          | 40.77                      | 41.68  | -2.18% | 0.90             | 0.90   | 0.70%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 850          | 40.59                      | 41.50  | -2.19% | 0.92             | 0.92   | 0.38%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 9/30/2024  | Head        | 750        | 750          | 41.70                      | 41.96  | -0.62% | 0.92             | 0.89   | 3.40%  | 9/30/2024  | D750V3 SN: 1019             | 4/13/2025            | 20.0              | 0.867                        | 8.670            | 8.510               | 1.88%      | 0.573                         | 5.730            | 5.590               | 2.50%      |  |          |
|         |            |             |            | 660          | 42.07                      | 42.42  | -0.83% | 0.89             | 0.89   | 0.38%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 800          | 41.47                      | 41.71  | -0.56% | 0.94             | 0.90   | 5.09%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 9/30/2024  | Head        | 835        | 835          | 41.42                      | 41.50  | -0.19% | 0.96             | 0.90   | 6.17%  | 9/30/2024  | D835V2 SN: 4d002            | 11/7/2024            | 20.0              | 1.050                        | 10.500           | 9.690               | 8.36%      | 0.689                         | 6.890            | 6.330               | 8.85%      |  |          |
|         |            |             |            | 805          | 41.46                      | 41.68  | -0.53% | 0.94             | 0.90   | 5.27%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 850          | 41.36                      | 41.50  | -0.34% | 0.96             | 0.92   | 5.02%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 10/4/2024  | Head        | 750        | 750          | 40.52                      | 41.96  | -3.44% | 0.90             | 0.89   | 1.04%  | 10/4/2024  | D750V3 SN: 1019             | 4/13/2025            | 20.0              | 0.855                        | 8.550            | 8.510               | 0.47%      | 0.568                         | 5.680            | 5.590               | 1.61%      |  |          |
|         |            |             |            | 660          | 40.82                      | 42.42  | -3.78% | 0.87             | 0.89   | -1.53% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 800          | 40.36                      | 41.71  | -3.23% | 0.92             | 0.90   | 2.47%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 10/4/2024  | Head        | 835        | 835          | 40.27                      | 41.50  | -2.96% | 0.93             | 0.90   | 3.38%  | 10/4/2024  | D835V2 SN: 4d002            | 11/6/2025            | 20.0              | 1.050                        | 10.500           | 9.690               | 8.36%      | 0.691                         | 6.910            | 6.330               | 9.16%      |  |          |
|         |            |             |            | 805          | 40.35                      | 41.68  | -3.19% | 0.92             | 0.90   | 2.62%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 850          | 40.22                      | 41.50  | -3.08% | 0.94             | 0.92   | 2.21%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 10/8/2024  | Head        | 750        | 750          | 42.85                      | 41.96  | 2.12%  | 0.93             | 0.89   | 4.46%  | 10/8/2024  | D750V3 SN: 1019             | 4/13/2025            | 20.0              | 0.889                        | 8.890            | 8.510               | 4.47%      | 0.589                         | 5.890            | 5.590               | 5.37%      |  |          |
|         |            |             |            | 660          | 42.76                      | 42.42  | 0.79%  | 0.90             | 0.89   | 1.19%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 800          | 42.04                      | 41.71  | 0.80%  | 0.95             | 0.90   | 6.04%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 10/8/2024  | Head        | 835        | 835          | 42.36                      | 41.50  | 2.07%  | 0.97             | 0.90   | 7.32%  | 10/8/2024  | D835V2 SN: 4d002            | 11/6/2025            | 20.0              | 0.978                        | 9.780            | 9.690               | 0.93%      | 0.644                         | 6.440            | 6.330               | 1.74%      |  |          |
|         |            |             |            | 805          | 42.07                      | 41.68  | 0.94%  | 0.95             | 0.90   | 6.28%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 850          | 42.34                      | 41.50  | 2.02%  | 0.97             | 0.92   | 5.90%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 10/14/2024 | Head        | 750        | 750          | 40.30                      | 41.96  | -3.96% | 0.89             | 0.89   | -0.52% | 10/14/2024 | D750V3 SN: 1019             | 4/13/2025            | 20.0              | 0.867                        | 8.670            | 8.510               | 1.88%      | 0.576                         | 5.760            | 5.590               | 3.04%      |  |          |
|         |            |             |            | 660          | 40.63                      | 42.42  | -4.23% | 0.86             | 0.89   | -3.40% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 800          | 40.09                      | 41.71  | -3.87% | 0.91             | 0.90   | 1.02%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 10/14/2024 | Head        | 835        | 835          | 40.00                      | 41.50  | -3.61% | 0.92             | 0.90   | 2.02%  | 10/14/2024 | D835V2 SN: 4d002            | 11/6/2025            | 20.0              | 0.987                        | 9.870            | 9.690               | 1.86%      | 0.649                         | 6.490            | 6.330               | 2.53%      |  |          |
|         |            |             |            | 805          | 40.09                      | 41.68  | -3.81% | 0.91             | 0.90   | 1.18%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 850          | 39.94                      | 41.50  | -3.76% | 0.92             | 0.92   | 0.00%  |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 10/18/2024 | Head        | 750        | 750          | 41.70                      | 41.96  | -0.62% | 0.86             | 0.89   | -4.04% | 10/18/2024 | D750V3 SN: 1019             | 4/13/2025            | 20.0              | 0.870                        | 8.700            | 8.510               | 2.23%      | 0.586                         | 5.860            | 5.590               | 4.83%      |  |          |
|         |            |             |            | 660          | 42.06                      | 42.42  | -0.86% | 0.82             | 0.89   | -7.08% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 800          | 41.50                      | 41.71  | -0.49% | 0.87             | 0.90   | -2.50% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 10/18/2024 | Head        | 835        | 835          | 41.43                      | 41.50  | -0.17% | 0.89             | 0.90   | -1.52% | 10/18/2024 | D835V2 SN: 4d002            | 11/6/2025            | 20.0              | 1.030                        | 10.300           | 9.690               | 6.30%      | 0.688                         | 6.880            | 6.330               | 8.69%      |  |          |
|         |            |             |            | 805          | 41.49                      | 41.68  | -0.45% | 0.88             | 0.90   | -2.36% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 850          | 41.39                      | 41.50  | -0.27% | 0.89             | 0.92   | -2.54% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 10/22/2024 | Head        | 750        | 750          | 39.80                      | 41.96  | -5.15% | 0.86             | 0.89   | -3.95% | 10/22/2024 | D750V3 SN: 1019             | 4/13/2025            | 20.0              | 0.862                        | 8.620            | 8.510               | 1.29%      | 0.576                         | 5.760            | 5.590               | 3.04%      |  |          |
|         |            |             |            | 660          | 40.13                      | 42.42  | -5.41% | 0.83             | 0.89   | -6.70% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 800          | 39.62                      | 41.71  | -5.00% | 0.88             | 0.90   | -2.43% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 10/22/2024 | Head        | 835        | 835          | 39.53                      | 41.50  | -4.75% | 0.89             | 0.90   | -1.41% | 10/22/2024 | D835V2 SN: 4d002            | 11/6/2025            | 20.0              | 1.030                        | 10.300           | 9.690               | 6.30%      | 0.684                         | 6.840            | 6.330               | 8.06%      |  |          |
|         |            |             |            | 805          | 39.61                      | 41.68  | -4.97% | 0.88             | 0.90   | -2.27% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 850          | 39.47                      | 41.50  | -4.89% | 0.89             | 0.92   | -2.47% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 10/23/2024 | Head        | 2600       | 2600         | 37.71                      | 39.01  | -3.33% | 1.88             | 1.96   | -3.98% | 10/23/2024 | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.540                        | 55.400           | 55.400              | 0.00%      | 2.530                         | 25.300           | 24.900              | 1.61%      |  |          |
|         |            |             |            | 2495         | 37.86                      | 39.14  | -3.28% | 1.80             | 1.85   | -2.52% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 2690         | 37.56                      | 38.90  | -3.44% | 1.96             | 2.06   | -4.83% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 10/28/2024 | Head        | 750        | 750          | 38.63                      | 41.96  | -7.94% | 0.85             | 0.89   | -4.90% | 10/28/2024 | D750V3 SN: 1019             | 4/13/2025            | 20.0              | 0.817                        | 8.170            | 8.510               | -4.00%     | 0.543                         | 5.430            | 5.590               | -2.86%     |  |          |
|         |            |             |            | 660          | 38.97                      | 42.42  | -8.14% | 0.82             | 0.89   | -7.41% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 800          | 38.50                      | 41.71  | -7.69% | 0.87             | 0.90   | -3.55% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 10/28/2024 | Head        | 835        | 835          | 38.47                      | 41.50  | -7.30% | 0.88             | 0.90   | -2.43% | 10/28/2024 | D835V2 SN: 4d002            | 11/6/2025            | 20.0              | 1.020                        | 10.200           | 9.690               | 5.26%      | 0.671                         | 6.710            | 6.330               | 6.00%      |  |          |
|         |            |             |            | 805          | 38.50                      | 41.68  | -7.63% | 0.87             | 0.90   | -3.38% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 850          | 38.41                      | 41.50  | -7.45% | 0.88             | 0.92   | -3.50% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 10/28/2024 | Head        | 2600       | 2600         | 35.57                      | 39.01  | -8.82% | 1.80             | 1.96   | -8.16% | 10/28/2024 | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.400                        | 54.000           | 55.400              | -2.53%     | 2.470                         | 24.700           | 24.900              | -0.80%     |  |          |
|         |            |             |            | 2495         | 35.76                      | 39.14  | -8.64% | 1.72             | 1.85   | -6.80% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 2690         | 35.42                      | 38.90  | -8.94% | 1.87             | 2.06   | -9.35% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 11/1/2024  | Head        | 2600       | 2600         | 36.36                      | 39.01  | -6.80% | 1.87             | 1.96   | -4.90% | 11/1/2024  | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.680                        | 56.800           | 55.400              | 2.53%      | 2.590                         | 25.900           | 24.900              | 4.02%      |  |          |
|         |            |             |            | 2495         | 36.53                      | 39.14  | -6.68% | 1.78             | 1.85   | -3.55% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 2690         | 36.21                      | 38.90  | -6.91% | 1.94             | 2.06   | -5.90% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 11/5/2024  | Head        | 2600       | 2600         | 40.11                      | 39.01  | 2.82%  | 1.91             | 1.96   | -2.45% | 11/5/2024  | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.860                        | 58.600           | 55.400              | 5.78%      | 2.680                         | 26.800           | 24.900              | 7.63%      |  |          |
|         |            |             |            | 2495         | 40.29                      | 39.14  | 2.93%  | 1.82             | 1.85   | -1.39% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 2690         | 39.94                      | 38.90  | 2.68%  | 1.99             | 2.06   | -3.42% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 11/7/2024  | Head        | 750        | 750          | 38.96                      | 41.96  | -7.15% | 0.85             | 0.89   | -5.05% | 11/7/2024  | D750V3 SN: 1019             | 4/13/2025            | 20.0              | 0.791                        | 7.910            | 8.510               | -7.05%     | 0.531                         | 5.310            | 5.590               | -5.01%     |  |          |
|         |            |             |            | 660          | 39.31                      | 42.42  | -7.34% | 0.82             | 0.89   | -7.79% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 800          | 38.79                      | 41.71  | -6.99% | 0.86             | 0.90   | -3.57% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 11/13/2024 | Head        | 750        | 750          | 39.42                      | 41.96  | -6.06% | 0.87             | 0.89   | -2.58% | 11/13/2024 | D750V3 SN: 1071             | 11/6/2025            | 20.0              | 0.857                        | 8.570            | 8.490               | 0.94%      | 0.572                         | 5.720            | 5.570               | 2.69%      |  |          |
|         |            |             |            | 660          | 39.71                      | 42.42  | -6.40% | 0.84             | 0.89   | -5.21% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 800          | 39.26                      | 41.71  | -5.86% | 0.89             | 0.90   | -0.77% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 11/13/2024 | Head        | 835        | 835          | 39.12                      | 41.50  | -5.73% | 0.90             | 0.90   | 0.00%  | 11/13/2024 | D835V2 SN: 4d002            | 11/6/2025            | 20.0              | 1.050                        | 10.500           | 9.690               | 8.36%      | 0.693                         | 6.930            | 6.330               | 9.48%      |  |          |
|         |            |             |            | 805          | 39.23                      | 41.68  | -5.88% | 0.89             | 0.90   | -0.81% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 850          | 39.09                      | 41.50  | -5.81% | 0.90             | 0.92   | -1.64% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 11/14/2024 | Head        | 2600       | 2600         | 36.88                      | 39.01  | -5.46% | 1.82             | 1.96   | -7.30% | 11/14/2024 | D2600V2 SN: 1036            | 4/11/2025            | 20.0              | 5.280                        | 52.800           | 55.400              | -4.69%     | 2.430                         | 24.300           | 24.900              | -2.41%     |  |          |
|         |            |             |            | 2495         | 37.00                      | 39.14  | -5.48% | 1.73             | 1.85   | -6.42% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 2690         | 36.76                      | 38.90  | -5.49% | 1.90             | 2.06   | -7.94% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 11/20/2024 | Head        | 835        | 835          | 42.06                      | 41.50  | 1.35%  | 0.88             | 0.90   | -2.10% | 11/20/2024 | D835V2 SN: 4d002            | 11/6/2025            | 20.0              | 1.020                        | 10.200           | 9.690               | 5.26%      | 0.680                         | 6.800            | 6.330               | 7.42%      |  |          |
|         |            |             |            | 805          | 41.95                      | 41.68  | 0.65%  | 0.87             | 0.90   | -3.18% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
|         |            |             |            | 850          | 41.90                      | 41.50  | 0.96%  | 0.89             | 0.92   | -3.16% |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |
| SAR 17  | 12/5/2024  | Head        |            |              |                            |        |        |                  |        |        |            |                             |                      |                   |                              |                  |                     |            |                               |                  |                     |            |  |          |

## 9. Conducted Output Power Measurements

The test samples provided in this project are representative of the units that will be sold.

The device supports two power modes for both standalone and simultaneous, Mode A (OBD:0) and Mode B (OBD:1). Mode A power is used when the device is used against the user's head. Mode B power is used when the device is used in a Body-worn/Hotspot/Extremity configuration by the user. Power was measured in accordance with the device's two power modes for standalone for each antenna. Power was not measured for simultaneous. However, measured power from standalone will be used for simultaneous in the calculation of reported SAR for simultaneous in §10.

Cellular static SAR assessment will be performed according to published FCC guidance at the cellular standalone power level. Conducted power measurements and SAR measurements will not be performed at the simultaneous (PCell<sub>on</sub>\_Wi-Fi<sub>on</sub>) power level. Reported SAR from the cellular standalone assessment will be scaled down to the declared cellular simultaneous maximum output power. Algebraic simultaneous evaluation will be performed using the cellular simultaneous scaled results.

For WWAN conducted output power, there are 4 different power states:

- Power State 1 (standalone power level): CELL<sub>ON</sub> | Wi-Fi<sub>OFF</sub> - Mode A (OBD:0 as defined in Section 6)
- Power State 1 (standalone power level): CELL<sub>ON</sub> | Wi-Fi<sub>OFF</sub> - Mode B (OBD:1 as defined in Section 6)
- Power State 2 (simultaneous power level): CELL<sub>ON</sub> | Wi-Fi<sub>ON</sub> - Mode A (OBD:0 as defined in Section 6)
- Power State 2 (simultaneous power level): CELL<sub>ON</sub> | Wi-Fi<sub>ON</sub> - Mode B (OBD:1 as defined in Section 6)

For 2.4/5 GHz bands, there are 4 different power states:

- Power State 1 (CELL<sub>OFF</sub> | Wi-Fi<sub>ON</sub>) - Mode A (OBD:0 as defined in Section 6)
- Power State 1 (CELL<sub>OFF</sub> | Wi-Fi<sub>ON</sub>) - Mode B (OBD:1 as defined in Section 6)
- Power State 2 (CELL<sub>ON</sub> | Wi-Fi<sub>ON</sub>) - Mode A (OBD:0 as defined in Section 6)
- Power State 2 (CELL<sub>ON</sub> | Wi-Fi<sub>ON</sub>) - Mode B (OBD:1 as defined in Section 6)

For Bluetooth, there are 3 use cases:

- Bluetooth P<sub>low</sub> is used when both Wi-Fi and WWAN antennas are active.
- Bluetooth P<sub>high</sub> is used when Wi-Fi antenna is active and WWAN antenna is inactive or with Wi-Fi inactive and WWAN antenna is active. P<sub>High</sub> power state occurs during WWAN Power State 1 and Wi-Fi Power State 1.
- Bluetooth P<sub>standalone</sub> is used when Wi-Fi and WWAN antennas are inactive.

The selection between antennas in the application is based on RSSI based antenna selection. The full details of power selections are described in the operational description. Refer to Sec. 7 and Sec. 10 for details of the testing. Test reductions have applied accordingly following the SAR KDB Procedure for the supported wireless technologies of the DUT. This is noted in detail for each technology in their respective Sections.

The Maximum Output Power already includes component uncertainty. KDB 447498 sec.4.1.(d) at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.

Additionally, two different powers are being displayed in this section:

- Target Output Power/P<sub>Limit, nom</sub> = Power not including uncertainty
- Maximum Output Power/Max Power/P<sub>Limit</sub> = Power of target + uncertainty.



## 9.1. GSM

### Per KDB 941225 D01 3G SAR Procedures:

SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.

When different maximum output power applies to GSM voice or GPRS/EDGE time slots, GSM voice and GPRS/EDGE time slots should be tested separately to determine compliance by summing the corresponding reported SAR.

The GSMK EDGE configurations are grouped with GPRS and considered with respect to time-averaged maximum output power to determine compliance

### Per October 2013 TCB Workshop:

When the maximum frame-averaged powers levels are within 0.25 dB of each other, test the configuration with the greatest number of time slots.

SAR is not required for EDGE (8PSK) Mode B because the maximum output power is  $\leq 1/4$ dB higher than GPRS/EDGE (GMSK) or the adjusted SAR of the highest reported SAR of GPRS/EDGE (GMSK) is  $\leq 1.2$ W/kg.

### Maximum Output Power for GSM

| RF Air interface | Mode                | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|------------------|---------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|
|                  |                     | ANT1                       |        | ANT2   |        | ANT3   |        | ANT4   |        |
|                  |                     | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| GSM850           | Voice/GPRS (1 slot) | 33.5                       | 33.5   | 32.5   | 32.5   |        |        |        |        |
|                  | GPRS 2 slots        | 32.5                       | 32.5   | 29.5   | 31.5   |        |        |        |        |
|                  | EGPRS 1 slot        | 28.0                       | 28.0   | 27.0   | 27.0   |        |        |        |        |
|                  | EGPRS 2 slots       | 27.0                       | 27.0   | 26.0   | 26.0   |        |        |        |        |
| GSM1900          | Voice/GPRS (1 slot) | 32.0                       | 28.7   | 29.5   | 29.5   | 31.5   | 30.8   | 28.0   | 28.0   |
|                  | GPRS 2 slots        | 31.0                       | 25.7   | 27.0   | 27.3   | 30.5   | 27.8   | 25.8   | 27.7   |
|                  | EGPRS 1 slot        | 27.0                       | 27.0   | 24.5   | 24.5   | 26.5   | 26.5   | 24.0   | 24.0   |
|                  | EGPRS 2 slots       | 26.0                       | 25.7   | 23.5   | 23.5   | 25.5   | 25.5   | 23.0   | 23.0   |

### Simultaneous Maximum Output Power for GSM

| RF Air interface | Mode                | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|------------------|---------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|
|                  |                     | ANT1                       |        | ANT2   |        | ANT3   |        | ANT4   |        |
|                  |                     | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| GSM850           | Voice/GPRS (1 slot) | 33.5                       | 33.5   | 31.7   | 32.5   |        |        |        |        |
|                  | GPRS 2 slots        | 32.5                       | 32.5   | 28.7   | 31.5   |        |        |        |        |
|                  | EGPRS 1 slot        | 28.0                       | 28.0   | 27.0   | 27.0   |        |        |        |        |
|                  | EGPRS 2 slots       | 27.0                       | 27.0   | 26.0   | 26.0   |        |        |        |        |
| GSM1900          | Voice/GPRS (1 slot) | 32.0                       | 27.9   | 29.5   | 29.5   | 31.5   | 30.0   | 28.0   | 28.0   |
|                  | GPRS 2 slots        | 31.0                       | 24.9   | 26.2   | 26.5   | 30.5   | 27.0   | 25.0   | 26.9   |
|                  | EGPRS 1 slot        | 27.0                       | 27.0   | 24.5   | 24.5   | 26.5   | 26.5   | 24.0   | 24.0   |
|                  | EGPRS 2 slots       | 26.0                       | 24.9   | 23.5   | 23.5   | 25.5   | 25.5   | 23.0   | 23.0   |

**GSM850 Measured Results (ANT1, Power State 1)**

| Mode             | Coding Scheme | Time Slots | Ch No. | Freq. (MHz) | Mode A Power (dBm) |           |           |           | Mode B Power (dBm) |           |           |           |
|------------------|---------------|------------|--------|-------------|--------------------|-----------|-----------|-----------|--------------------|-----------|-----------|-----------|
|                  |               |            |        |             | Measured           |           | Max Power |           | Measured           |           | Max Power |           |
|                  |               |            |        |             | Burst Pwr          | Frame Pwr | Burst Pwr | Frame Pwr | Burst Pwr          | Frame Pwr | Burst Pwr | Frame Pwr |
| GPRS/EDGE (GMSK) | CS1           | 1          | 128    | 824.2       | 32.2               | 23.2      | 33.5      | 24.5      | 32.2               | 23.2      | 33.5      | 24.5      |
|                  |               |            | 190    | 836.6       | 32.4               | 23.4      |           |           | 32.4               | 23.4      |           |           |
|                  |               |            | 251    | 848.8       | 32.3               | 23.3      |           |           | 32.3               | 23.3      |           |           |
|                  |               | 2          | 128    | 824.2       | 31.3               | 25.3      | 32.5      | 26.5      | 31.3               | 25.3      | 32.5      | 26.5      |
|                  |               |            | 190    | 836.6       | 31.6               | 25.6      |           |           | 31.6               | 25.6      |           |           |
|                  |               |            | 251    | 848.8       | 31.4               | 25.4      |           |           | 31.4               | 25.4      |           |           |
| EDGE (8PSK)      | MCS5          | 1          | 128    | 824.2       | 27.6               | 18.6      | 28.0      | 19.0      | 27.6               | 18.6      | 28.0      | 19.0      |
|                  |               |            | 190    | 836.6       | 27.6               | 18.6      |           |           | 27.6               | 18.6      |           |           |
|                  |               |            | 251    | 848.8       | 27.5               | 18.5      |           |           | 27.5               | 18.5      |           |           |
|                  |               | 2          | 128    | 824.2       | 26.6               | 20.6      | 27.0      | 21.0      | 26.6               | 20.6      | 27.0      | 21.0      |
|                  |               |            | 190    | 836.6       | 26.6               | 20.6      |           |           | 26.6               | 20.6      |           |           |
|                  |               |            | 251    | 848.8       | 26.5               | 20.5      |           |           | 26.5               | 20.5      |           |           |

**Notes:**

Based on the Maximum Output Power, GPRS/EDGE (GMSK) mode with 2 time slots for Mode A and Mode B have maximum frame-averaged power.

**GSM850 Measured Results (ANT2, Power State 1)**

| Mode             | Coding Scheme | Time Slots | Ch No. | Freq. (MHz) | Mode A Power (dBm) |           |           |           | Mode B Power (dBm) |           |           |           |
|------------------|---------------|------------|--------|-------------|--------------------|-----------|-----------|-----------|--------------------|-----------|-----------|-----------|
|                  |               |            |        |             | Measured           |           | Max Power |           | Measured           |           | Max Power |           |
|                  |               |            |        |             | Burst Pwr          | Frame Pwr | Burst Pwr | Frame Pwr | Burst Pwr          | Frame Pwr | Burst Pwr | Frame Pwr |
| GPRS/EDGE (GMSK) | CS1           | 1          | 128    | 824.2       | 30.6               | 21.5      | 32.5      | 23.5      | 31.7               | 22.7      | 32.5      | 23.5      |
|                  |               |            | 190    | 836.6       | 30.5               | 21.5      |           |           | 31.6               | 22.6      |           |           |
|                  |               |            | 251    | 848.8       | 30.5               | 21.5      |           |           | 31.6               | 22.6      |           |           |
|                  |               | 2          | 128    | 824.2       | 28.7               | 22.7      | 29.5      | 23.5      | 30.7               | 24.7      | 31.5      | 25.5      |
|                  |               |            | 190    | 836.6       | 28.6               | 22.6      |           |           | 30.6               | 24.6      |           |           |
|                  |               |            | 251    | 848.8       | 28.7               | 22.7      |           |           | 30.5               | 24.5      |           |           |
| EDGE (8PSK)      | MCS5          | 1          | 128    | 824.2       | 26.4               | 17.4      | 27.0      | 18.0      | 26.4               | 17.4      | 27.0      | 18.0      |
|                  |               |            | 190    | 836.6       | 26.4               | 17.4      |           |           | 26.4               | 17.4      |           |           |
|                  |               |            | 251    | 848.8       | 26.3               | 17.3      |           |           | 26.3               | 17.3      |           |           |
|                  |               | 2          | 128    | 824.2       | 25.5               | 19.5      | 26.0      | 20.0      | 25.5               | 19.5      | 26.0      | 20.0      |
|                  |               |            | 190    | 836.6       | 25.5               | 19.4      |           |           | 25.5               | 19.4      |           |           |
|                  |               |            | 251    | 848.8       | 25.4               | 19.4      |           |           | 25.4               | 19.4      |           |           |

**Notes:**

Based on the Maximum Output Power, GPRS/EDGE (GMSK) mode with 2 time slots for Mode A and Mode B have maximum frame-averaged power.

**GSM1900 Measured Results (ANT1, Power State 1)**

| Mode             | Coding Scheme | Time Slots | Ch No. | Freq. (MHz) | Mode A Power (dBm) |           |           |           | Mode B Power (dBm) |           |           |           |
|------------------|---------------|------------|--------|-------------|--------------------|-----------|-----------|-----------|--------------------|-----------|-----------|-----------|
|                  |               |            |        |             | Measured           |           | Max Power |           | Measured           |           | Max Power |           |
|                  |               |            |        |             | Burst Pwr          | Frame Pwr | Burst Pwr | Frame Pwr | Burst Pwr          | Frame Pwr | Burst Pwr | Frame Pwr |
| GPRS/EDGE (GMSK) | CS1           | 1          | 512    | 1850.2      | 31.4               | 22.4      | 32.0      | 23.0      | 27.1               | 18.1      | 28.7      | 19.7      |
|                  |               |            | 661    | 1880.0      | 31.3               | 22.3      |           |           | 27.1               | 18.1      |           |           |
|                  |               |            | 810    | 1909.8      | 31.0               | 22.0      |           |           | 27.0               | 18.0      |           |           |
|                  |               | 2          | 512    | 1850.2      | 30.3               | 21.3      | 31.0      | 25.0      | 24.7               | 15.7      | 25.7      | 19.7      |
|                  |               |            | 661    | 1880.0      | 30.4               | 21.4      |           |           | 24.7               | 15.7      |           |           |
|                  |               |            | 810    | 1909.8      | 30.2               | 21.2      |           |           | 24.5               | 15.5      |           |           |
| EDGE (8PSK)      | MCS5          | 1          | 512    | 1850.2      | 26.5               | 17.5      | 27.0      | 18.0      | 26.9               | 17.9      | 27.0      | 18.0      |
|                  |               |            | 661    | 1880.0      | 26.3               | 17.3      |           |           | 26.7               | 17.6      |           |           |
|                  |               |            | 810    | 1909.8      | 26.3               | 17.2      |           |           | 26.6               | 17.6      |           |           |
|                  |               | 2          | 512    | 1850.2      | 25.6               | 19.5      | 26.0      | 20.0      | 24.6               | 18.6      | 25.7      | 19.7      |
|                  |               |            | 661    | 1880.0      | 25.4               | 19.3      |           |           | 24.6               | 18.6      |           |           |
|                  |               |            | 810    | 1909.8      | 25.3               | 19.2      |           |           | 24.5               | 18.5      |           |           |

**Notes:**

Based on the Maximum Output Power, GPRS/EDGE (GMSK) mode with 2 time slots for Mode A and Mode B have maximum frame-averaged power.

**GSM1900 Measured Results (ANT2, Power State 1)**

| Mode             | Coding Scheme | Time Slots | Ch No. | Freq. (MHz) | Mode A Power (dBm) |           |           |           | Mode B Power (dBm) |           |           |           |
|------------------|---------------|------------|--------|-------------|--------------------|-----------|-----------|-----------|--------------------|-----------|-----------|-----------|
|                  |               |            |        |             | Measured           |           | Max Power |           | Measured           |           | Max Power |           |
|                  |               |            |        |             | Burst Pwr          | Frame Pwr | Burst Pwr | Frame Pwr | Burst Pwr          | Frame Pwr | Burst Pwr | Frame Pwr |
| GPRS/EDGE (GMSK) | CS1           | 1          | 512    | 1850.2      | 28.8               | 19.7      | 29.5      | 20.5      | 29.1               | 20.1      | 29.5      | 20.5      |
|                  |               |            | 661    | 1880.0      | 28.8               | 19.7      |           |           | 29.1               | 20.0      |           |           |
|                  |               |            | 810    | 1909.8      | 28.7               | 19.7      |           |           | 29.0               | 20.0      |           |           |
|                  |               | 2          | 512    | 1850.2      | 25.9               | 19.9      | 27.0      | 21.0      | 26.3               | 20.3      | 27.3      | 21.3      |
|                  |               |            | 661    | 1880.0      | 25.8               | 19.8      |           |           | 26.1               | 20.1      |           |           |
|                  |               |            | 810    | 1909.8      | 25.8               | 19.8      |           |           | 26.1               | 20.1      |           |           |
| EDGE (8PSK)      | MCS5          | 1          | 512    | 1850.2      | 23.7               | 14.7      | 24.5      | 15.5      | 23.7               | 14.7      | 24.5      | 15.5      |
|                  |               |            | 661    | 1880.0      | 23.7               | 14.6      |           |           | 23.7               | 14.6      |           |           |
|                  |               |            | 810    | 1909.8      | 23.6               | 14.6      |           |           | 23.6               | 14.6      |           |           |
|                  |               | 2          | 512    | 1850.2      | 22.7               | 16.7      | 23.5      | 17.5      | 22.7               | 16.7      | 23.5      | 17.5      |
|                  |               |            | 661    | 1880.0      | 22.6               | 16.6      |           |           | 22.6               | 16.6      |           |           |
|                  |               |            | 810    | 1909.8      | 22.6               | 16.6      |           |           | 22.6               | 16.6      |           |           |

**Notes:**

Based on the Maximum Output Power, GPRS/EDGE (GMSK) mode with 2 time slots for Mode A and Mode B have maximum frame-averaged power.

**GSM1900 Measured Results (ANT3, Power State 1)**

| Mode             | Coding Scheme | Time Slots | Ch No. | Freq. (MHz) | Mode A Power (dBm) |           |           |           | Mode B Power (dBm) |           |           |           |
|------------------|---------------|------------|--------|-------------|--------------------|-----------|-----------|-----------|--------------------|-----------|-----------|-----------|
|                  |               |            |        |             | Measured           |           | Max Power |           | Measured           |           | Max Power |           |
|                  |               |            |        |             | Burst Pwr          | Frame Pwr | Burst Pwr | Frame Pwr | Burst Pwr          | Frame Pwr | Burst Pwr | Frame Pwr |
| GPRS/EDGE (GMSK) | CS1           | 1          | 512    | 1850.2      | 30.8               | 21.8      | 31.5      | 22.5      | 29.3               | 20.2      | 30.8      | 21.8      |
|                  |               |            | 661    | 1880.0      | 30.8               | 21.8      |           |           | 29.3               | 20.3      |           |           |
|                  |               |            | 810    | 1909.8      | 30.6               | 21.6      |           |           | 29.2               | 20.2      |           |           |
|                  |               | 2          | 512    | 1850.2      | 29.9               | 20.9      | 30.5      | 24.5      | 27.2               | 18.2      | 27.8      | 21.8      |
|                  |               |            | 661    | 1880.0      | 29.9               | 20.9      |           |           | 27.3               | 18.3      |           |           |
|                  |               |            | 810    | 1909.8      | 29.7               | 20.7      |           |           | 27.1               | 18.1      |           |           |
| EDGE (8PSK)      | MCS5          | 1          | 512    | 1850.2      | 25.7               | 16.7      | 26.5      | 17.5      | 25.7               | 16.7      | 26.5      | 17.5      |
|                  |               |            | 661    | 1880.0      | 25.7               | 16.7      |           |           | 25.7               | 16.7      |           |           |
|                  |               |            | 810    | 1909.8      | 25.6               | 16.6      |           |           | 25.6               | 16.6      |           |           |
|                  |               | 2          | 512    | 1850.2      | 24.8               | 18.8      | 25.5      | 19.5      | 24.8               | 18.8      | 25.5      | 19.5      |
|                  |               |            | 661    | 1880.0      | 24.8               | 18.8      |           |           | 24.8               | 18.8      |           |           |
|                  |               |            | 810    | 1909.8      | 24.7               | 18.7      |           |           | 24.7               | 18.7      |           |           |

**Notes:**

Based on the Maximum Output Power, GPRS/EDGE (GMSK) mode with 2 time slots for Mode A and Mode B have maximum frame-averaged power.

**GSM1900 Measured Results (ANT4, Power State 1)**

| Mode             | Coding Scheme | Time Slots | Ch No. | Freq. (MHz) | Mode A Power (dBm) |           |           |           | Mode B Power (dBm) |           |           |           |
|------------------|---------------|------------|--------|-------------|--------------------|-----------|-----------|-----------|--------------------|-----------|-----------|-----------|
|                  |               |            |        |             | Measured           |           | Max Power |           | Measured           |           | Max Power |           |
|                  |               |            |        |             | Burst Pwr          | Frame Pwr | Burst Pwr | Frame Pwr | Burst Pwr          | Frame Pwr | Burst Pwr | Frame Pwr |
| GPRS/EDGE (GMSK) | CS1           | 1          | 512    | 1850.2      | 27.4               | 18.3      | 28.8      | 19.8      | 28.7               | 19.7      | 28.8      | 19.8      |
|                  |               |            | 661    | 1880.0      | 27.4               | 18.3      |           |           | 28.7               | 19.7      |           |           |
|                  |               |            | 810    | 1909.8      | 27.4               | 18.3      |           |           | 28.7               | 19.7      |           |           |
|                  |               | 2          | 512    | 1850.2      | 25.0               | 19.0      | 25.8      | 19.8      | 26.4               | 20.4      | 27.7      | 21.7      |
|                  |               |            | 661    | 1880.0      | 25.0               | 18.9      |           |           | 26.3               | 20.3      |           |           |
|                  |               |            | 810    | 1909.8      | 24.9               | 18.9      |           |           | 26.2               | 20.2      |           |           |
| EDGE (8PSK)      | MCS5          | 1          | 512    | 1850.2      | 22.7               | 13.7      | 24.0      | 15.0      | 22.7               | 13.7      | 24.0      | 15.0      |
|                  |               |            | 661    | 1880.0      | 22.7               | 13.6      |           |           | 22.7               | 13.6      |           |           |
|                  |               |            | 810    | 1909.8      | 22.6               | 13.6      |           |           | 22.6               | 13.6      |           |           |
|                  |               | 2          | 512    | 1850.2      | 22.3               | 16.2      | 23.0      | 17.0      | 22.3               | 16.2      | 23.0      | 17.0      |
|                  |               |            | 661    | 1880.0      | 22.3               | 16.3      |           |           | 22.3               | 16.3      |           |           |
|                  |               |            | 810    | 1909.8      | 22.2               | 16.2      |           |           | 22.2               | 16.2      |           |           |

**Notes:**

Based on the Maximum Output Power, GPRS/EDGE (GMSK) mode with 2 time slots for Mode A and Mode B have maximum frame-averaged power.

## 9.2. W-CDMA

### Per KDB 941225 D01 3G SAR Procedures for W-CDMA:

Maximum output power is verified on the high, middle and low channels and using the appropriate 12.2 kbps RMC with TPC (transmit power control) set to all "1's"

### Release 99 Setup Procedures used to establish the test signals

The following tests were completed according to the test requirements outlined in section 5.2 of the 3GPP TS34.121-1. A summary of these settings is illustrated below:

| Mode                   | Subtest                 | Rel99        |
|------------------------|-------------------------|--------------|
| WCDMA General Settings | Loopback Mode           | Test Mode 2  |
|                        | Rel99 RMC               | 12.2kbps RMC |
|                        | Power Control Algorithm | Algorithm2   |
|                        | $\beta_c/\beta_d$       | 8/15         |

SAR measurement is not required for the HSDPA, HSUPA, and HSPA+. When primary Mode and the adjusted SAR is  $\leq 1.2$  W/kg and secondary mode is  $\leq \frac{1}{4}$  dB higher than the primary mode

### Maximum Output Power for W-CDMA

| RF Air interface | Mode   | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|------------------|--------|----------------------------|--------|--------|--------|--------|--------|--------|--------|
|                  |        | ANT1                       |        | ANT2   |        | ANT3   |        | ANT4   |        |
|                  |        | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| W-CDMA Band 2    | R99    | 25.7                       | 19.7   | 21.0   | 21.3   | 24.5   | 21.8   | 20.0   | 21.6   |
|                  | HSDPA  | 25.7                       | 19.7   | 21.0   | 21.3   | 24.5   | 21.8   | 20.0   | 21.6   |
|                  | HSUPA  | 25.7                       | 19.7   | 21.0   | 21.3   | 24.5   | 21.8   | 20.0   | 21.6   |
|                  | HSPA + | 25.7                       | 19.7   | 21.0   | 21.3   | 24.5   | 21.8   | 20.0   | 21.6   |
| W-CDMA Band 4    | R99    | 25.2                       | 19.6   | 19.3   | 19.0   | 24.2   | 22.3   | 19.8   | 21.7   |
|                  | HSDPA  | 25.2                       | 19.6   | 19.3   | 19.0   | 24.2   | 22.3   | 19.8   | 21.7   |
|                  | HSUPA  | 25.2                       | 19.6   | 19.3   | 19.0   | 24.2   | 22.3   | 19.8   | 21.7   |
|                  | HSPA + | 25.2                       | 19.6   | 19.3   | 19.0   | 24.2   | 22.3   | 19.8   | 21.7   |
| W-CDMA Band 5    | R99    | 25.7                       | 25.7   | 23.5   | 24.7   |        |        |        |        |
|                  | HSDPA  | 25.7                       | 25.7   | 23.5   | 24.7   |        |        |        |        |
|                  | HSUPA  | 25.7                       | 25.7   | 23.5   | 24.7   |        |        |        |        |
|                  | HSPA + | 25.7                       | 25.7   | 23.5   | 24.7   |        |        |        |        |

### Simultaneous Output Power for W-CDMA

| RF Air interface | Mode   | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|------------------|--------|----------------------------|--------|--------|--------|--------|--------|--------|--------|
|                  |        | ANT1                       |        | ANT2   |        | ANT3   |        | ANT4   |        |
|                  |        | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| W-CDMA Band 2    | R99    | 25.0                       | 18.9   | 20.2   | 20.5   | 23.7   | 21.0   | 19.2   | 20.8   |
|                  | HSDPA  | 25.0                       | 18.9   | 20.2   | 20.5   | 23.7   | 21.0   | 19.2   | 20.8   |
|                  | HSUPA  | 25.0                       | 18.9   | 20.2   | 20.5   | 23.7   | 21.0   | 19.2   | 20.8   |
|                  | HSPA + | 25.0                       | 18.9   | 20.2   | 20.5   | 23.7   | 21.0   | 19.2   | 20.8   |
| W-CDMA Band 4    | R99    | 24.4                       | 18.8   | 18.5   | 18.2   | 23.4   | 21.5   | 19.0   | 20.9   |
|                  | HSDPA  | 24.4                       | 18.8   | 18.5   | 18.2   | 23.4   | 21.5   | 19.0   | 20.9   |
|                  | HSUPA  | 24.4                       | 18.8   | 18.5   | 18.2   | 23.4   | 21.5   | 19.0   | 20.9   |
|                  | HSPA + | 24.4                       | 18.8   | 18.5   | 18.2   | 23.4   | 21.5   | 19.0   | 20.9   |
| W-CDMA Band 5    | R99    | 25.7                       | 25.7   | 22.7   | 24.7   |        |        |        |        |
|                  | HSDPA  | 25.7                       | 25.7   | 22.7   | 24.7   |        |        |        |        |
|                  | HSUPA  | 25.7                       | 25.7   | 22.7   | 24.7   |        |        |        |        |
|                  | HSPA + | 25.7                       | 25.7   | 22.7   | 24.7   |        |        |        |        |

**W-CDMA Band 2 Measured Results (ANT1, Power State 1)**

| Mode       |                         | UL Ch No. | Freq. (MHz) | Mode A Power (dBm) |     |           | Mode B Power (dBm) |     |           |
|------------|-------------------------|-----------|-------------|--------------------|-----|-----------|--------------------|-----|-----------|
|            |                         |           |             | Measured Pwr       | MPR | Max Power | Measured Pwr       | MPR | Max Power |
| Release 99 | Rel 99 (RMC, 12.2 kbps) | 9262      | 1852.4      | 25.3               | N/A | 25.7      | 18.1               | N/A | 19.7      |
|            |                         | 9400      | 1880.0      | 25.3               |     |           | 18.0               |     |           |
|            |                         | 9538      | 1907.6      | 25.2               |     |           | 17.9               |     |           |
| HSDPA      | Subtest 1               | 9262      | 1852.4      | 25.7               | 0   | 25.7      | 19.1               | 0   | 19.7      |
|            |                         | 9400      | 1880.0      | 25.7               |     |           | 19.1               |     |           |
|            |                         | 9538      | 1907.6      | 25.6               |     |           | 19.0               |     |           |
|            | Subtest 2               | 9262      | 1852.4      | 25.4               | 0   | 25.7      | 18.4               | 0   | 19.7      |
|            |                         | 9400      | 1880.0      | 25.4               |     |           | 18.3               |     |           |
|            |                         | 9538      | 1907.6      | 25.3               |     |           | 18.3               |     |           |
|            | Subtest 3               | 9262      | 1852.4      | 25.2               | 0.5 | 25.2      | 18.3               | 0.5 | 19.2      |
|            |                         | 9400      | 1880.0      | 25.1               |     |           | 18.3               |     |           |
|            |                         | 9538      | 1907.6      | 25.0               |     |           | 18.2               |     |           |
|            | Subtest 4               | 9262      | 1852.4      | 25.0               | 0.5 | 25.2      | 18.3               | 0.5 | 19.2      |
|            |                         | 9400      | 1880.0      | 24.9               |     |           | 18.3               |     |           |
|            |                         | 9538      | 1907.6      | 24.8               |     |           | 18.3               |     |           |
| HSUPA      | Subtest 1               | 9262      | 1852.4      | 25.6               | 0   | 25.7      | 18.8               | 0   | 19.7      |
|            |                         | 9400      | 1880.0      | 24.0               |     |           | 18.7               |     |           |
|            |                         | 9538      | 1907.6      | 24.0               |     |           | 18.7               |     |           |
|            | Subtest 2               | 9262      | 1852.4      | 23.4               | 2   | 23.7      | 16.8               | 2   | 17.7      |
|            |                         | 9400      | 1880.0      | 23.4               |     |           | 16.7               |     |           |
|            |                         | 9538      | 1907.6      | 23.4               |     |           | 16.7               |     |           |
|            | Subtest 3               | 9262      | 1852.4      | 24.5               | 1   | 24.7      | 17.5               | 1   | 18.7      |
|            |                         | 9400      | 1880.0      | 24.4               |     |           | 17.5               |     |           |
|            |                         | 9538      | 1907.6      | 24.3               |     |           | 17.5               |     |           |
|            | Subtest 4               | 9262      | 1852.4      | 23.6               | 2   | 23.7      | 17.0               | 2   | 17.7      |
|            |                         | 9400      | 1880.0      | 23.6               |     |           | 17.0               |     |           |
|            |                         | 9538      | 1907.6      | 23.6               |     |           | 17.0               |     |           |
|            | Subtest 5               | 9262      | 1852.4      | 25.6               | 0   | 25.7      | 18.8               | 0   | 19.7      |
|            |                         | 9400      | 1880.0      | 25.5               |     |           | 18.7               |     |           |
|            |                         | 9538      | 1907.6      | 25.4               |     |           | 18.7               |     |           |
| HSPA+      | Subtest 1               | 9262      | 1852.4      | 22.6               | 2.5 | 23.2      | 16.1               | 2.5 | 17.2      |
|            |                         | 9400      | 1880.0      | 22.6               |     |           | 16.0               |     |           |
|            |                         | 9538      | 1907.6      | 22.6               |     |           | 16.0               |     |           |

**W-CDMA Band 2 Measured Results (ANT2, Power State 1)**

| Mode       |                         | UL Ch No. | Freq. (MHz) | Mode A Power (dBm) |     |           | Mode B Power (dBm) |     |           |
|------------|-------------------------|-----------|-------------|--------------------|-----|-----------|--------------------|-----|-----------|
|            |                         |           |             | Measured Pwr       | MPR | Max Power | Measured Pwr       | MPR | Max Power |
| Release 99 | Rel 99 (RMC, 12.2 kbps) | 9262      | 1852.4      | 20.0               | N/A | 21.0      | 20.0               | N/A | 21.3      |
|            |                         | 9400      | 1880.0      | 19.9               |     |           | 19.9               |     |           |
|            |                         | 9538      | 1907.6      | 19.9               |     |           | 19.9               |     |           |
| HSDPA      | Subtest 1               | 9262      | 1852.4      | 20.6               | 0   | 21.0      | 20.8               | 0   | 21.3      |
|            |                         | 9400      | 1880.0      | 20.4               |     |           | 20.5               |     |           |
|            |                         | 9538      | 1907.6      | 20.5               |     |           | 20.6               |     |           |
|            | Subtest 2               | 9262      | 1852.4      | 20.2               | 0   | 21.0      | 20.0               | 0   | 21.3      |
|            |                         | 9400      | 1880.0      | 20.0               |     |           | 19.9               |     |           |
|            |                         | 9538      | 1907.6      | 20.0               |     |           | 19.9               |     |           |
|            | Subtest 3               | 9262      | 1852.4      | 19.8               | 0.5 | 20.5      | 20.0               | 0.5 | 20.8      |
|            |                         | 9400      | 1880.0      | 19.8               |     |           | 19.9               |     |           |
|            |                         | 9538      | 1907.6      | 19.7               |     |           | 19.9               |     |           |
|            | Subtest 4               | 9262      | 1852.4      | 19.7               | 0.5 | 20.5      | 20.1               | 0.5 | 20.8      |
|            |                         | 9400      | 1880.0      | 19.5               |     |           | 20.0               |     |           |
|            |                         | 9538      | 1907.6      | 19.4               |     |           | 19.9               |     |           |
| HSUPA      | Subtest 1               | 9262      | 1852.4      | 20.2               | 0   | 21.0      | 20.5               | 0   | 21.3      |
|            |                         | 9400      | 1880.0      | 20.1               |     |           | 20.5               |     |           |
|            |                         | 9538      | 1907.6      | 20.1               |     |           | 20.4               |     |           |
|            | Subtest 2               | 9262      | 1852.4      | 18.1               | 2   | 19.0      | 18.5               | 2   | 19.3      |
|            |                         | 9400      | 1880.0      | 18.0               |     |           | 18.4               |     |           |
|            |                         | 9538      | 1907.6      | 18.0               |     |           | 18.3               |     |           |
|            | Subtest 3               | 9262      | 1852.4      | 18.8               | 1   | 20.0      | 19.4               | 1   | 20.3      |
|            |                         | 9400      | 1880.0      | 18.8               |     |           | 19.1               |     |           |
|            |                         | 9538      | 1907.6      | 18.8               |     |           | 19.1               |     |           |
|            | Subtest 4               | 9262      | 1852.4      | 18.3               | 2   | 19.0      | 18.6               | 2   | 19.3      |
|            |                         | 9400      | 1880.0      | 18.3               |     |           | 18.6               |     |           |
|            |                         | 9538      | 1907.6      | 18.3               |     |           | 18.6               |     |           |
|            | Subtest 5               | 9262      | 1852.4      | 20.4               | 0   | 21.0      | 20.8               | 0   | 21.3      |
|            |                         | 9400      | 1880.0      | 20.4               |     |           | 20.7               |     |           |
|            |                         | 9538      | 1907.6      | 20.4               |     |           | 20.7               |     |           |
| HSPA+      | Subtest 1               | 9262      | 1852.4      | 17.9               | 2.5 | 18.5      | 18.3               | 2.5 | 18.8      |
|            |                         | 9400      | 1880.0      | 17.9               |     |           | 18.2               |     |           |
|            |                         | 9538      | 1907.6      | 17.9               |     |           | 18.2               |     |           |

**W-CDMA Band 2 Measured Results (ANT3, Power State 1)**

| Mode       |                         | UL Ch No. | Freq. (MHz) | Mode A Power (dBm) |     |           | Mode B Power (dBm) |     |           |
|------------|-------------------------|-----------|-------------|--------------------|-----|-----------|--------------------|-----|-----------|
|            |                         |           |             | Measured Pwr       | MPR | Max Power | Measured Pwr       | MPR | Max Power |
| Release 99 | Rel 99 (RMC, 12.2 kbps) | 9262      | 1852.4      | 23.6               | N/A | 24.5      | 20.9               | N/A | 21.8      |
|            |                         | 9400      | 1880.0      | 23.7               |     |           | 21.0               |     |           |
|            |                         | 9538      | 1907.6      | 23.7               |     |           | 21.0               |     |           |
| HSDPA      | Subtest 1               | 9262      | 1852.4      | 24.0               | 0   | 24.5      | 21.1               | 0   | 21.8      |
|            |                         | 9400      | 1880.0      | 24.1               |     |           | 21.2               |     |           |
|            |                         | 9538      | 1907.6      | 24.0               |     |           | 21.1               |     |           |
|            | Subtest 2               | 9262      | 1852.4      | 23.5               | 0   | 24.5      | 20.7               | 0   | 21.8      |
|            |                         | 9400      | 1880.0      | 23.7               |     |           | 20.9               |     |           |
|            |                         | 9538      | 1907.6      | 23.6               |     |           | 20.8               |     |           |
|            | Subtest 3               | 9262      | 1852.4      | 23.3               | 0.5 | 24.0      | 20.5               | 0.5 | 21.3      |
|            |                         | 9400      | 1880.0      | 23.3               |     |           | 20.6               |     |           |
|            |                         | 9538      | 1907.6      | 23.3               |     |           | 20.5               |     |           |
|            | Subtest 4               | 9262      | 1852.4      | 23.0               | 0.5 | 24.0      | 20.3               | 0.5 | 21.3      |
|            |                         | 9400      | 1880.0      | 23.0               |     |           | 20.4               |     |           |
|            |                         | 9538      | 1907.6      | 23.0               |     |           | 20.2               |     |           |
| HSUPA      | Subtest 1               | 9262      | 1852.4      | 23.4               | 0   | 24.5      | 20.8               | 0   | 21.8      |
|            |                         | 9400      | 1880.0      | 23.4               |     |           | 20.6               |     |           |
|            |                         | 9538      | 1907.6      | 23.3               |     |           | 20.5               |     |           |
|            | Subtest 2               | 9262      | 1852.4      | 21.5               | 2   | 22.5      | 18.8               | 2   | 19.8      |
|            |                         | 9400      | 1880.0      | 21.7               |     |           | 18.9               |     |           |
|            |                         | 9538      | 1907.6      | 21.6               |     |           | 18.8               |     |           |
|            | Subtest 3               | 9262      | 1852.4      | 22.3               | 1   | 23.5      | 19.9               | 1   | 20.8      |
|            |                         | 9400      | 1880.0      | 22.7               |     |           | 20.0               |     |           |
|            |                         | 9538      | 1907.6      | 22.6               |     |           | 19.9               |     |           |
|            | Subtest 4               | 9262      | 1852.4      | 21.8               | 2   | 22.5      | 19.2               | 2   | 19.8      |
|            |                         | 9400      | 1880.0      | 22.0               |     |           | 19.3               |     |           |
|            |                         | 9538      | 1907.6      | 21.9               |     |           | 19.1               |     |           |
|            | Subtest 5               | 9262      | 1852.4      | 23.7               | 0   | 24.5      | 20.9               | 0   | 21.8      |
|            |                         | 9400      | 1880.0      | 23.8               |     |           | 21.0               |     |           |
|            |                         | 9538      | 1907.6      | 23.8               |     |           | 20.9               |     |           |
| HSPA+      | Subtest 1               | 9262      | 1852.4      | 20.1               | 2.5 | 22.0      | 17.6               | 2.5 | 19.3      |
|            |                         | 9400      | 1880.0      | 20.1               |     |           | 17.6               |     |           |
|            |                         | 9538      | 1907.6      | 20.1               |     |           | 17.6               |     |           |

**W-CDMA Band 2 Measured Results (ANT4, Power State 1)**

| Mode       |                         | UL Ch No. | Freq. (MHz) | Mode A Power (dBm) |     |           | Mode B Power (dBm) |     |           |
|------------|-------------------------|-----------|-------------|--------------------|-----|-----------|--------------------|-----|-----------|
|            |                         |           |             | Measured Pwr       | MPR | Max Power | Measured Pwr       | MPR | Max Power |
| Release 99 | Rel 99 (RMC, 12.2 kbps) | 9262      | 1852.4      | 19.1               | N/A | 20.0      | 20.4               | N/A | 21.6      |
|            |                         | 9400      | 1880.0      | 19.1               |     |           | 20.4               |     |           |
|            |                         | 9538      | 1907.6      | 19.0               |     |           | 20.4               |     |           |
| HSDPA      | Subtest 1               | 9262      | 1852.4      | 19.0               | 0   | 20.0      | 20.3               | 0   | 21.6      |
|            |                         | 9400      | 1880.0      | 19.1               |     |           | 20.3               |     |           |
|            |                         | 9538      | 1907.6      | 19.0               |     |           | 20.3               |     |           |
|            | Subtest 2               | 9262      | 1852.4      | 18.6               | 0   | 20.0      | 20.0               | 0   | 21.6      |
|            |                         | 9400      | 1880.0      | 18.6               |     |           | 20.0               |     |           |
|            |                         | 9538      | 1907.6      | 18.6               |     |           | 19.9               |     |           |
|            | Subtest 3               | 9262      | 1852.4      | 18.2               | 0.5 | 19.5      | 19.7               | 0.5 | 21.1      |
|            |                         | 9400      | 1880.0      | 18.3               |     |           | 19.7               |     |           |
|            |                         | 9538      | 1907.6      | 18.3               |     |           | 19.6               |     |           |
|            | Subtest 4               | 9262      | 1852.4      | 18.0               | 0.5 | 19.5      | 19.4               | 0.5 | 21.1      |
|            |                         | 9400      | 1880.0      | 18.0               |     |           | 19.4               |     |           |
|            |                         | 9538      | 1907.6      | 18.0               |     |           | 19.4               |     |           |
| HSUPA      | Subtest 1               | 9262      | 1852.4      | 18.6               | 0   | 20.0      | 20.0               | 0   | 21.6      |
|            |                         | 9400      | 1880.0      | 18.6               |     |           | 20.0               |     |           |
|            |                         | 9538      | 1907.6      | 18.6               |     |           | 19.9               |     |           |
|            | Subtest 2               | 9262      | 1852.4      | 16.5               | 2   | 18.0      | 17.9               | 2   | 19.6      |
|            |                         | 9400      | 1880.0      | 16.6               |     |           | 18.0               |     |           |
|            |                         | 9538      | 1907.6      | 16.5               |     |           | 17.9               |     |           |
|            | Subtest 3               | 9262      | 1852.4      | 17.3               | 1   | 19.0      | 18.9               | 1   | 20.6      |
|            |                         | 9400      | 1880.0      | 17.4               |     |           | 18.7               |     |           |
|            |                         | 9538      | 1907.6      | 17.3               |     |           | 18.6               |     |           |
|            | Subtest 4               | 9262      | 1852.4      | 16.8               | 2   | 18.0      | 18.2               | 2   | 19.6      |
|            |                         | 9400      | 1880.0      | 16.9               |     |           | 18.2               |     |           |
|            |                         | 9538      | 1907.6      | 16.8               |     |           | 18.1               |     |           |
|            | Subtest 5               | 9262      | 1852.4      | 18.6               | 0   | 20.0      | 20.0               | 0   | 21.6      |
|            |                         | 9400      | 1880.0      | 18.6               |     |           | 20.0               |     |           |
|            |                         | 9538      | 1907.6      | 18.5               |     |           | 19.9               |     |           |
| HSPA+      | Subtest 1               | 9262      | 1852.4      | 17.0               | 2.5 | 17.5      | 18.6               | 2.5 | 19.1      |
|            |                         | 9400      | 1880.0      | 17.1               |     |           | 18.5               |     |           |
|            |                         | 9538      | 1907.6      | 17.0               |     |           | 18.5               |     |           |



**W-CDMA Band 4 Measured Results (ANT1, Power State 1)**

| Mode       |                         | UL Ch No. | Freq. (MHz) | Mode A Power (dBm) |     |           | Mode B Power (dBm) |     |           |
|------------|-------------------------|-----------|-------------|--------------------|-----|-----------|--------------------|-----|-----------|
|            |                         |           |             | Measured Pwr       | MPR | Max Power | Measured Pwr       | MPR | Max Power |
| Release 99 | Rel 99 (RMC, 12.2 kbps) | 1312      | 1712.4      | 24.6               | N/A | 25.2      | 19.5               | N/A | 19.6      |
|            |                         | 1413      | 1732.6      | 24.6               |     |           | 19.4               |     |           |
|            |                         | 1513      | 1752.6      | 24.5               |     |           | 19.3               |     |           |
| HSDPA      | Subtest 1               | 1312      | 1712.4      | 24.6               | 0   | 25.2      | 19.5               | 0   | 19.6      |
|            |                         | 1413      | 1732.6      | 24.5               |     |           | 19.4               |     |           |
|            |                         | 1513      | 1752.6      | 24.3               |     |           | 19.2               |     |           |
|            | Subtest 2               | 1312      | 1712.4      | 24.2               | 0   | 25.2      | 19.2               | 0   | 19.6      |
|            |                         | 1413      | 1732.6      | 24.2               |     |           | 19.1               |     |           |
|            |                         | 1513      | 1752.6      | 24.0               |     |           | 19.0               |     |           |
|            | Subtest 3               | 1312      | 1712.4      | 23.9               | 0.5 | 24.7      | 18.9               | 0.5 | 19.1      |
|            |                         | 1413      | 1732.6      | 23.9               |     |           | 18.8               |     |           |
|            |                         | 1513      | 1752.6      | 23.7               |     |           | 18.7               |     |           |
|            | Subtest 4               | 1312      | 1712.4      | 23.7               | 0.5 | 24.7      | 18.6               | 0.5 | 19.1      |
|            |                         | 1413      | 1732.6      | 23.7               |     |           | 18.6               |     |           |
|            |                         | 1513      | 1752.6      | 23.5               |     |           | 18.5               |     |           |
| HSUPA      | Subtest 1               | 1312      | 1712.4      | 23.2               | 0   | 25.2      | 19.1               | 0   | 19.6      |
|            |                         | 1413      | 1732.6      | 23.8               |     |           | 19.1               |     |           |
|            |                         | 1513      | 1752.6      | 23.6               |     |           | 19.0               |     |           |
|            | Subtest 2               | 1312      | 1712.4      | 22.2               | 2   | 23.2      | 17.1               | 2   | 17.6      |
|            |                         | 1413      | 1732.6      | 22.2               |     |           | 17.1               |     |           |
|            |                         | 1513      | 1752.6      | 22.0               |     |           | 17.0               |     |           |
|            | Subtest 3               | 1312      | 1712.4      | 23.2               | 1   | 24.2      | 18.1               | 1   | 18.6      |
|            |                         | 1413      | 1732.6      | 23.1               |     |           | 18.0               |     |           |
|            |                         | 1513      | 1752.6      | 23.0               |     |           | 18.0               |     |           |
|            | Subtest 4               | 1312      | 1712.4      | 22.5               | 2   | 23.2      | 17.4               | 2   | 17.6      |
|            |                         | 1413      | 1732.6      | 22.4               |     |           | 17.3               |     |           |
|            |                         | 1513      | 1752.6      | 22.2               |     |           | 17.2               |     |           |
|            | Subtest 5               | 1312      | 1712.4      | 24.2               | 0   | 25.2      | 19.1               | 0   | 19.6      |
|            |                         | 1413      | 1732.6      | 24.2               |     |           | 19.1               |     |           |
|            |                         | 1513      | 1752.6      | 24.1               |     |           | 19.0               |     |           |
| HSPA+      | Subtest 1               | 1312      | 1712.4      | 21.2               | 2.5 | 22.7      | 16.8               | 2.5 | 17.1      |
|            |                         | 1413      | 1732.6      | 21.2               |     |           | 16.9               |     |           |
|            |                         | 1513      | 1752.6      | 21.2               |     |           | 16.9               |     |           |

**W-CDMA Band 4 Measured Results (ANT2, Power State 1)**

| Mode       |                         | UL Ch No. | Freq. (MHz) | Mode A Power (dBm) |     |           | Mode B Power (dBm) |     |           |
|------------|-------------------------|-----------|-------------|--------------------|-----|-----------|--------------------|-----|-----------|
|            |                         |           |             | Measured Pwr       | MPR | Max Power | Measured Pwr       | MPR | Max Power |
| Release 99 | Rel 99 (RMC, 12.2 kbps) | 1312      | 1712.4      | 19.2               | N/A | 19.3      | 17.9               | N/A | 19.0      |
|            |                         | 1413      | 1732.6      | 19.0               |     |           | 17.8               |     |           |
|            |                         | 1513      | 1752.6      | 19.0               |     |           | 17.6               |     |           |
| HSDPA      | Subtest 1               | 1312      | 1712.4      | 18.9               | 0   | 19.3      | 18.0               | 0   | 19.0      |
|            |                         | 1413      | 1732.6      | 18.9               |     |           | 17.9               |     |           |
|            |                         | 1513      | 1752.6      | 19.0               |     |           | 18.0               |     |           |
|            | Subtest 2               | 1312      | 1712.4      | 18.46              | 0   | 19.3      | 17.7               | 0   | 19.0      |
|            |                         | 1413      | 1732.6      | 18.5               |     |           | 17.6               |     |           |
|            |                         | 1513      | 1752.6      | 18.6               |     |           | 17.8               |     |           |
|            | Subtest 3               | 1312      | 1712.4      | 18.3               | 0.5 | 18.8      | 17.4               | 0.5 | 18.5      |
|            |                         | 1413      | 1732.6      | 18.2               |     |           | 17.4               |     |           |
|            |                         | 1513      | 1752.6      | 18.3               |     |           | 17.4               |     |           |
|            | Subtest 4               | 1312      | 1712.4      | 18.1               | 0.5 | 18.8      | 17.2               | 0.5 | 18.5      |
|            |                         | 1413      | 1732.6      | 18.0               |     |           | 17.1               |     |           |
|            |                         | 1513      | 1752.6      | 18.1               |     |           | 17.2               |     |           |
| HSUPA      | Subtest 1               | 1312      | 1712.4      | 18.6               | 0   | 19.3      | 17.7               | 0   | 19.0      |
|            |                         | 1413      | 1732.6      | 18.6               |     |           | 17.7               |     |           |
|            |                         | 1513      | 1752.6      | 18.6               |     |           | 17.4               |     |           |
|            | Subtest 2               | 1312      | 1712.4      | 16.5               | 2   | 17.3      | 15.7               | 2   | 17.0      |
|            |                         | 1413      | 1732.6      | 16.5               |     |           | 15.7               |     |           |
|            |                         | 1513      | 1752.6      | 16.5               |     |           | 15.7               |     |           |
|            | Subtest 3               | 1312      | 1712.4      | 17.2               | 1   | 18.3      | 16.7               | 1   | 18.0      |
|            |                         | 1413      | 1732.6      | 17.2               |     |           | 16.4               |     |           |
|            |                         | 1513      | 1752.6      | 17.2               |     |           | 16.4               |     |           |
|            | Subtest 4               | 1312      | 1712.4      | 16.8               | 2   | 17.3      | 16.0               | 2   | 17.0      |
|            |                         | 1413      | 1732.6      | 16.7               |     |           | 15.9               |     |           |
|            |                         | 1513      | 1752.6      | 16.7               |     |           | 15.9               |     |           |
|            | Subtest 5               | 1312      | 1712.4      | 18.6               | 0   | 19.3      | 17.7               | 0   | 19.0      |
|            |                         | 1413      | 1732.6      | 18.6               |     |           | 17.7               |     |           |
|            |                         | 1513      | 1752.6      | 18.5               |     |           | 17.7               |     |           |
| HSPA+      | Subtest 1               | 1312      | 1712.4      | 15.8               | 2.5 | 16.8      | 14.9               | 2.5 | 16.5      |
|            |                         | 1413      | 1732.6      | 15.8               |     |           | 14.9               |     |           |
|            |                         | 1513      | 1752.6      | 15.8               |     |           | 14.9               |     |           |

**W-CDMA Band 4 Measured Results (ANT3, Power State 1)**

| Mode       |                         | UL Ch No. | Freq. (MHz) | Mode A Power (dBm) |     |           | Mode B Power (dBm) |     |           |
|------------|-------------------------|-----------|-------------|--------------------|-----|-----------|--------------------|-----|-----------|
|            |                         |           |             | Measured Pwr       | MPR | Max Power | Measured Pwr       | MPR | Max Power |
| Release 99 | Rel 99 (RMC, 12.2 kbps) | 1312      | 1712.4      | 23.2               | N/A | 24.2      | 21.4               | N/A | 22.3      |
|            |                         | 1413      | 1732.6      | 23.2               |     |           | 21.3               |     |           |
|            |                         | 1513      | 1752.6      | 23.1               |     |           | 21.3               |     |           |
| HSDPA      | Subtest 1               | 1312      | 1712.4      | 23.5               | 0   | 24.2      | 21.7               | 0   | 22.3      |
|            |                         | 1413      | 1732.6      | 23.5               |     |           | 21.7               |     |           |
|            |                         | 1513      | 1752.6      | 23.5               |     |           | 21.6               |     |           |
|            | Subtest 2               | 1312      | 1712.4      | 23.2               | 0   | 24.2      | 21.4               | 0   | 22.3      |
|            |                         | 1413      | 1732.6      | 23.2               |     |           | 21.4               |     |           |
|            |                         | 1513      | 1752.6      | 23.2               |     |           | 21.4               |     |           |
|            | Subtest 3               | 1312      | 1712.4      | 22.9               | 0.5 | 23.7      | 21.1               | 0.5 | 21.8      |
|            |                         | 1413      | 1732.6      | 22.9               |     |           | 21.1               |     |           |
|            |                         | 1513      | 1752.6      | 22.8               |     |           | 21.0               |     |           |
|            | Subtest 4               | 1312      | 1712.4      | 22.6               | 0.5 | 23.7      | 20.9               | 0.5 | 21.8      |
|            |                         | 1413      | 1732.6      | 22.6               |     |           | 20.8               |     |           |
|            |                         | 1513      | 1752.6      | 22.6               |     |           | 20.7               |     |           |
| HSUPA      | Subtest 1               | 1312      | 1712.4      | 23.4               | 0   | 24.2      | 21.7               | 0   | 22.3      |
|            |                         | 1413      | 1732.6      | 23.5               |     |           | 21.8               |     |           |
|            |                         | 1513      | 1752.6      | 23.3               |     |           | 21.6               |     |           |
|            | Subtest 2               | 1312      | 1712.4      | 21.2               | 2   | 22.2      | 19.7               | 2   | 20.3      |
|            |                         | 1413      | 1732.6      | 21.3               |     |           | 19.7               |     |           |
|            |                         | 1513      | 1752.6      | 21.1               |     |           | 19.5               |     |           |
|            | Subtest 3               | 1312      | 1712.4      | 22.0               | 1   | 23.2      | 20.6               | 1   | 21.3      |
|            |                         | 1413      | 1732.6      | 22.2               |     |           | 20.8               |     |           |
|            |                         | 1513      | 1752.6      | 21.9               |     |           | 20.5               |     |           |
|            | Subtest 4               | 1312      | 1712.4      | 21.5               | 2   | 22.2      | 19.9               | 2   | 20.3      |
|            |                         | 1413      | 1732.6      | 21.6               |     |           | 20.0               |     |           |
|            |                         | 1513      | 1752.6      | 21.4               |     |           | 19.8               |     |           |
|            | Subtest 5               | 1312      | 1712.4      | 23.3               | 0   | 24.2      | 21.7               | 0   | 22.3      |
|            |                         | 1413      | 1732.6      | 23.4               |     |           | 21.7               |     |           |
|            |                         | 1513      | 1752.6      | 23.2               |     |           | 21.5               |     |           |
| HSPA+      | Subtest 1               | 1312      | 1712.4      | 20.3               | 2.5 | 21.7      | 18.6               | 2.5 | 19.8      |
|            |                         | 1413      | 1732.6      | 20.2               |     |           | 18.5               |     |           |
|            |                         | 1513      | 1752.6      | 20.2               |     |           | 18.5               |     |           |

**W-CDMA Band 4 Measured Results (ANT4, Power State 1)**

| Mode       |                         | UL Ch No. | Freq. (MHz) | Mode A Power (dBm) |     |           | Mode B Power (dBm) |     |           |
|------------|-------------------------|-----------|-------------|--------------------|-----|-----------|--------------------|-----|-----------|
|            |                         |           |             | Measured Power     | MPR | Max Power | Measured Power     | MPR | Max Power |
| Release 99 | Rel 99 (RMC, 12.2 kbps) | 1312      | 1712.4      | 18.6               | N/A | 19.8      | 20.2               | N/A | 21.7      |
|            |                         | 1413      | 1732.6      | 18.6               |     |           | 20.3               |     |           |
|            |                         | 1513      | 1752.6      | 18.7               |     |           | 20.4               |     |           |
| HSDPA      | Subtest 1               | 1312      | 1712.4      | 18.4               | 0   | 19.8      | 20.2               | 0   | 21.7      |
|            |                         | 1413      | 1732.6      | 18.6               |     |           | 20.3               |     |           |
|            |                         | 1513      | 1752.6      | 18.6               |     |           | 20.4               |     |           |
|            | Subtest 2               | 1312      | 1712.4      | 18.2               | 0   | 19.8      | 19.9               | 0   | 21.7      |
|            |                         | 1413      | 1732.6      | 18.3               |     |           | 20.0               |     |           |
|            |                         | 1513      | 1752.6      | 18.3               |     |           | 20.0               |     |           |
|            | Subtest 3               | 1312      | 1712.4      | 17.9               | 0.5 | 19.3      | 19.6               | 0.5 | 21.2      |
|            |                         | 1413      | 1732.6      | 18.0               |     |           | 19.7               |     |           |
|            |                         | 1513      | 1752.6      | 18.0               |     |           | 19.7               |     |           |
|            | Subtest 4               | 1312      | 1712.4      | 17.6               | 0.5 | 19.3      | 19.3               | 0.5 | 21.2      |
|            |                         | 1413      | 1732.6      | 17.7               |     |           | 19.4               |     |           |
|            |                         | 1513      | 1752.6      | 17.7               |     |           | 19.4               |     |           |
| HSUPA      | Subtest 1               | 1312      | 1712.4      | 18.1               | 0   | 19.8      | 19.8               | 0   | 21.7      |
|            |                         | 1413      | 1732.6      | 18.3               |     |           | 20.0               |     |           |
|            |                         | 1513      | 1752.6      | 18.3               |     |           | 20.0               |     |           |
|            | Subtest 2               | 1312      | 1712.4      | 16.0               | 2   | 17.8      | 17.9               | 2   | 19.7      |
|            |                         | 1413      | 1732.6      | 16.2               |     |           | 17.9               |     |           |
|            |                         | 1513      | 1752.6      | 16.2               |     |           | 18.0               |     |           |
|            | Subtest 3               | 1312      | 1712.4      | 17.1               | 1   | 18.8      | 18.7               | 1   | 20.7      |
|            |                         | 1413      | 1732.6      | 16.9               |     |           | 18.7               |     |           |
|            |                         | 1513      | 1752.6      | 17.0               |     |           | 18.8               |     |           |
|            | Subtest 4               | 1312      | 1712.4      | 16.3               | 2   | 17.8      | 18.1               | 2   | 19.7      |
|            |                         | 1413      | 1732.6      | 16.4               |     |           | 18.2               |     |           |
|            |                         | 1513      | 1752.6      | 16.5               |     |           | 18.2               |     |           |
|            | Subtest 5               | 1312      | 1712.4      | 18.1               | 0   | 19.8      | 19.9               | 0   | 21.7      |
|            |                         | 1413      | 1732.6      | 18.3               |     |           | 20.0               |     |           |
|            |                         | 1513      | 1752.6      | 18.3               |     |           | 20.0               |     |           |
| HSPA+      | Subtest 1               | 1312      | 1712.4      | 15.8               | 2.5 | 17.3      | 17.5               | 2.5 | 19.2      |
|            |                         | 1413      | 1732.6      | 15.8               |     |           | 17.5               |     |           |
|            |                         | 1513      | 1752.6      | 15.8               |     |           | 17.5               |     |           |

**W-CDMA Band 5 Measured Results (ANT1, Power State 1)**

| Mode       |                         | UL Ch No. | Freq. (MHz) | Mode A Power (dBm) |     |           | Mode B Power (dBm) |     |           |
|------------|-------------------------|-----------|-------------|--------------------|-----|-----------|--------------------|-----|-----------|
|            |                         |           |             | Measured Pwr       | MPR | Max Power | Measured Pwr       | MPR | Max Power |
| Release 99 | Rel 99 (RMC, 12.2 kbps) | 4132      | 826.4       | 25.1               | N/A | 25.7      | 25.1               | N/A | 25.7      |
|            |                         | 4183      | 836.6       | 25.2               |     |           | 25.2               |     |           |
|            |                         | 4233      | 846.6       | 25.3               |     |           | 25.3               |     |           |
| HSDPA      | Subtest 1               | 4132      | 826.4       | 25.7               | 0   | 25.7      | 25.7               | 0   | 25.7      |
|            |                         | 4183      | 836.6       | 25.7               |     |           | 25.7               |     |           |
|            |                         | 4233      | 846.6       | 25.6               |     |           | 25.6               |     |           |
|            | Subtest 2               | 4132      | 826.4       | 25.3               | 0   | 25.7      | 25.3               | 0   | 25.7      |
|            |                         | 4183      | 836.6       | 25.3               |     |           | 25.3               |     |           |
|            |                         | 4233      | 846.6       | 25.4               |     |           | 25.4               |     |           |
|            | Subtest 3               | 4132      | 826.4       | 25.1               | 0.5 | 25.2      | 25.1               | 0.5 | 25.2      |
|            |                         | 4183      | 836.6       | 25.1               |     |           | 25.1               |     |           |
|            |                         | 4233      | 846.6       | 25.2               |     |           | 25.2               |     |           |
|            | Subtest 4               | 4132      | 826.4       | 24.9               | 0.5 | 25.2      | 24.9               | 0.5 | 25.2      |
|            |                         | 4183      | 836.6       | 24.7               |     |           | 24.7               |     |           |
|            |                         | 4233      | 846.6       | 24.8               |     |           | 24.8               |     |           |
| HSUPA      | Subtest 1               | 4132      | 826.4       | 24.2               | 0   | 25.7      | 24.2               | 0   | 25.7      |
|            |                         | 4183      | 836.6       | 24.3               |     |           | 24.3               |     |           |
|            |                         | 4233      | 846.6       | 24.0               |     |           | 24.0               |     |           |
|            | Subtest 2               | 4132      | 826.4       | 23.4               | 2   | 23.7      | 23.4               | 2   | 23.7      |
|            |                         | 4183      | 836.6       | 23.4               |     |           | 23.4               |     |           |
|            |                         | 4233      | 846.6       | 23.4               |     |           | 23.4               |     |           |
|            | Subtest 3               | 4132      | 826.4       | 24.3               | 1   | 24.7      | 24.3               | 1   | 24.7      |
|            |                         | 4183      | 836.6       | 24.4               |     |           | 24.4               |     |           |
|            |                         | 4233      | 846.6       | 24.4               |     |           | 24.4               |     |           |
|            | Subtest 4               | 4132      | 826.4       | 23.6               | 2   | 23.7      | 23.6               | 2   | 23.7      |
|            |                         | 4183      | 836.6       | 23.6               |     |           | 23.6               |     |           |
|            |                         | 4233      | 846.6       | 23.6               |     |           | 23.6               |     |           |
|            | Subtest 5               | 4132      | 826.4       | 25.4               | 0   | 25.7      | 25.4               | 0   | 25.7      |
|            |                         | 4183      | 836.6       | 25.5               |     |           | 25.5               |     |           |
|            |                         | 4233      | 846.6       | 25.4               |     |           | 25.4               |     |           |
| HSPA+      | Subtest 1               | 4132      | 826.4       | 22.4               | 2.5 | 23.2      | 22.4               | 2.5 | 23.2      |
|            |                         | 4183      | 836.6       | 22.4               |     |           | 22.4               |     |           |
|            |                         | 4233      | 846.6       | 22.3               |     |           | 22.3               |     |           |

**W-CDMA Band 5 Measured Results (ANT2, Power State 1)**

| Mode       |                         | UL Ch No. | Freq. (MHz) | Mode A Power (dBm) |     |           | Mode B Power (dBm) |     |           |
|------------|-------------------------|-----------|-------------|--------------------|-----|-----------|--------------------|-----|-----------|
|            |                         |           |             | Measured Pwr       | MPR | Max Power | Measured Pwr       | MPR | Max Power |
| Release 99 | Rel 99 (RMC, 12.2 kbps) | 4132      | 826.4       | 22.5               | N/A | 23.5      | 24.0               | N/A | 24.7      |
|            |                         | 4183      | 836.6       | 22.6               |     |           | 24.0               |     |           |
|            |                         | 4233      | 846.6       | 22.4               |     |           | 24.0               |     |           |
| HSDPA      | Subtest 1               | 4132      | 826.4       | 22.1               | 0   | 23.5      | 24.3               | 0   | 24.7      |
|            |                         | 4183      | 836.6       | 22.1               |     |           | 24.3               |     |           |
|            |                         | 4233      | 846.6       | 22.0               |     |           | 24.1               |     |           |
|            | Subtest 2               | 4132      | 826.4       | 22.1               | 0   | 23.5      | 23.8               | 0   | 24.7      |
|            |                         | 4183      | 836.6       | 22.1               |     |           | 23.7               |     |           |
|            |                         | 4233      | 846.6       | 22.0               |     |           | 23.6               |     |           |
|            | Subtest 3               | 4132      | 826.4       | 22.1               | 0.5 | 23.0      | 23.7               | 0.5 | 24.2      |
|            |                         | 4183      | 836.6       | 22.1               |     |           | 23.6               |     |           |
|            |                         | 4233      | 846.6       | 22.1               |     |           | 23.5               |     |           |
|            | Subtest 4               | 4132      | 826.4       | 22.1               | 0.5 | 23.0      | 23.2               | 0.5 | 24.2      |
|            |                         | 4183      | 836.6       | 22.1               |     |           | 23.2               |     |           |
|            |                         | 4233      | 846.6       | 22.0               |     |           | 23.0               |     |           |
| HSUPA      | Subtest 1               | 4132      | 826.4       | 22.5               | 0   | 23.5      | 23.8               | 0   | 24.7      |
|            |                         | 4183      | 836.6       | 22.4               |     |           | 23.5               |     |           |
|            |                         | 4233      | 846.6       | 22.3               |     |           | 23.4               |     |           |
|            | Subtest 2               | 4132      | 826.4       | 20.4               | 2   | 21.5      | 22.0               | 2   | 22.7      |
|            |                         | 4183      | 836.6       | 20.4               |     |           | 21.9               |     |           |
|            |                         | 4233      | 846.6       | 20.2               |     |           | 21.8               |     |           |
|            | Subtest 3               | 4132      | 826.4       | 21.1               | 1   | 22.5      | 22.9               | 1   | 23.7      |
|            |                         | 4183      | 836.6       | 21.1               |     |           | 22.9               |     |           |
|            |                         | 4233      | 846.6       | 21.1               |     |           | 22.8               |     |           |
|            | Subtest 4               | 4132      | 826.4       | 20.7               | 2   | 21.5      | 22.2               | 2   | 22.7      |
|            |                         | 4183      | 836.6       | 20.6               |     |           | 22.2               |     |           |
|            |                         | 4233      | 846.6       | 20.6               |     |           | 22.1               |     |           |
|            | Subtest 5               | 4132      | 826.4       | 22.5               | 0   | 23.5      | 24.0               | 0   | 24.7      |
|            |                         | 4183      | 836.6       | 22.4               |     |           | 24.0               |     |           |
|            |                         | 4233      | 846.6       | 22.3               |     |           | 23.9               |     |           |
| HSPA+      | Subtest 1               | 4132      | 826.4       | 20.2               | 2.5 | 21.0      | 21.7               | 2.5 | 22.2      |
|            |                         | 4183      | 836.6       | 20.3               |     |           | 21.7               |     |           |
|            |                         | 4233      | 846.6       | 20.1               |     |           | 21.6               |     |           |

### 9.3. LTE

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

**Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3**

| Modulation | Channel bandwidth / Transmission bandwidth ( $N_{RB}$ ) |         |       |        |        |        | MPR (dB) |
|------------|---|---------|-------|--------|--------|--------|----------|
|            | 1.4 MHz   | 3.0 MHz | 5 MHz | 10 MHz | 15 MHz | 20 MHz |          |
| QPSK       | > 5   | > 4     | > 8   | > 12   | > 16   | > 18   | ≤ 1      |
| 16 QAM     | ≤ 5   | ≤ 4     | ≤ 8   | ≤ 12   | ≤ 16   | ≤ 18   | ≤ 1      |
| 16 QAM     | > 5   | > 4     | > 8   | > 12   | > 16   | > 18   | ≤ 2      |
| 64 QAM     | ≤ 5   | ≤ 4     | ≤ 8   | ≤ 12   | ≤ 16   | ≤ 18   | ≤ 2      |
| 64 QAM     | > 5   | > 4     | > 8   | > 12   | > 16   | > 18   | ≤ 3      |
| 256 QAM    | ≥ 1   |         |       |        |        |        | ≤ 5      |

The allowed A-MPR values specified below in Table 6.2.4.-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS\_01".

**Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)**

| Network Signalling value | Requirements (subclause) | E-UTRA Band | Channel bandwidth (MHz) | Resources Blocks ( $N_{RB}$ ) | A-MPR (dB) |
|--------------------------|--------------------------|-------------|-------------------------|-------------------------------|------------|
| NS_01                    | 6.6.2.1.1                | Table 5.5-1 | 1.4, 3, 5, 10, 15, 20   | Table 5.6-1                   | N/A        |

According to April 2015 TCB workshop, SAR test exclusion can be applied for testing overlapping LTE bands as follows:

- a) The maximum output power for the smaller band must be ≤ the larger band to qualify for the SAR test exclusion.
- b) The channel bandwidth and other operating parameters for the smaller band must be fully supported by the larger band.
  - LTE Band 2 (1850-1910 MHz) is covered by LTE Band 25 (1850-1915 MHz)
  - LTE Band 4 (1710-1755 MHz) is covered by LTE Band 66 (1710-1780 MHz)
  - LTE Band 17 (704-716 MHz) is covered by LTE Band 12 (699-716 MHz)

For some LTE Bands, certain channel bandwidths do not support at least three non-overlapping channels. When a device supports overlapping channel assignments in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing per KDB 941225 D05 SAR for LTE Devices. Please refer to section 6.3. for a detailed list of LTE test channels.

- LTE Band 4 (1710-1755 MHz)
- LTE Band 5 (824-849 MHz)
- LTE Band 12 (699-716 MHz)
- LTE Band 13 (777-787 MHz)
- LTE Band 14 (788-798 MHz)
- LTE Band 71 (663-698 MHz)

LTE QPSK configuration has the highest maximum average output power per 3GPP standard.

SAR measurement is not required for the 16QAM, 64QAM, and 256QAM. When the highest maximum output power for 16QAM, 64QAM, and 256QAM is ≤ ½ dB higher than the QPSK or when the reported SAR for the QPSK configuration is ≤ 1.45 W/kg.

Please refer to section 6.3. for LTE detail test channels.

**Maximum Output Power for LTE**

| RF Air interface  | Mode | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|-------------------|------|----------------------------|--------|--------|--------|--------|--------|--------|--------|
|                   |      | ANT1                       |        | ANT2   |        | ANT3   |        | ANT4   |        |
|                   |      | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| LTE Band 2        | QPSK | 25.7                       | 19.7   | 21.0   | 21.3   | 24.5   | 21.8   | 19.8   | 21.7   |
| LTE Band 4        | QPSK | 25.7                       | 19.6   | 20.0   | 19.4   | 24.2   | 22.1   | 20.0   | 21.8   |
| LTE Band 5        | QPSK | 25.7                       | 25.7   | 23.5   | 24.7   |        |        |        |        |
| LTE Band 7        | QPSK | 25.7                       | 21.0   | 17.8   | 18.9   | 23.1   | 21.1   | 21.5   | 21.2   |
| LTE Band 12       | QPSK | 25.7                       | 25.7   | 24.7   | 24.7   |        |        |        |        |
| LTE Band 13       | QPSK | 25.7                       | 25.7   | 23.7   | 24.7   |        |        |        |        |
| LTE Band 14       | QPSK | 25.7                       | 25.7   | 23.7   | 24.7   |        |        |        |        |
| LTE Band 17       | QPSK | 25.7                       | 25.7   | 24.7   | 24.7   |        |        |        |        |
| LTE Band 25       | QPSK | 25.7                       | 19.7   | 21.0   | 21.3   | 24.5   | 21.8   | 19.8   | 21.7   |
| LTE Band 26       | QPSK | 25.7                       | 25.7   | 23.5   | 24.7   |        |        |        |        |
| LTE Band 30       | QPSK | 25.7                       | 22.9   | 20.4   | 19.2   | 24.0   | 22.3   | 20.4   | 19.9   |
| LTE Band 41 (PC3) | QPSK | 25.7                       | 23.9   | 20.3   | 21.2   | 25.7   | 23.4   | 24.4   | 24.7   |
| LTE Band 41 (PC2) | QPSK | 28.7                       | 23.9   | 20.3   | 21.2   | 27.3   | 23.4   | 24.4   | 24.7   |
| LTE Band 53       | QPSK | 20.7                       | 20.7   | 20.3   | 20.7   |        |        |        |        |
| LTE Band 66       | QPSK | 25.7                       | 19.6   | 20.0   | 19.4   | 24.2   | 22.1   | 20.0   | 21.8   |
| LTE Band 71       | QPSK | 25.7                       | 25.7   | 24.7   | 24.7   |        |        |        |        |
| RF Air interface  | Mode | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|                   |      | ANT7                       |        | ANT8   |        | ANT9   |        | ANT4   |        |
|                   |      | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| LTE Band 48       | QPSK | 25.6                       | 24.0   | 25.7   | 22.3   | 23.7   | 21.5   | 20.5   | 22.4   |

**Simultaneous Maximum Output Power for LTE**

| RF Air interface  | Mode | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|-------------------|------|----------------------------|--------|--------|--------|--------|--------|--------|--------|
|                   |      | ANT1                       |        | ANT2   |        | ANT3   |        | ANT4   |        |
|                   |      | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| LTE Band 2        | QPSK | 25.1                       | 18.9   | 20.2   | 20.5   | 23.7   | 21.0   | 19.0   | 20.9   |
| LTE Band 4        | QPSK | 25.7                       | 18.8   | 19.2   | 18.6   | 23.4   | 21.3   | 19.2   | 21.0   |
| LTE Band 5        | QPSK | 25.7                       | 25.7   | 22.7   | 24.7   |        |        |        |        |
| LTE Band 7        | QPSK | 25.6                       | 20.2   | 17.0   | 18.1   | 22.3   | 20.3   | 20.7   | 20.4   |
| LTE Band 12       | QPSK | 25.7                       | 25.7   | 24.4   | 24.7   |        |        |        |        |
| LTE Band 13       | QPSK | 25.7                       | 25.7   | 22.9   | 24.7   |        |        |        |        |
| LTE Band 14       | QPSK | 25.7                       | 25.7   | 22.9   | 24.7   |        |        |        |        |
| LTE Band 17       | QPSK | 25.7                       | 25.7   | 24.4   | 24.7   |        |        |        |        |
| LTE Band 25       | QPSK | 25.1                       | 18.9   | 20.2   | 20.5   | 23.7   | 21.0   | 19.0   | 20.9   |
| LTE Band 26       | QPSK | 25.7                       | 25.7   | 22.7   | 24.7   |        |        |        |        |
| LTE Band 30       | QPSK | 25.7                       | 22.1   | 19.6   | 18.4   | 23.2   | 21.5   | 19.6   | 19.1   |
| LTE Band 41 (PC3) | QPSK | 25.7                       | 23.1   | 19.5   | 20.4   | 25.7   | 22.6   | 23.6   | 23.9   |
| LTE Band 41 (PC2) | QPSK | 28.7                       | 23.1   | 19.5   | 20.4   | 27.3   | 22.6   | 23.6   | 23.9   |
| LTE Band 53       | QPSK | 20.7                       | 20.7   | 19.5   | 20.4   |        |        |        |        |
| LTE Band 66       | QPSK | 25.7                       | 18.8   | 19.2   | 18.6   | 23.4   | 21.3   | 19.2   | 21.0   |
| LTE Band 71       | QPSK | 25.7                       | 25.7   | 24.7   | 24.7   |        |        |        |        |
| RF Air interface  | Mode | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|                   |      | ANT7                       |        | ANT8   |        | ANT9   |        | ANT4   |        |
|                   |      | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| LTE Band 48       | QPSK | 25.6                       | 23.2   | 25.7   | 21.5   | 23.4   | 20.7   | 19.7   | 21.6   |



**LTE Band 5 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |       |       |     |           | Mode B Power (dBm) |       |       |     |           |
|----------|--------|---------------|-----------|--------------------|-------|-------|-----|-----------|--------------------|-------|-------|-----|-----------|
|          |        |               |           | 20525              |       |       | MPR | Max Power | 20525              |       |       | MPR | Max Power |
|          |        |               |           | 836.5 MHz          |       |       |     |           | 836.5 MHz          |       |       |     |           |
| 10       | QPSK   | 1             | 0         | 25.0               |       |       | 0   | 25.7      | 25.0               |       |       | 0   | 25.7      |
|          |        | 1             | 25        | 25.1               |       |       | 0   | 25.7      | 25.1               |       |       | 0   | 25.7      |
|          |        | 1             | 49        | 24.9               |       |       | 0   | 25.7      | 24.9               |       |       | 0   | 25.7      |
|          |        | 25            | 0         | 24.3               |       |       | 1   | 24.7      | 24.3               |       |       | 1   | 24.7      |
|          |        | 25            | 12        | 24.3               |       |       | 1   | 24.7      | 24.3               |       |       | 1   | 24.7      |
|          |        | 25            | 25        | 24.3               |       |       | 1   | 24.7      | 24.3               |       |       | 1   | 24.7      |
|          |        | 50            | 0         | 24.4               |       |       | 1   | 24.7      | 24.4               |       |       | 1   | 24.7      |
|          | 16QAM  | 1             | 0         | 24.2               |       |       | 1   | 24.7      | 24.2               |       |       | 1   | 24.7      |
|          |        | 1             | 25        | 24.2               |       |       | 1   | 24.7      | 24.2               |       |       | 1   | 24.7      |
|          |        | 1             | 49        | 24.1               |       |       | 1   | 24.7      | 24.1               |       |       | 1   | 24.7      |
|          |        | 25            | 0         | 23.4               |       |       | 2   | 23.7      | 23.4               |       |       | 2   | 23.7      |
|          |        | 25            | 12        | 23.4               |       |       | 2   | 23.7      | 23.4               |       |       | 2   | 23.7      |
|          |        | 25            | 25        | 23.3               |       |       | 2   | 23.7      | 23.3               |       |       | 2   | 23.7      |
|          |        | 50            | 0         | 23.4               |       |       | 2   | 23.7      | 23.4               |       |       | 2   | 23.7      |
|          | 64QAM  | 1             | 0         | 23.2               |       |       | 2   | 23.7      | 23.2               |       |       | 2   | 23.7      |
|          |        | 1             | 25        | 23.0               |       |       | 2   | 23.7      | 23.0               |       |       | 2   | 23.7      |
|          |        | 1             | 49        | 23.0               |       |       | 2   | 23.7      | 23.0               |       |       | 2   | 23.7      |
|          |        | 25            | 0         | 22.4               |       |       | 3   | 22.7      | 22.4               |       |       | 3   | 22.7      |
|          |        | 25            | 12        | 22.4               |       |       | 3   | 22.7      | 22.4               |       |       | 3   | 22.7      |
|          |        | 25            | 25        | 22.3               |       |       | 3   | 22.7      | 22.3               |       |       | 3   | 22.7      |
|          |        | 50            | 0         | 22.4               |       |       | 3   | 22.7      | 22.4               |       |       | 3   | 22.7      |
|          | 256QAM | 1             | 0         | 20.2               |       |       | 5   | 20.7      | 20.2               |       |       | 5   | 20.7      |
|          |        | 1             | 25        | 20.1               |       |       | 5   | 20.7      | 20.1               |       |       | 5   | 20.7      |
|          |        | 1             | 49        | 20.0               |       |       | 5   | 20.7      | 20.0               |       |       | 5   | 20.7      |
|          |        | 25            | 0         | 20.4               |       |       | 5   | 20.7      | 20.4               |       |       | 5   | 20.7      |
|          |        | 25            | 12        | 20.4               |       |       | 5   | 20.7      | 20.4               |       |       | 5   | 20.7      |
|          |        | 25            | 25        | 20.3               |       |       | 5   | 20.7      | 20.3               |       |       | 5   | 20.7      |
|          |        | 50            | 0         | 20.4               |       |       | 5   | 20.7      | 20.4               |       |       | 5   | 20.7      |
| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |       |       |     |           | Mode B Power (dBm) |       |       |     |           |
|          |        |               |           | 20425              | 20525 | 20625 | MPR | Max Power | 20425              | 20525 | 20625 | MPR | Max Power |
|          |        |               |           | 826.5 MHz          |       |       |     |           | 836.5 MHz          |       |       |     |           |
| 5        | QPSK   | 1             | 0         | 24.9               | 25.0  | 25.0  | 0   | 25.7      | 24.9               | 25.0  | 25.0  | 0   | 25.7      |
|          |        | 1             | 12        | 24.8               | 24.9  | 24.9  | 0   | 25.7      | 24.8               | 24.9  | 24.9  | 0   | 25.7      |
|          |        | 1             | 24        | 24.9               | 24.8  | 24.9  | 0   | 25.7      | 24.9               | 24.8  | 24.9  | 0   | 25.7      |
|          |        | 12            | 0         | 24.3               | 24.4  | 24.4  | 1   | 24.7      | 24.3               | 24.4  | 24.4  | 1   | 24.7      |
|          |        | 12            | 7         | 24.3               | 24.4  | 24.4  | 1   | 24.7      | 24.3               | 24.4  | 24.4  | 1   | 24.7      |
|          |        | 12            | 13        | 24.3               | 24.4  | 24.4  | 1   | 24.7      | 24.3               | 24.4  | 24.4  | 1   | 24.7      |
|          |        | 25            | 0         | 24.3               | 24.4  | 24.4  | 1   | 24.7      | 24.3               | 24.4  | 24.4  | 1   | 24.7      |
|          | 16QAM  | 1             | 0         | 24.1               | 24.2  | 24.4  | 1   | 24.7      | 24.1               | 24.2  | 24.4  | 1   | 24.7      |
|          |        | 1             | 12        | 24.2               | 24.2  | 24.3  | 1   | 24.7      | 24.2               | 24.2  | 24.3  | 1   | 24.7      |
|          |        | 1             | 24        | 24.2               | 24.2  | 24.2  | 1   | 24.7      | 24.2               | 24.2  | 24.2  | 1   | 24.7      |
|          |        | 12            | 0         | 23.3               | 23.4  | 23.3  | 2   | 23.7      | 23.3               | 23.4  | 23.3  | 2   | 23.7      |
|          |        | 12            | 7         | 23.3               | 23.4  | 23.3  | 2   | 23.7      | 23.3               | 23.4  | 23.3  | 2   | 23.7      |
|          |        | 12            | 13        | 23.3               | 23.4  | 23.4  | 2   | 23.7      | 23.3               | 23.4  | 23.4  | 2   | 23.7      |
|          |        | 25            | 0         | 23.3               | 23.4  | 23.3  | 2   | 23.7      | 23.3               | 23.4  | 23.3  | 2   | 23.7      |
|          | 64QAM  | 1             | 0         | 23.0               | 23.1  | 23.1  | 2   | 23.7      | 23.0               | 23.1  | 23.1  | 2   | 23.7      |
|          |        | 1             | 12        | 23.0               | 23.0  | 23.1  | 2   | 23.7      | 23.0               | 23.0  | 23.1  | 2   | 23.7      |
|          |        | 1             | 24        | 23.1               | 23.0  | 23.0  | 2   | 23.7      | 23.1               | 23.0  | 23.0  | 2   | 23.7      |
|          |        | 12            | 0         | 22.3               | 22.4  | 22.4  | 3   | 22.7      | 22.3               | 22.4  | 22.4  | 3   | 22.7      |
|          |        | 12            | 7         | 22.3               | 22.3  | 22.3  | 3   | 22.7      | 22.3               | 22.3  | 22.3  | 3   | 22.7      |
|          |        | 12            | 13        | 22.3               | 22.3  | 22.4  | 3   | 22.7      | 22.3               | 22.3  | 22.4  | 3   | 22.7      |
|          |        | 25            | 0         | 22.3               | 22.4  | 22.3  | 3   | 22.7      | 22.3               | 22.4  | 22.3  | 3   | 22.7      |
|          | 256QAM | 1             | 0         | 19.9               | 20.0  | 20.1  | 5   | 20.7      | 19.9               | 20.0  | 20.1  | 5   | 20.7      |
|          |        | 1             | 12        | 20.0               | 19.9  | 20.1  | 5   | 20.7      | 20.0               | 19.9  | 20.1  | 5   | 20.7      |
|          |        | 1             | 24        | 20.0               | 20.0  | 20.0  | 5   | 20.7      | 20.0               | 20.0  | 20.0  | 5   | 20.7      |
|          |        | 12            | 0         | 20.3               | 20.4  | 20.3  | 5   | 20.7      | 20.3               | 20.4  | 20.3  | 5   | 20.7      |
|          |        | 12            | 7         | 20.3               | 20.4  | 20.3  | 5   | 20.7      | 20.3               | 20.4  | 20.3  | 5   | 20.7      |
|          |        | 12            | 13        | 20.3               | 20.3  | 20.4  | 5   | 20.7      | 20.3               | 20.3  | 20.4  | 5   | 20.7      |
|          |        | 25            | 0         | 20.3               | 20.4  | 20.3  | 5   | 20.7      | 20.3               | 20.4  | 20.3  | 5   | 20.7      |

**LTE Band 5 Measured Results (ANT1, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |           |           |      |           | Mode B Power (dBm) |           |           |      |           |
|----------|--------|---------------|-----------|--------------------|-----------|-----------|------|-----------|--------------------|-----------|-----------|------|-----------|
|          |        |               |           | 20415              | 20525     | 20635     | MPR  | Max Power | 20415              | 20525     | 20635     | MPR  | Max Power |
|          |        |               |           | 825.5 MHz          | 836.5 MHz | 847.5 MHz |      |           | 825.5 MHz          | 836.5 MHz | 847.5 MHz |      |           |
| 3        | QPSK   | 1             | 0         | 24.7               | 24.8      | 24.7      | 0    | 25.7      | 24.7               | 24.8      | 24.7      | 0    | 25.7      |
|          |        | 1             | 8         | 24.9               | 24.9      | 24.9      | 0    | 25.7      | 24.9               | 24.9      | 24.9      | 0    | 25.7      |
|          |        | 1             | 14        | 24.7               | 24.7      | 24.7      | 0    | 25.7      | 24.7               | 24.7      | 24.7      | 0    | 25.7      |
|          |        | 8             | 0         | 24.3               | 24.3      | 24.3      | 1    | 24.7      | 24.3               | 24.3      | 24.3      | 1    | 24.7      |
|          |        | 8             | 4         | 24.4               | 24.3      | 24.3      | 1    | 24.7      | 24.4               | 24.3      | 24.3      | 1    | 24.7      |
|          |        | 8             | 7         | 24.3               | 24.3      | 24.3      | 1    | 24.7      | 24.3               | 24.3      | 24.3      | 1    | 24.7      |
|          | 16QAM  | 15            | 0         | 24.3               | 24.3      | 24.3      | 1    | 24.7      | 24.3               | 24.3      | 24.3      | 1    | 24.7      |
|          |        | 1             | 0         | 24.0               | 24.0      | 23.9      | 1    | 24.7      | 24.0               | 24.0      | 23.9      | 1    | 24.7      |
|          |        | 1             | 8         | 24.2               | 24.1      | 24.2      | 1    | 24.7      | 24.2               | 24.1      | 24.2      | 1    | 24.7      |
|          |        | 1             | 14        | 24.1               | 23.9      | 24.0      | 1    | 24.7      | 24.1               | 23.9      | 24.0      | 1    | 24.7      |
|          |        | 8             | 0         | 23.3               | 23.2      | 23.3      | 2    | 23.7      | 23.3               | 23.2      | 23.3      | 2    | 23.7      |
|          |        | 8             | 4         | 23.3               | 23.2      | 23.3      | 2    | 23.7      | 23.3               | 23.2      | 23.3      | 2    | 23.7      |
|          | 64QAM  | 8             | 7         | 23.4               | 23.2      | 23.3      | 2    | 23.7      | 23.4               | 23.2      | 23.3      | 2    | 23.7      |
|          |        | 15            | 0         | 23.3               | 23.2      | 23.3      | 2    | 23.7      | 23.3               | 23.2      | 23.3      | 2    | 23.7      |
|          |        | 1             | 0         | 22.9               | 22.8      | 22.9      | 2    | 23.7      | 22.9               | 22.8      | 22.9      | 2    | 23.7      |
|          |        | 1             | 8         | 23.1               | 23.0      | 23.1      | 2    | 23.7      | 23.1               | 23.0      | 23.1      | 2    | 23.7      |
|          |        | 1             | 14        | 22.9               | 22.8      | 22.8      | 2    | 23.7      | 22.9               | 22.8      | 22.8      | 2    | 23.7      |
|          |        | 8             | 0         | 22.2               | 22.3      | 22.3      | 3    | 22.7      | 22.2               | 22.3      | 22.3      | 3    | 22.7      |
|          | 256QAM | 8             | 4         | 22.3               | 22.3      | 22.4      | 3    | 22.7      | 22.3               | 22.3      | 22.4      | 3    | 22.7      |
|          |        | 8             | 7         | 22.3               | 22.3      | 22.3      | 3    | 22.7      | 22.3               | 22.3      | 22.3      | 3    | 22.7      |
|          |        | 15            | 0         | 22.2               | 22.3      | 22.3      | 3    | 22.7      | 22.2               | 22.3      | 22.3      | 3    | 22.7      |
|          |        | 1             | 0         | 19.8               | 19.8      | 19.9      | 5    | 20.7      | 19.8               | 19.8      | 19.9      | 5    | 20.7      |
|          |        | 1             | 8         | 20.0               | 19.9      | 20.1      | 5    | 20.7      | 20.0               | 19.9      | 20.1      | 5    | 20.7      |
|          |        | 1             | 14        | 19.9               | 19.7      | 19.8      | 5    | 20.7      | 19.9               | 19.7      | 19.8      | 5    | 20.7      |
| 1.4      | QPSK   | 8             | 0         | 20.2               | 20.3      | 20.3      | 5    | 20.7      | 20.2               | 20.3      | 20.3      | 5    | 20.7      |
|          |        | 8             | 4         | 20.3               | 20.3      | 20.3      | 5    | 20.7      | 20.3               | 20.3      | 20.3      | 5    | 20.7      |
|          |        | 8             | 7         | 20.3               | 20.3      | 20.3      | 5    | 20.7      | 20.3               | 20.3      | 20.3      | 5    | 20.7      |
|          |        | 15            | 0         | 20.2               | 20.3      | 20.3      | 5    | 20.7      | 20.2               | 20.3      | 20.3      | 5    | 20.7      |
|          |        | 1             | 0         | 24.7               | 24.7      | 24.7      | 0    | 25.7      | 24.7               | 24.7      | 24.7      | 0    | 25.7      |
|          |        | 1             | 3         | 24.9               | 24.9      | 24.9      | 0    | 25.7      | 24.9               | 24.9      | 24.9      | 0    | 25.7      |
|          | 16QAM  | 1             | 5         | 24.7               | 24.7      | 24.7      | 0    | 25.7      | 24.7               | 24.7      | 24.7      | 0    | 25.7      |
|          |        | 3             | 0         | 25.2               | 25.2      | 25.3      | 0    | 25.7      | 25.2               | 25.2      | 25.3      | 0    | 25.7      |
|          |        | 3             | 1         | 25.3               | 25.3      | 25.3      | 0    | 25.7      | 25.3               | 25.3      | 25.3      | 0    | 25.7      |
|          |        | 3             | 3         | 25.3               | 25.3      | 25.3      | 0    | 25.7      | 25.3               | 25.3      | 25.3      | 0    | 25.7      |
|          |        | 6             | 0         | 24.3               | 24.3      | 24.3      | 1    | 24.7      | 24.3               | 24.3      | 24.3      | 1    | 24.7      |
|          |        | 1             | 0         | 24.0               | 24.0      | 24.1      | 1    | 24.7      | 24.0               | 24.0      | 24.1      | 1    | 24.7      |
| 64QAM    | 1      | 3             | 24.2      | 24.1               | 24.2      | 1         | 24.7 | 24.2      | 24.1               | 24.2      | 1         | 24.7 |           |
|          | 1      | 5             | 24.0      | 23.9               | 24.0      | 1         | 24.7 | 24.0      | 23.9               | 24.0      | 1         | 24.7 |           |
|          | 3      | 0             | 24.4      | 24.4               | 24.4      | 1         | 24.7 | 24.4      | 24.4               | 24.4      | 1         | 24.7 |           |
|          | 3      | 1             | 24.5      | 24.5               | 24.4      | 1         | 24.7 | 24.5      | 24.5               | 24.4      | 1         | 24.7 |           |
|          | 3      | 3             | 24.4      | 24.4               | 24.5      | 1         | 24.7 | 24.4      | 24.4               | 24.5      | 1         | 24.7 |           |
|          | 6      | 0             | 23.3      | 23.2               | 23.3      | 2         | 23.7 | 23.3      | 23.2               | 23.3      | 2         | 23.7 |           |
| 256QAM   | 1      | 0             | 22.8      | 22.8               | 22.9      | 2         | 23.7 | 22.8      | 22.8               | 22.9      | 2         | 23.7 |           |
|          | 1      | 3             | 23.0      | 23.0               | 23.1      | 2         | 23.7 | 23.0      | 23.0               | 23.1      | 2         | 23.7 |           |
|          | 1      | 5             | 22.9      | 22.8               | 22.8      | 2         | 23.7 | 22.9      | 22.8               | 22.8      | 2         | 23.7 |           |
|          | 3      | 0             | 23.3      | 23.3               | 23.3      | 2         | 23.7 | 23.3      | 23.3               | 23.3      | 2         | 23.7 |           |
|          | 3      | 1             | 23.4      | 23.3               | 23.4      | 2         | 23.7 | 23.4      | 23.3               | 23.4      | 2         | 23.7 |           |
|          | 3      | 3             | 23.4      | 23.3               | 23.4      | 2         | 23.7 | 23.4      | 23.3               | 23.4      | 2         | 23.7 |           |
| QPSK     | 6      | 0             | 22.3      | 22.2               | 22.2      | 3         | 22.7 | 22.3      | 22.2               | 22.2      | 3         | 22.7 |           |
|          | 1      | 0             | 19.8      | 19.7               | 19.8      | 5         | 20.7 | 19.8      | 19.7               | 19.8      | 5         | 20.7 |           |
|          | 1      | 3             | 20.0      | 19.9               | 20.1      | 5         | 20.7 | 20.0      | 19.9               | 20.1      | 5         | 20.7 |           |
|          | 1      | 5             | 19.8      | 19.7               | 19.8      | 5         | 20.7 | 19.8      | 19.7               | 19.8      | 5         | 20.7 |           |
|          | 3      | 0             | 20.3      | 20.2               | 20.4      | 5         | 20.7 | 20.3      | 20.2               | 20.4      | 5         | 20.7 |           |
|          | 3      | 1             | 20.4      | 20.2               | 20.4      | 5         | 20.7 | 20.4      | 20.2               | 20.4      | 5         | 20.7 |           |
| 16QAM    | 3      | 3             | 20.4      | 20.3               | 20.4      | 5         | 20.7 | 20.4      | 20.3               | 20.4      | 5         | 20.7 |           |
|          | 6      | 0             | 20.3      | 20.2               | 20.2      | 5         | 20.7 | 20.3      | 20.2               | 20.2      | 5         | 20.7 |           |

**LTE Band 5 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |           |           |           |           | Mode B Power (dBm) |           |           |      |           |
|----------|--------|---------------|-----------|--------------------|-----------|-----------|-----------|-----------|--------------------|-----------|-----------|------|-----------|
|          |        |               |           | 20525              |           |           | MPR       | Max Power | 20525              |           |           | MPR  | Max Power |
|          |        |               |           | 826.5 MHz          | 836.5 MHz | 846.5 MHz |           |           | 826.5 MHz          | 836.5 MHz | 846.5 MHz |      |           |
| 10       | QPSK   | 1             | 0         | 22.9               |           |           | 0         | 23.5      | 23.9               |           |           | 0    | 24.7      |
|          |        | 1             | 25        | 22.9               |           |           | 0         | 23.5      | 23.9               |           |           | 0    | 24.7      |
|          |        | 1             | 49        | 22.9               |           |           | 0         | 23.5      | 23.8               |           |           | 0    | 24.7      |
|          |        | 25            | 0         | 22.9               |           |           | 0         | 23.5      | 23.4               |           |           | 1    | 23.7      |
|          |        | 25            | 12        | 22.9               |           |           | 0         | 23.5      | 23.5               |           |           | 1    | 23.7      |
|          |        | 25            | 25        | 22.9               |           |           | 0         | 23.5      | 23.4               |           |           | 1    | 23.7      |
|          | 16QAM  | 50            | 0         | 23.0               |           |           | 0         | 23.5      | 23.5               |           |           | 1    | 23.7      |
|          |        | 1             | 0         | 23.1               |           |           | 0         | 23.5      | 23.1               |           |           | 1    | 23.7      |
|          |        | 1             | 25        | 23.1               |           |           | 0         | 23.5      | 23.2               |           |           | 1    | 23.7      |
|          |        | 1             | 49        | 23.1               |           |           | 0         | 23.5      | 23.2               |           |           | 1    | 23.7      |
|          |        | 25            | 0         | 22.1               |           |           | 0.8       | 22.7      | 22.3               |           |           | 2    | 22.7      |
|          |        | 25            | 12        | 22.2               |           |           | 0.8       | 22.7      | 22.4               |           |           | 2    | 22.7      |
|          | 64QAM  | 25            | 25        | 22.2               |           |           | 0.8       | 22.7      | 22.3               |           |           | 2    | 22.7      |
|          |        | 50            | 0         | 22.2               |           |           | 0.8       | 22.7      | 22.4               |           |           | 2    | 22.7      |
|          |        | 1             | 0         | 22.0               |           |           | 0.8       | 22.7      | 22.1               |           |           | 2    | 22.7      |
|          |        | 1             | 25        | 22.0               |           |           | 0.8       | 22.7      | 22.1               |           |           | 2    | 22.7      |
|          |        | 1             | 49        | 22.1               |           |           | 0.8       | 22.7      | 22.1               |           |           | 2    | 22.7      |
|          |        | 25            | 0         | 21.3               |           |           | 1.8       | 21.7      | 21.4               |           |           | 3    | 21.7      |
|          | 256QAM | 25            | 12        | 21.4               |           |           | 1.8       | 21.7      | 21.4               |           |           | 3    | 21.7      |
|          |        | 25            | 25        | 21.3               |           |           | 1.8       | 21.7      | 21.3               |           |           | 3    | 21.7      |
| 50       |        | 0             | 21.4      |                    |           | 1.8       | 21.7      | 21.5      |                    |           | 3         | 21.7 |           |
| 1        |        | 0             | 19.0      |                    |           | 3.8       | 19.7      | 19.1      |                    |           | 5         | 19.7 |           |
| 1        |        | 25            | 19.1      |                    |           | 3.8       | 19.7      | 19.0      |                    |           | 5         | 19.7 |           |
| 1        |        | 49            | 19.1      |                    |           | 3.8       | 19.7      | 19.1      |                    |           | 5         | 19.7 |           |
| 5        | QPSK   | 25            | 0         | 19.3               |           |           | 3.8       | 19.7      | 19.4               |           |           | 5    | 19.7      |
|          |        | 25            | 12        | 19.4               |           |           | 3.8       | 19.7      | 19.4               |           |           | 5    | 19.7      |
|          |        | 25            | 25        | 19.3               |           |           | 3.8       | 19.7      | 19.3               |           |           | 5    | 19.7      |
|          |        | 50            | 0         | 19.4               |           |           | 3.8       | 19.7      | 19.5               |           |           | 5    | 19.7      |
|          |        | 20425         | 20525     | 20625              | MPR       | Max Power | 20425     | 20525     | 20625              | MPR       | Max Power |      |           |
|          |        | 826.5 MHz     | 836.5 MHz | 846.5 MHz          |           |           | 826.5 MHz | 836.5 MHz | 846.5 MHz          |           |           |      |           |
|          | QPSK   | 1             | 0         | 22.8               | 22.7      | 22.7      | 0         | 23.5      | 24.0               | 23.9      | 23.9      | 0    | 24.7      |
|          |        | 1             | 12        | 22.7               | 22.8      | 22.7      | 0         | 23.5      | 23.9               | 23.9      | 23.9      | 0    | 24.7      |
|          |        | 1             | 24        | 22.7               | 22.8      | 22.7      | 0         | 23.5      | 23.9               | 23.9      | 23.9      | 0    | 24.7      |
|          |        | 12            | 0         | 22.8               | 22.8      | 22.7      | 0         | 23.5      | 23.4               | 23.5      | 23.4      | 1    | 23.7      |
|          |        | 12            | 7         | 22.7               | 22.8      | 22.7      | 0         | 23.5      | 23.4               | 23.5      | 23.4      | 1    | 23.7      |
|          |        | 12            | 13        | 22.7               | 22.7      | 22.7      | 0         | 23.5      | 23.4               | 23.5      | 23.4      | 1    | 23.7      |
|          | 16QAM  | 25            | 0         | 22.7               | 22.8      | 22.6      | 0         | 23.5      | 23.4               | 23.5      | 23.4      | 1    | 23.7      |
|          |        | 1             | 0         | 23.0               | 23.0      | 23.0      | 0         | 23.5      | 23.2               | 23.3      | 23.3      | 1    | 23.7      |
|          |        | 1             | 12        | 22.9               | 23.0      | 23.1      | 0         | 23.5      | 23.2               | 23.3      | 23.3      | 1    | 23.7      |
|          |        | 1             | 24        | 23.0               | 23.0      | 23.1      | 0         | 23.5      | 23.2               | 23.3      | 23.3      | 1    | 23.7      |
|          |        | 12            | 0         | 22.3               | 22.2      | 22.1      | 0.8       | 22.7      | 22.4               | 22.4      | 22.4      | 2    | 22.7      |
|          |        | 12            | 7         | 22.2               | 22.2      | 22.1      | 0.8       | 22.7      | 22.4               | 22.4      | 22.4      | 2    | 22.7      |
|          | 64QAM  | 12            | 13        | 22.2               | 22.2      | 22.1      | 0.8       | 22.7      | 22.4               | 22.4      | 22.4      | 2    | 22.7      |
|          |        | 25            | 0         | 22.1               | 22.2      | 22.1      | 0.8       | 22.7      | 22.4               | 22.4      | 22.3      | 2    | 22.7      |
| 1        |        | 0             | 22.3      | 22.1               | 22.2      | 0.8       | 22.7      | 22.2      | 22.1               | 22.2      | 2         | 22.7 |           |
| 1        |        | 12            | 22.2      | 22.1               | 22.1      | 0.8       | 22.7      | 22.1      | 22.1               | 22.1      | 2         | 22.7 |           |
| 1        |        | 24            | 22.2      | 22.2               | 22.1      | 0.8       | 22.7      | 22.1      | 22.1               | 22.1      | 2         | 22.7 |           |
| 12       |        | 0             | 21.3      | 21.2               | 21.1      | 1.8       | 21.7      | 21.4      | 21.4               | 21.4      | 3         | 21.7 |           |
| 256QAM   | 12     | 7             | 21.2      | 21.2               | 21.1      | 1.8       | 21.7      | 21.4      | 21.4               | 21.4      | 3         | 21.7 |           |
|          | 12     | 13            | 21.2      | 21.2               | 21.2      | 1.8       | 21.7      | 21.4      | 21.4               | 21.5      | 3         | 21.7 |           |
|          | 25     | 0             | 21.2      | 21.2               | 21.1      | 1.8       | 21.7      | 21.4      | 21.4               | 21.4      | 3         | 21.7 |           |
|          | 1      | 0             | 19.0      | 19.0               | 19.0      | 3.8       | 19.7      | 19.1      | 19.0               | 19.2      | 5         | 19.7 |           |
|          | 1      | 12            | 19.0      | 19.0               | 19.0      | 3.8       | 19.7      | 19.1      | 19.1               | 19.1      | 5         | 19.7 |           |
|          | 1      | 24            | 19.0      | 19.0               | 19.0      | 3.8       | 19.7      | 19.0      | 19.0               | 19.1      | 5         | 19.7 |           |
| 256QAM   | 12     | 0             | 19.4      | 19.4               | 19.3      | 3.8       | 19.7      | 19.4      | 19.4               | 19.4      | 5         | 19.7 |           |
|          | 12     | 7             | 19.4      | 19.4               | 19.3      | 3.8       | 19.7      | 19.4      | 19.4               | 19.4      | 5         | 19.7 |           |
|          | 12     | 13            | 19.3      | 19.4               | 19.4      | 3.8       | 19.7      | 19.4      | 19.4               | 19.5      | 5         | 19.7 |           |
|          | 25     | 0             | 19.4      | 19.4               | 19.3      | 3.8       | 19.7      | 19.4      | 19.4               | 19.4      | 5         | 19.7 |           |

**LTE Band 5 Measured Results (ANT2, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |           |           |      |           | Mode B Power (dBm) |           |           |      |           |
|----------|--------|---------------|-----------|--------------------|-----------|-----------|------|-----------|--------------------|-----------|-----------|------|-----------|
|          |        |               |           | 20415              | 20525     | 20635     | MPR  | Max Power | 20415              | 20525     | 20635     | MPR  | Max Power |
|          |        |               |           | 825.5 MHz          | 836.5 MHz | 847.5 MHz |      |           | 825.5 MHz          | 836.5 MHz | 847.5 MHz |      |           |
| 3        | QPSK   | 1             | 0         | 22.7               | 22.6      | 22.5      | 0    | 23.5      | 23.4               | 23.5      | 23.4      | 0    | 24.7      |
|          |        | 1             | 8         | 22.8               | 22.8      | 22.8      | 0    | 23.5      | 23.5               | 23.6      | 23.6      | 0    | 24.7      |
|          |        | 1             | 14        | 22.6               | 22.6      | 22.6      | 0    | 23.5      | 23.3               | 23.3      | 23.4      | 0    | 24.7      |
|          |        | 8             | 0         | 22.7               | 22.7      | 22.7      | 0    | 23.5      | 22.9               | 22.9      | 22.9      | 1    | 23.7      |
|          |        | 8             | 4         | 22.7               | 22.7      | 22.7      | 0    | 23.5      | 22.9               | 23.0      | 23.0      | 1    | 23.7      |
|          |        | 8             | 7         | 22.7               | 22.7      | 22.7      | 0    | 23.5      | 22.9               | 23.0      | 23.0      | 1    | 23.7      |
|          | 16QAM  | 15            | 0         | 22.7               | 22.7      | 22.6      | 0    | 23.5      | 22.9               | 22.9      | 23.0      | 1    | 23.7      |
|          |        | 1             | 0         | 22.9               | 22.9      | 22.8      | 0    | 23.5      | 22.7               | 22.6      | 22.6      | 1    | 23.7      |
|          |        | 1             | 8         | 23.1               | 23.1      | 23.0      | 0    | 23.5      | 22.9               | 22.8      | 22.8      | 1    | 23.7      |
|          |        | 1             | 14        | 22.7               | 22.9      | 22.8      | 0    | 23.5      | 22.6               | 22.5      | 22.6      | 1    | 23.7      |
|          |        | 8             | 0         | 22.1               | 22.1      | 22.1      | 0.8  | 22.7      | 21.9               | 21.9      | 22.0      | 2    | 22.7      |
|          |        | 8             | 4         | 22.2               | 22.2      | 22.2      | 0.8  | 22.7      | 21.9               | 22.0      | 22.0      | 2    | 22.7      |
|          | 64QAM  | 8             | 7         | 22.1               | 22.2      | 22.1      | 0.8  | 22.7      | 21.9               | 22.0      | 22.0      | 2    | 22.7      |
|          |        | 15            | 0         | 22.1               | 22.1      | 22.1      | 0.8  | 22.7      | 21.8               | 21.9      | 21.9      | 2    | 22.7      |
|          |        | 1             | 0         | 21.9               | 21.9      | 21.8      | 0.8  | 22.7      | 21.5               | 21.6      | 21.5      | 2    | 22.7      |
|          |        | 1             | 8         | 22.1               | 22.1      | 21.9      | 0.8  | 22.7      | 21.7               | 21.7      | 21.7      | 2    | 22.7      |
|          |        | 1             | 14        | 21.8               | 22.0      | 21.7      | 0.8  | 22.7      | 21.4               | 21.5      | 21.4      | 2    | 22.7      |
|          |        | 8             | 0         | 21.2               | 21.2      | 21.1      | 1.8  | 21.7      | 20.9               | 20.9      | 21.0      | 3    | 21.7      |
|          | 256QAM | 8             | 4         | 21.3               | 21.2      | 21.1      | 1.8  | 21.7      | 20.9               | 21.0      | 21.0      | 3    | 21.7      |
|          |        | 8             | 7         | 21.2               | 21.2      | 21.1      | 1.8  | 21.7      | 20.9               | 21.0      | 21.0      | 3    | 21.7      |
|          |        | 15            | 0         | 21.2               | 21.1      | 21.0      | 1.8  | 21.7      | 20.9               | 21.0      | 20.9      | 3    | 21.7      |
|          |        | 1             | 0         | 18.6               | 18.4      | 18.5      | 3.8  | 19.7      | 18.4               | 18.5      | 18.5      | 5    | 19.7      |
|          |        | 1             | 8         | 18.8               | 18.6      | 18.7      | 3.8  | 19.7      | 18.6               | 18.6      | 18.7      | 5    | 19.7      |
|          |        | 1             | 14        | 18.5               | 18.4      | 18.4      | 3.8  | 19.7      | 18.4               | 18.4      | 18.4      | 5    | 19.7      |
| 1.4      | QPSK   | 8             | 0         | 18.9               | 18.9      | 19.0      | 3.8  | 19.7      | 18.9               | 18.9      | 18.9      | 5    | 19.7      |
|          |        | 8             | 4         | 18.9               | 19.0      | 19.0      | 3.8  | 19.7      | 18.9               | 18.9      | 19.0      | 5    | 19.7      |
|          |        | 8             | 7         | 18.9               | 18.9      | 18.9      | 3.8  | 19.7      | 19.0               | 19.0      | 18.9      | 5    | 19.7      |
|          |        | 15            | 0         | 18.9               | 18.9      | 18.9      | 3.8  | 19.7      | 18.9               | 19.0      | 18.9      | 5    | 19.7      |
|          |        | 1             | 0         | 22.6               | 22.5      | 22.5      | 0    | 23.5      | 23.3               | 23.4      | 23.4      | 0    | 24.7      |
|          |        | 1             | 3         | 22.7               | 22.7      | 22.7      | 0    | 23.5      | 23.5               | 23.6      | 23.5      | 0    | 24.7      |
|          | 16QAM  | 1             | 5         | 22.6               | 22.5      | 22.5      | 0    | 23.5      | 23.3               | 23.4      | 23.3      | 0    | 24.7      |
|          |        | 3             | 0         | 22.7               | 22.6      | 22.6      | 0    | 23.5      | 23.8               | 24.0      | 23.9      | 0    | 24.7      |
|          |        | 3             | 1         | 22.7               | 22.6      | 22.6      | 0    | 23.5      | 23.9               | 24.0      | 23.9      | 0    | 24.7      |
|          |        | 3             | 3         | 22.7               | 22.6      | 22.6      | 0    | 23.5      | 23.9               | 24.0      | 23.9      | 0    | 24.7      |
|          |        | 6             | 0         | 22.7               | 22.6      | 22.5      | 0    | 23.5      | 22.9               | 23.0      | 22.9      | 1    | 23.7      |
|          |        | 1             | 0         | 22.9               | 22.8      | 22.8      | 0    | 23.5      | 22.5               | 22.7      | 22.6      | 1    | 23.7      |
| 64QAM    | 1      | 3             | 23.1      | 22.9               | 22.9      | 0         | 23.5 | 22.7      | 22.9               | 22.8      | 1         | 23.7 |           |
|          | 1      | 5             | 23.0      | 22.8               | 22.7      | 0         | 23.5 | 22.5      | 22.6               | 22.6      | 1         | 23.7 |           |
|          | 3      | 0             | 22.8      | 22.7               | 22.7      | 0         | 23.5 | 23.0      | 23.0               | 23.1      | 1         | 23.7 |           |
|          | 3      | 1             | 22.8      | 22.7               | 22.7      | 0         | 23.5 | 23.1      | 23.1               | 23.1      | 1         | 23.7 |           |
|          | 3      | 3             | 22.9      | 22.7               | 22.7      | 0         | 23.5 | 23.1      | 23.1               | 23.1      | 1         | 23.7 |           |
|          | 6      | 0             | 22.3      | 22.2               | 22.0      | 0.8       | 22.7 | 22.0      | 21.9               | 21.9      | 2         | 22.7 |           |
| 256QAM   | 1      | 0             | 22.1      | 22.0               | 22.0      | 0.8       | 22.7 | 21.5      | 21.6               | 21.5      | 2         | 22.7 |           |
|          | 1      | 3             | 22.3      | 22.2               | 22.1      | 0.8       | 22.7 | 21.7      | 21.7               | 21.7      | 2         | 22.7 |           |
|          | 1      | 5             | 22.0      | 22.0               | 21.8      | 0.8       | 22.7 | 21.5      | 21.6               | 21.5      | 2         | 22.7 |           |
|          | 3      | 0             | 22.3      | 22.2               | 22.2      | 0.8       | 22.7 | 21.9      | 22.0               | 22.0      | 2         | 22.7 |           |
|          | 3      | 1             | 22.4      | 22.2               | 22.2      | 0.8       | 22.7 | 22.0      | 22.1               | 22.0      | 2         | 22.7 |           |
|          | 3      | 3             | 22.4      | 22.3               | 22.2      | 0.8       | 22.7 | 22.0      | 22.0               | 22.0      | 2         | 22.7 |           |
| 256QAM   | 6      | 0             | 21.2      | 21.1               | 21.0      | 1.8       | 21.7 | 20.9      | 20.9               | 20.9      | 3         | 21.7 |           |
|          | 1      | 0             | 18.9      | 18.8               | 18.8      | 3.8       | 19.7 | 18.4      | 18.6               | 18.5      | 5         | 19.7 |           |
|          | 1      | 3             | 19.1      | 19.0               | 19.1      | 3.8       | 19.7 | 18.6      | 18.7               | 18.6      | 5         | 19.7 |           |
|          | 1      | 5             | 18.9      | 18.8               | 18.9      | 3.8       | 19.7 | 18.4      | 18.6               | 18.4      | 5         | 19.7 |           |
|          | 3      | 0             | 19.2      | 19.2               | 19.2      | 3.8       | 19.7 | 18.9      | 19.0               | 18.9      | 5         | 19.7 |           |
|          | 3      | 1             | 19.3      | 19.2               | 19.3      | 3.8       | 19.7 | 19.0      | 19.1               | 19.0      | 5         | 19.7 |           |
| 256QAM   | 3      | 3             | 19.3      | 19.3               | 19.3      | 3.8       | 19.7 | 19.0      | 19.1               | 19.0      | 5         | 19.7 |           |
|          | 6      | 0             | 19.2      | 19.1               | 19.1      | 3.8       | 19.7 | 18.9      | 19.0               | 18.9      | 5         | 19.7 |           |

**LTE Band 7 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |          |     |           | Mode B Power (dBm) |          |          |     |           |
|----------|--------|---------------|-----------|--------------------|----------|----------|-----|-----------|--------------------|----------|----------|-----|-----------|
|          |        |               |           | 20850              | 21100    | 21350    | MPR | Max Power | 20850              | 21100    | 21350    | MPR | Max Power |
|          |        |               |           | 2510 MHz           | 2535 MHz | 2560 MHz |     |           | 2510 MHz           | 2535 MHz | 2560 MHz |     |           |
| 20       | QPSK   | 1             | 0         | 24.9               | 24.9     | 25.0     | 0   | 25.7      | 19.2               | 19.1     | 19.2     | 0   | 21.0      |
|          |        | 1             | 49        | 25.0               | 25.0     | 25.2     | 0   | 25.7      | 19.5               | 19.4     | 19.4     | 0   | 21.0      |
|          |        | 1             | 99        | 24.9               | 24.9     | 25.1     | 0   | 25.7      | 19.2               | 19.2     | 19.3     | 0   | 21.0      |
|          |        | 50            | 0         | 24.4               | 24.4     | 24.5     | 1   | 24.7      | 19.4               | 19.5     | 19.5     | 0   | 21.0      |
|          |        | 50            | 24        | 24.4               | 24.4     | 24.5     | 1   | 24.7      | 19.5               | 19.4     | 19.5     | 0   | 21.0      |
|          |        | 50            | 50        | 24.4               | 24.3     | 24.5     | 1   | 24.7      | 19.5               | 19.4     | 19.5     | 0   | 21.0      |
|          | 16QAM  | 100           | 0         | 24.4               | 24.4     | 24.6     | 1   | 24.7      | 19.6               | 19.5     | 19.5     | 0   | 21.0      |
|          |        | 1             | 0         | 23.7               | 23.9     | 23.7     | 1   | 24.7      | 20.0               | 20.1     | 20.0     | 0   | 21.0      |
|          |        | 1             | 49        | 23.9               | 23.9     | 24.0     | 1   | 24.7      | 20.3               | 20.2     | 20.3     | 0   | 21.0      |
|          |        | 1             | 99        | 23.8               | 23.6     | 23.8     | 1   | 24.7      | 20.1               | 20.1     | 20.2     | 0   | 21.0      |
|          |        | 50            | 0         | 23.1               | 22.9     | 23.1     | 2   | 23.7      | 20.0               | 19.9     | 20.0     | 0   | 21.0      |
|          |        | 50            | 24        | 23.1               | 23.0     | 23.1     | 2   | 23.7      | 20.0               | 19.9     | 20.0     | 0   | 21.0      |
|          | 64QAM  | 50            | 50        | 23.1               | 23.0     | 23.2     | 2   | 23.7      | 20.0               | 19.9     | 20.1     | 0   | 21.0      |
|          |        | 1             | 0         | 22.5               | 22.8     | 22.6     | 2   | 23.7      | 19.9               | 20.1     | 19.9     | 0   | 21.0      |
|          |        | 1             | 49        | 22.9               | 22.9     | 22.9     | 2   | 23.7      | 20.1               | 20.2     | 20.1     | 0   | 21.0      |
|          |        | 1             | 99        | 22.8               | 22.8     | 22.8     | 2   | 23.7      | 20.0               | 19.9     | 20.2     | 0   | 21.0      |
|          |        | 50            | 0         | 22.1               | 22.0     | 22.2     | 3   | 22.7      | 19.9               | 19.8     | 20.0     | 0   | 21.0      |
|          |        | 50            | 24        | 22.1               | 22.0     | 22.2     | 3   | 22.7      | 19.9               | 19.8     | 20.0     | 0   | 21.0      |
|          | 256QAM | 50            | 50        | 22.1               | 22.0     | 22.2     | 3   | 22.7      | 19.9               | 19.8     | 20.1     | 0   | 21.0      |
|          |        | 100           | 0         | 22.2               | 22.1     | 22.2     | 3   | 22.7      | 20.0               | 19.8     | 20.0     | 0   | 21.0      |
|          |        | 1             | 0         | 19.7               | 19.6     | 19.5     | 5   | 20.7      | 19.7               | 19.7     | 19.6     | 0.3 | 20.7      |
|          |        | 1             | 49        | 20.0               | 19.7     | 19.9     | 5   | 20.7      | 20.0               | 19.7     | 19.7     | 0.3 | 20.7      |
|          |        | 1             | 99        | 19.8               | 19.6     | 19.6     | 5   | 20.7      | 19.7               | 19.6     | 19.7     | 0.3 | 20.7      |
|          |        | 50            | 0         | 20.1               | 20.0     | 20.1     | 5   | 20.7      | 19.9               | 19.8     | 20.0     | 0.3 | 20.7      |
| 15       | QPSK   | 50            | 24        | 20.1               | 20.0     | 20.2     | 5   | 20.7      | 19.9               | 19.8     | 20.0     | 0.3 | 20.7      |
|          |        | 50            | 50        | 20.1               | 20.0     | 20.2     | 5   | 20.7      | 20.0               | 19.8     | 20.1     | 0.3 | 20.7      |
|          |        | 100           | 0         | 20.1               | 20.1     | 20.2     | 5   | 20.7      | 20.0               | 19.9     | 20.1     | 0.3 | 20.7      |
|          |        | 1             | 0         | 24.5               | 24.4     | 24.7     | 0   | 25.7      | 19.9               | 19.9     | 20.0     | 0   | 21.0      |
|          |        | 1             | 37        | 24.6               | 24.5     | 24.7     | 0   | 25.7      | 20.0               | 19.9     | 20.1     | 0   | 21.0      |
|          |        | 1             | 74        | 24.6               | 24.4     | 24.8     | 0   | 25.7      | 20.0               | 19.9     | 20.0     | 0   | 21.0      |
|          | 16QAM  | 36            | 0         | 24.1               | 24.0     | 24.2     | 1   | 24.7      | 19.9               | 19.9     | 20.0     | 0   | 21.0      |
|          |        | 36            | 20        | 24.2               | 24.0     | 24.2     | 1   | 24.7      | 20.0               | 19.9     | 20.1     | 0   | 21.0      |
|          |        | 36            | 39        | 24.2               | 24.0     | 24.2     | 1   | 24.7      | 20.0               | 19.9     | 20.1     | 0   | 21.0      |
|          |        | 75            | 0         | 24.2               | 24.0     | 24.2     | 1   | 24.7      | 20.0               | 19.9     | 20.1     | 0   | 21.0      |
|          |        | 1             | 0         | 23.7               | 23.7     | 23.9     | 1   | 24.7      | 20.1               | 20.2     | 20.4     | 0   | 21.0      |
|          |        | 1             | 37        | 23.9               | 23.8     | 23.9     | 1   | 24.7      | 20.3               | 20.2     | 20.5     | 0   | 21.0      |
|          | 64QAM  | 1             | 74        | 23.7               | 23.7     | 23.9     | 1   | 24.7      | 20.3               | 20.2     | 20.4     | 0   | 21.0      |
|          |        | 36            | 0         | 23.0               | 22.9     | 23.1     | 2   | 23.7      | 19.9               | 19.9     | 20.0     | 0   | 21.0      |
|          |        | 36            | 20        | 23.1               | 22.9     | 23.1     | 2   | 23.7      | 20.0               | 19.9     | 20.1     | 0   | 21.0      |
|          |        | 36            | 39        | 23.1               | 22.9     | 23.1     | 2   | 23.7      | 20.0               | 19.8     | 20.0     | 0   | 21.0      |
|          |        | 75            | 0         | 23.1               | 22.9     | 23.2     | 2   | 23.7      | 20.0               | 19.9     | 20.1     | 0   | 21.0      |
|          |        | 1             | 0         | 22.9               | 22.8     | 22.8     | 2   | 23.7      | 20.2               | 20.0     | 20.1     | 0   | 21.0      |
|          | 256QAM | 1             | 37        | 22.9               | 22.7     | 22.8     | 2   | 23.7      | 20.3               | 20.0     | 20.1     | 0   | 21.0      |
|          |        | 1             | 74        | 23.0               | 22.7     | 22.8     | 2   | 23.7      | 20.2               | 19.9     | 20.1     | 0   | 21.0      |
|          |        | 36            | 0         | 22.1               | 22.0     | 22.2     | 3   | 22.7      | 19.8               | 19.8     | 19.9     | 0   | 21.0      |
|          |        | 36            | 20        | 22.1               | 22.0     | 22.2     | 3   | 22.7      | 19.9               | 19.8     | 20.0     | 0   | 21.0      |
|          |        | 36            | 39        | 22.1               | 22.0     | 22.2     | 3   | 22.7      | 19.9               | 19.8     | 19.9     | 0   | 21.0      |
|          |        | 75            | 0         | 22.1               | 22.1     | 22.3     | 3   | 22.7      | 19.9               | 19.8     | 20.0     | 0   | 21.0      |

**LTE Band 7 Measured Results (ANT1, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |          |          |      |           | Mode B Power (dBm) |          |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|----------|----------|------|-----------|--------------------|----------|----------|------|-----------|------|
|          |        |               |           | 20800              | 21100    | 21400    | MPR  | Max Power | 20800              | 21100    | 21400    | MPR  | Max Power |      |
|          |        |               |           | 2505 MHz           | 2535 MHz | 2565 MHz |      |           | 2505 MHz           | 2535 MHz | 2565 MHz |      |           |      |
| 10       | QPSK   | 1             | 0         | 24.6               | 24.5     | 24.7     | 0    | 25.7      | 19.9               | 19.9     | 20.1     | 0    | 21.0      |      |
|          |        | 1             | 25        | 24.7               | 24.5     | 24.7     | 0    | 25.7      | 20.0               | 19.9     | 20.1     | 0    | 21.0      |      |
|          |        | 1             | 49        | 24.7               | 24.5     | 24.7     | 0    | 25.7      | 20.0               | 19.9     | 20.0     | 0    | 21.0      |      |
|          |        | 25            | 0         | 24.1               | 24.0     | 24.2     | 1    | 24.7      | 20.0               | 19.9     | 20.1     | 0    | 21.0      |      |
|          |        | 25            | 12        | 24.2               | 24.0     | 24.2     | 1    | 24.7      | 20.0               | 19.9     | 20.1     | 0    | 21.0      |      |
|          |        | 25            | 25        | 24.2               | 24.0     | 24.2     | 1    | 24.7      | 20.0               | 19.9     | 20.1     | 0    | 21.0      |      |
|          | 16QAM  | 50            | 0         | 24.2               | 24.1     | 24.3     | 1    | 24.7      | 20.1               | 20.0     | 20.2     | 0    | 21.0      |      |
|          |        | 1             | 0         | 23.7               | 23.8     | 24.0     | 1    | 24.7      | 20.1               | 20.2     | 20.4     | 0    | 21.0      |      |
|          |        | 1             | 25        | 23.9               | 23.8     | 24.0     | 1    | 24.7      | 20.3               | 20.2     | 20.4     | 0    | 21.0      |      |
|          |        | 1             | 49        | 23.9               | 23.8     | 24.0     | 1    | 24.7      | 20.3               | 20.2     | 20.4     | 0    | 21.0      |      |
|          |        | 25            | 0         | 23.0               | 22.9     | 23.2     | 2    | 23.7      | 19.9               | 19.9     | 20.1     | 0    | 21.0      |      |
|          |        | 25            | 12        | 23.1               | 22.9     | 23.2     | 2    | 23.7      | 20.0               | 19.9     | 20.0     | 0    | 21.0      |      |
|          | 64QAM  | 25            | 25        | 23.1               | 22.9     | 23.2     | 2    | 23.7      | 20.0               | 19.9     | 20.0     | 0    | 21.0      |      |
|          |        | 50            | 0         | 23.1               | 22.9     | 23.2     | 2    | 23.7      | 20.1               | 19.9     | 20.1     | 0    | 21.0      |      |
|          |        | 1             | 0         | 22.8               | 22.8     | 22.9     | 2    | 23.7      | 20.1               | 20.0     | 20.2     | 0    | 21.0      |      |
|          |        | 1             | 25        | 22.9               | 22.8     | 22.8     | 2    | 23.7      | 20.2               | 20.1     | 20.2     | 0    | 21.0      |      |
|          |        | 1             | 49        | 23.0               | 22.8     | 22.8     | 2    | 23.7      | 20.3               | 20.1     | 20.1     | 0    | 21.0      |      |
|          |        | 25            | 0         | 22.1               | 22.0     | 22.2     | 3    | 22.7      | 19.9               | 19.9     | 20.0     | 0    | 21.0      |      |
|          | 256QAM | 25            | 12        | 22.1               | 22.1     | 22.2     | 3    | 22.7      | 20.0               | 19.9     | 20.0     | 0    | 21.0      |      |
|          |        | 25            | 25        | 22.2               | 22.0     | 22.2     | 3    | 22.7      | 20.0               | 19.8     | 20.0     | 0    | 21.0      |      |
|          |        | 50            | 0         | 22.2               | 22.1     | 22.2     | 3    | 22.7      | 20.1               | 19.9     | 20.1     | 0    | 21.0      |      |
|          |        | 1             | 0         | 19.7               | 19.8     | 19.8     | 5    | 20.7      | 19.8               | 19.7     | 19.9     | 0.3  | 20.7      |      |
|          |        | 1             | 25        | 19.9               | 19.8     | 19.8     | 5    | 20.7      | 19.9               | 19.7     | 19.9     | 0.3  | 20.7      |      |
|          |        | 1             | 49        | 19.9               | 19.8     | 19.8     | 5    | 20.7      | 20.0               | 19.8     | 19.8     | 0.3  | 20.7      |      |
|          | 5      | QPSK          | 25        | 0                  | 20.0     | 20.1     | 20.2 | 5         | 20.7               | 19.9     | 19.9     | 20.0 | 0.3       | 20.7 |
|          |        |               | 25        | 12                 | 20.1     | 20.1     | 20.1 | 5         | 20.7               | 20.0     | 19.9     | 20.0 | 0.3       | 20.7 |
|          |        |               | 25        | 25                 | 20.1     | 20.0     | 20.2 | 5         | 20.7               | 20.0     | 19.9     | 20.0 | 0.3       | 20.7 |
|          |        |               | 50        | 0                  | 20.2     | 20.1     | 20.2 | 5         | 20.7               | 20.1     | 19.9     | 20.1 | 0.3       | 20.7 |
| 1        |        |               | 0         | 20.7               | 20.7     | 20.7     | 5    | 20.7      | 20.1               | 20.1     | 20.1     | 0.3  | 20.7      |      |
| 1        |        |               | 25        | 20.7               | 20.7     | 20.7     | 5    | 20.7      | 20.1               | 20.1     | 20.1     | 0.3  | 20.7      |      |
| 16QAM    |        | 1             | 0         | 24.5               | 24.5     | 24.7     | 0    | 25.7      | 19.9               | 19.9     | 20.1     | 0    | 21.0      |      |
|          |        | 1             | 12        | 24.5               | 24.5     | 24.7     | 0    | 25.7      | 19.9               | 19.9     | 20.1     | 0    | 21.0      |      |
|          |        | 1             | 24        | 24.5               | 24.4     | 24.7     | 0    | 25.7      | 20.0               | 19.9     | 20.1     | 0    | 21.0      |      |
|          |        | 12            | 0         | 23.9               | 23.9     | 24.2     | 1    | 24.7      | 19.9               | 19.8     | 20.1     | 0    | 21.0      |      |
|          |        | 12            | 7         | 24.0               | 23.9     | 24.2     | 1    | 24.7      | 19.9               | 19.8     | 20.1     | 0    | 21.0      |      |
|          |        | 12            | 13        | 24.0               | 23.9     | 24.2     | 1    | 24.7      | 19.9               | 19.8     | 20.1     | 0    | 21.0      |      |
|          |        | 25            | 0         | 24.1               | 23.9     | 24.2     | 1    | 24.7      | 20.0               | 19.9     | 20.1     | 0    | 21.0      |      |
|          |        | 1             | 0         | 23.9               | 23.7     | 24.0     | 1    | 24.7      | 20.2               | 20.3     | 20.5     | 0    | 21.0      |      |
|          |        | 1             | 12        | 24.0               | 23.7     | 24.0     | 1    | 24.7      | 20.2               | 20.2     | 20.5     | 0    | 21.0      |      |
|          |        | 1             | 24        | 24.0               | 23.7     | 24.0     | 1    | 24.7      | 20.2               | 20.3     | 20.5     | 0    | 21.0      |      |
| 64QAM    |        | 12            | 0         | 22.9               | 22.9     | 23.2     | 2    | 23.7      | 19.8               | 19.8     | 20.1     | 0    | 21.0      |      |
|          |        | 12            | 7         | 23.0               | 22.9     | 23.2     | 2    | 23.7      | 19.9               | 19.8     | 20.1     | 0    | 21.0      |      |
|          |        | 12            | 13        | 23.0               | 22.9     | 23.2     | 2    | 23.7      | 19.9               | 19.9     | 20.1     | 0    | 21.0      |      |
|          |        | 25            | 0         | 23.0               | 22.9     | 23.1     | 2    | 23.7      | 19.8               | 19.8     | 20.1     | 0    | 21.0      |      |
|          |        | 1             | 0         | 22.7               | 22.8     | 22.9     | 2    | 23.7      | 20.1               | 20.1     | 20.3     | 0    | 21.0      |      |
|          |        | 1             | 12        | 22.9               | 22.8     | 22.9     | 2    | 23.7      | 20.2               | 20.1     | 20.2     | 0    | 21.0      |      |
| 256QAM   |        | 1             | 24        | 22.9               | 22.8     | 22.8     | 2    | 23.7      | 20.2               | 20.0     | 20.3     | 0    | 21.0      |      |
|          |        | 12            | 0         | 22.0               | 22.0     | 22.1     | 3    | 22.7      | 19.8               | 19.8     | 20.0     | 0    | 21.0      |      |
|          |        | 12            | 7         | 22.0               | 22.0     | 22.1     | 3    | 22.7      | 19.9               | 19.8     | 20.0     | 0    | 21.0      |      |
|          |        | 12            | 13        | 22.1               | 22.0     | 22.1     | 3    | 22.7      | 19.9               | 19.8     | 20.0     | 0    | 21.0      |      |
|          |        | 25            | 0         | 22.1               | 22.0     | 22.1     | 3    | 22.7      | 19.9               | 19.8     | 20.0     | 0    | 21.0      |      |
|          |        | 1             | 0         | 19.6               | 19.7     | 19.8     | 5    | 20.7      | 19.7               | 19.7     | 19.9     | 0.3  | 20.7      |      |
| 256QAM   | 1      | 12            | 19.7      | 19.7               | 19.8     | 5        | 20.7 | 19.8      | 19.7               | 19.8     | 0.3      | 20.7 |           |      |
|          | 1      | 24            | 19.7      | 19.7               | 19.8     | 5        | 20.7 | 19.8      | 19.7               | 19.8     | 0.3      | 20.7 |           |      |
|          | 12     | 0             | 20.0      | 20.0               | 20.2     | 5        | 20.7 | 19.8      | 19.8               | 20.0     | 0.3      | 20.7 |           |      |
|          | 12     | 7             | 20.0      | 20.0               | 20.2     | 5        | 20.7 | 19.9      | 19.8               | 20.0     | 0.3      | 20.7 |           |      |
|          | 12     | 13            | 20.0      | 20.0               | 20.2     | 5        | 20.7 | 19.9      | 19.8               | 20.0     | 0.3      | 20.7 |           |      |
|          | 25     | 0             | 20.0      | 20.0               | 20.2     | 5        | 20.7 | 19.9      | 19.8               | 20.0     | 0.3      | 20.7 |           |      |

**LTE Band 7 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |          |      |           | Mode B Power (dBm) |          |          |      |           |
|----------|--------|---------------|-----------|--------------------|----------|----------|------|-----------|--------------------|----------|----------|------|-----------|
|          |        |               |           | 20850              | 21100    | 21350    | MPR  | Max Power | 20850              | 21100    | 21350    | MPR  | Max Power |
|          |        |               |           | 2510 MHz           | 2535 MHz | 2560 MHz |      |           | 2510 MHz           | 2535 MHz | 2560 MHz |      |           |
| 20       | QPSK   | 1             | 0         | 16.5               | 16.5     | 16.5     | 0    | 17.8      | 17.4               | 17.2     | 17.5     | 0    | 18.9      |
|          |        | 1             | 49        | 16.8               | 16.5     | 17.0     | 0    | 17.8      | 17.5               | 17.3     | 17.7     | 0    | 18.9      |
|          |        | 1             | 99        | 16.5               | 16.4     | 16.6     | 0    | 17.8      | 17.4               | 17.1     | 17.6     | 0    | 18.9      |
|          |        | 50            | 0         | 16.7               | 16.5     | 17.0     | 0    | 17.8      | 17.6               | 17.4     | 17.8     | 0    | 18.9      |
|          |        | 50            | 24        | 16.7               | 16.5     | 16.6     | 0    | 17.8      | 17.6               | 17.4     | 17.8     | 0    | 18.9      |
|          |        | 50            | 50        | 16.6               | 16.5     | 16.7     | 0    | 17.8      | 17.6               | 17.4     | 17.8     | 0    | 18.9      |
|          | 16QAM  | 100           | 0         | 16.8               | 16.6     | 16.9     | 0    | 17.8      | 17.7               | 17.4     | 17.8     | 0    | 18.9      |
|          |        | 1             | 0         | 15.9               | 16.1     | 16.0     | 0    | 17.8      | 17.8               | 17.8     | 17.8     | 0    | 18.9      |
|          |        | 1             | 49        | 16.1               | 16.1     | 16.2     | 0    | 17.8      | 18.0               | 17.8     | 18.0     | 0    | 18.9      |
|          |        | 1             | 99        | 16.0               | 16.0     | 16.3     | 0    | 17.8      | 17.8               | 17.7     | 17.9     | 0    | 18.9      |
|          |        | 50            | 0         | 16.0               | 16.0     | 16.0     | 0    | 17.8      | 17.6               | 17.4     | 17.8     | 0    | 18.9      |
|          |        | 50            | 24        | 16.0               | 15.9     | 16.0     | 0    | 17.8      | 17.7               | 17.4     | 17.8     | 0    | 18.9      |
|          | 64QAM  | 50            | 50        | 16.0               | 15.9     | 16.1     | 0    | 17.8      | 17.6               | 17.4     | 17.8     | 0    | 18.9      |
|          |        | 100           | 0         | 16.0               | 16.0     | 16.1     | 0    | 17.8      | 17.8               | 17.5     | 17.8     | 0    | 18.9      |
|          |        | 1             | 0         | 15.9               | 16.2     | 16.0     | 0    | 17.8      | 17.8               | 17.5     | 17.8     | 0    | 18.9      |
|          |        | 1             | 49        | 16.2               | 16.2     | 16.3     | 0    | 17.8      | 17.9               | 17.5     | 17.9     | 0    | 18.9      |
|          |        | 1             | 99        | 16.1               | 16.1     | 16.3     | 0    | 17.8      | 17.7               | 17.4     | 17.8     | 0    | 18.9      |
|          |        | 50            | 0         | 16.0               | 16.1     | 16.1     | 0    | 17.8      | 17.6               | 17.4     | 17.7     | 0    | 18.9      |
|          | 256QAM | 50            | 24        | 16.0               | 16.0     | 16.1     | 0    | 17.8      | 17.7               | 17.4     | 17.7     | 0    | 18.9      |
|          |        | 50            | 50        | 16.0               | 16.0     | 16.2     | 0    | 17.8      | 17.7               | 17.4     | 17.7     | 0    | 18.9      |
|          |        | 100           | 0         | 16.1               | 16.1     | 16.1     | 0    | 17.8      | 17.7               | 17.5     | 17.8     | 0    | 18.9      |
|          |        | 1             | 0         | 16.1               | 16.2     | 16.0     | 0    | 17.8      | 17.2               | 17.1     | 17.1     | 0.7  | 18.2      |
|          |        | 1             | 49        | 16.3               | 16.2     | 16.1     | 0    | 17.8      | 17.4               | 17.1     | 17.3     | 0.7  | 18.2      |
|          |        | 1             | 99        | 16.1               | 16.2     | 16.2     | 0    | 17.8      | 17.2               | 17.0     | 17.3     | 0.7  | 18.2      |
| 15       | QPSK   | 50            | 0         | 16.0               | 16.1     | 16.0     | 0    | 17.8      | 17.4               | 17.2     | 17.5     | 0.7  | 18.2      |
|          |        | 50            | 24        | 16.0               | 16.0     | 16.1     | 0    | 17.8      | 17.4               | 17.2     | 17.5     | 0.7  | 18.2      |
|          |        | 50            | 50        | 16.0               | 16.0     | 16.1     | 0    | 17.8      | 17.4               | 17.2     | 17.5     | 0.7  | 18.2      |
|          |        | 100           | 0         | 16.0               | 16.1     | 16.2     | 0    | 17.8      | 17.5               | 17.2     | 17.6     | 0.7  | 18.2      |
|          |        | 1             | 0         | 16.0               | 16.0     | 16.1     | 0    | 17.8      | 17.6               | 17.4     | 17.7     | 0    | 18.9      |
|          |        | 1             | 37        | 16.1               | 16.0     | 16.1     | 0    | 17.8      | 17.6               | 17.4     | 17.7     | 0    | 18.9      |
|          | 16QAM  | 1             | 74        | 16.1               | 16.0     | 16.3     | 0    | 17.8      | 17.6               | 17.4     | 17.7     | 0    | 18.9      |
|          |        | 36            | 0         | 16.0               | 16.1     | 16.1     | 0    | 17.8      | 17.6               | 17.5     | 17.8     | 0    | 18.9      |
|          |        | 36            | 20        | 16.1               | 16.0     | 16.1     | 0    | 17.8      | 17.6               | 17.5     | 17.8     | 0    | 18.9      |
|          |        | 36            | 39        | 16.0               | 16.0     | 16.2     | 0    | 17.8      | 17.7               | 17.5     | 17.8     | 0    | 18.9      |
|          |        | 75            | 0         | 16.0               | 16.0     | 16.1     | 0    | 17.8      | 17.7               | 17.5     | 17.9     | 0    | 18.9      |
|          |        | 1             | 0         | 16.1               | 16.3     | 16.2     | 0    | 17.8      | 17.9               | 17.6     | 18.1     | 0    | 18.9      |
| 64QAM    | 1      | 37            | 16.3      | 16.2               | 16.3     | 0        | 17.8 | 17.9      | 17.6               | 18.2     | 0        | 18.9 |           |
|          | 1      | 74            | 16.2      | 16.1               | 16.4     | 0        | 17.8 | 17.9      | 17.7               | 18.1     | 0        | 18.9 |           |
|          | 36     | 0             | 15.9      | 16.0               | 16.1     | 0        | 17.8 | 17.6      | 17.4               | 17.7     | 0        | 18.9 |           |
|          | 36     | 20            | 16.0      | 16.0               | 16.1     | 0        | 17.8 | 17.6      | 17.4               | 17.7     | 0        | 18.9 |           |
|          | 36     | 39            | 16.0      | 15.9               | 16.1     | 0        | 17.8 | 17.7      | 17.4               | 17.7     | 0        | 18.9 |           |
|          | 75     | 0             | 16.0      | 16.0               | 16.1     | 0        | 17.8 | 17.6      | 17.4               | 17.8     | 0        | 18.9 |           |
| 256QAM   | 1      | 0             | 16.2      | 16.1               | 16.2     | 0        | 17.8 | 17.8      | 17.6               | 17.9     | 0        | 18.9 |           |
|          | 1      | 37            | 16.3      | 16.1               | 16.2     | 0        | 17.8 | 17.8      | 17.6               | 17.9     | 0        | 18.9 |           |
|          | 1      | 74            | 16.3      | 16.1               | 16.3     | 0        | 17.8 | 17.9      | 17.6               | 18.0     | 0        | 18.9 |           |
|          | 36     | 0             | 15.9      | 16.0               | 16.1     | 0        | 17.8 | 17.6      | 17.4               | 17.8     | 0        | 18.9 |           |
|          | 36     | 20            | 16.0      | 16.0               | 16.1     | 0        | 17.8 | 17.6      | 17.4               | 17.8     | 0        | 18.9 |           |
|          | 36     | 39            | 16.0      | 16.0               | 16.2     | 0        | 17.8 | 17.7      | 17.4               | 17.8     | 0        | 18.9 |           |

**LTE Band 7 Measured Results (ANT2, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |          |            |      |           | Mode B Power (dBm) |          |            |      |           |
|----------|--------|---------------|-----------|--------------------|----------|------------|------|-----------|--------------------|----------|------------|------|-----------|
|          |        |               |           | 20800              | 21100    | 21400      | MPR  | Max Power | 20800              | 21100    | 21400      | MPR  | Max Power |
|          |        |               |           | 2505 MHz           | 2535 MHz | 2565 MHz   |      |           | 2505 MHz           | 2535 MHz | 2565 MHz   |      |           |
| 10       | QPSK   | 1             | 0         | 16.0               | 16.1     | 16.1       | 0    | 17.8      | 17.7               | 17.5     | 17.9       | 0    | 18.9      |
|          |        | 1             | 25        | 16.1               | 16.0     | 16.2       | 0    | 17.8      | 17.7               | 17.5     | 17.9       | 0    | 18.9      |
|          |        | 1             | 49        | 16.1               | 16.0     | 16.3       | 0    | 17.8      | 17.7               | 17.4     | 17.9       | 0    | 18.9      |
|          |        | 25            | 0         | 16.0               | 16.1     | 16.2       | 0    | 17.8      | 17.7               | 17.5     | 17.9       | 0    | 18.9      |
|          |        | 25            | 12        | 16.1               | 16.1     | 16.2       | 0    | 17.8      | 17.7               | 17.5     | 17.9       | 0    | 18.9      |
|          |        | 25            | 25        | 16.1               | 16.1     | 16.3       | 0    | 17.8      | 17.7               | 17.5     | 17.9       | 0    | 18.9      |
|          |        | 50            | 0         | 16.2               | 16.1     | 16.3       | 0    | 17.8      | 17.8               | 17.6     | 17.9       | 0    | 18.9      |
|          | 16QAM  | 1             | 0         | 16.2               | 16.3     | 16.3       | 0    | 17.8      | 17.9               | 17.7     | 18.2       | 0    | 18.9      |
|          |        | 1             | 25        | 16.2               | 16.3     | 16.4       | 0    | 17.8      | 17.9               | 17.8     | 18.2       | 0    | 18.9      |
|          |        | 1             | 49        | 16.2               | 16.2     | 16.4       | 0    | 17.8      | 18.0               | 17.7     | 18.1       | 0    | 18.9      |
|          |        | 25            | 0         | 16.0               | 16.0     | 16.0       | 0    | 17.8      | 17.7               | 17.5     | 17.8       | 0    | 18.9      |
|          |        | 25            | 12        | 16.0               | 16.0     | 16.1       | 0    | 17.8      | 17.6               | 17.5     | 17.8       | 0    | 18.9      |
|          |        | 25            | 25        | 16.0               | 16.0     | 16.2       | 0    | 17.8      | 17.6               | 17.5     | 17.8       | 0    | 18.9      |
|          |        | 50            | 0         | 16.1               | 16.1     | 16.2       | 0    | 17.8      | 17.7               | 17.5     | 17.8       | 0    | 18.9      |
|          | 64QAM  | 1             | 0         | 16.2               | 16.2     | 16.3       | 0    | 17.8      | 17.9               | 17.7     | 18.1       | 0    | 18.9      |
|          |        | 1             | 25        | 16.2               | 16.2     | 16.3       | 0    | 17.8      | 17.8               | 17.7     | 18.1       | 0    | 18.9      |
|          |        | 1             | 49        | 16.3               | 16.1     | 16.4       | 0    | 17.8      | 18.0               | 17.7     | 18.1       | 0    | 18.9      |
|          |        | 25            | 0         | 16.0               | 16.0     | 16.1       | 0    | 17.8      | 17.6               | 17.5     | 17.9       | 0    | 18.9      |
|          |        | 25            | 12        | 16.0               | 16.0     | 16.2       | 0    | 17.8      | 17.6               | 17.5     | 17.8       | 0    | 18.9      |
|          |        | 25            | 25        | 16.1               | 16.0     | 16.3       | 0    | 17.8      | 17.7               | 17.5     | 17.8       | 0    | 18.9      |
|          |        | 50            | 0         | 16.1               | 16.1     | 16.2       | 0    | 17.8      | 17.7               | 17.5     | 17.9       | 0    | 18.9      |
|          | 256QAM | 1             | 0         | 16.3               | 16.3     | 16.3       | 0    | 17.8      | 17.2               | 17.0     | 17.4       | 0.7  | 18.2      |
|          |        | 1             | 25        | 16.3               | 16.2     | 16.3       | 0    | 17.8      | 17.2               | 17.0     | 17.4       | 0.7  | 18.2      |
|          |        | 1             | 49        | 16.3               | 16.3     | 16.5       | 0    | 17.8      | 17.3               | 17.0     | 17.5       | 0.7  | 18.2      |
|          |        | 25            | 0         | 16.0               | 16.0     | 16.1       | 0    | 17.8      | 17.4               | 17.2     | 17.6       | 0.7  | 18.2      |
| 25       |        | 12            | 16.1      | 16.0               | 16.2     | 0          | 17.8 | 17.3      | 17.2               | 17.6     | 0.7        | 18.2 |           |
| 25       |        | 25            | 16.1      | 16.0               | 16.2     | 0          | 17.8 | 17.4      | 17.2               | 17.6     | 0.7        | 18.2 |           |
| 50       |        | 0             | 16.1      | 16.1               | 16.2     | 0          | 17.8 | 17.4      | 17.2               | 17.7     | 0.7        | 18.2 |           |
| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |          |            |      |           | Mode B Power (dBm) |          |            |      |           |
|          |        |               |           | 20775              | 21100    | 21425      | MPR  | Max Power | 20775              | 21100    | 21425      | MPR  | Max Power |
|          |        |               |           | 2502.5 MHz         | 2535 MHz | 2567.5 MHz |      |           | 2502.5 MHz         | 2535 MHz | 2567.5 MHz |      |           |
| 5        | QPSK   | 1             | 0         | 16.4               | 16.4     | 16.6       | 0    | 17.8      | 17.6               | 17.5     | 17.9       | 0    | 18.9      |
|          |        | 1             | 12        | 16.4               | 16.4     | 16.5       | 0    | 17.8      | 17.6               | 17.5     | 17.9       | 0    | 18.9      |
|          |        | 1             | 24        | 16.5               | 16.3     | 16.7       | 0    | 17.8      | 17.6               | 17.5     | 17.9       | 0    | 18.9      |
|          |        | 12            | 0         | 16.4               | 16.3     | 16.5       | 0    | 17.8      | 17.7               | 17.5     | 17.9       | 0    | 18.9      |
|          |        | 12            | 7         | 16.4               | 16.3     | 16.6       | 0    | 17.8      | 17.6               | 17.5     | 17.8       | 0    | 18.9      |
|          |        | 12            | 13        | 16.4               | 16.3     | 16.6       | 0    | 17.8      | 17.6               | 17.5     | 17.9       | 0    | 18.9      |
|          |        | 25            | 0         | 16.5               | 16.3     | 16.6       | 0    | 17.8      | 17.6               | 17.5     | 17.9       | 0    | 18.9      |
|          | 16QAM  | 1             | 0         | 16.8               | 16.6     | 16.9       | 0    | 17.8      | 18.0               | 17.9     | 18.2       | 0    | 18.9      |
|          |        | 1             | 12        | 16.7               | 16.6     | 16.9       | 0    | 17.8      | 18.1               | 17.9     | 18.2       | 0    | 18.9      |
|          |        | 1             | 24        | 16.8               | 16.6     | 17.0       | 0    | 17.8      | 18.0               | 17.8     | 18.2       | 0    | 18.9      |
|          |        | 12            | 0         | 16.4               | 16.3     | 16.5       | 0    | 17.8      | 17.6               | 17.5     | 17.9       | 0    | 18.9      |
|          |        | 12            | 7         | 16.4               | 16.3     | 16.5       | 0    | 17.8      | 17.6               | 17.4     | 17.9       | 0    | 18.9      |
|          |        | 12            | 13        | 16.4               | 16.3     | 16.6       | 0    | 17.8      | 17.6               | 17.4     | 17.9       | 0    | 18.9      |
|          |        | 25            | 0         | 16.4               | 16.3     | 16.5       | 0    | 17.8      | 17.6               | 17.5     | 17.9       | 0    | 18.9      |
|          | 64QAM  | 1             | 0         | 16.7               | 16.6     | 16.8       | 0    | 17.8      | 17.8               | 17.6     | 18.1       | 0    | 18.9      |
|          |        | 1             | 12        | 16.7               | 16.7     | 16.8       | 0    | 17.8      | 17.8               | 17.6     | 18.1       | 0    | 18.9      |
|          |        | 1             | 24        | 16.7               | 16.6     | 16.9       | 0    | 17.8      | 17.8               | 17.6     | 18.1       | 0    | 18.9      |
|          |        | 12            | 0         | 16.4               | 16.3     | 16.5       | 0    | 17.8      | 17.6               | 17.4     | 17.8       | 0    | 18.9      |
|          |        | 12            | 7         | 16.4               | 16.3     | 16.5       | 0    | 17.8      | 17.6               | 17.4     | 17.8       | 0    | 18.9      |
|          |        | 12            | 13        | 16.4               | 16.3     | 16.6       | 0    | 17.8      | 17.6               | 17.4     | 17.8       | 0    | 18.9      |
|          |        | 25            | 0         | 16.4               | 16.3     | 16.5       | 0    | 17.8      | 17.6               | 17.4     | 17.9       | 0    | 18.9      |
|          | 256QAM | 1             | 0         | 16.7               | 16.6     | 16.7       | 0    | 17.8      | 17.2               | 17.1     | 17.5       | 0.7  | 18.2      |
|          |        | 1             | 12        | 16.6               | 16.5     | 16.7       | 0    | 17.8      | 17.2               | 17.0     | 17.5       | 0.7  | 18.2      |
|          |        | 1             | 24        | 16.7               | 16.5     | 16.8       | 0    | 17.8      | 17.2               | 17.0     | 17.5       | 0.7  | 18.2      |
|          |        | 12            | 0         | 16.4               | 16.3     | 16.5       | 0    | 17.8      | 17.4               | 17.2     | 17.6       | 0.7  | 18.2      |
| 12       |        | 7             | 16.4      | 16.3               | 16.5     | 0          | 17.8 | 17.4      | 17.2               | 17.6     | 0.7        | 18.2 |           |
| 12       |        | 13            | 16.4      | 16.3               | 16.6     | 0          | 17.8 | 17.4      | 17.2               | 17.6     | 0.7        | 18.2 |           |
| 25       |        | 0             | 16.4      | 16.3               | 16.6     | 0          | 17.8 | 17.4      | 17.2               | 17.6     | 0.7        | 18.2 |           |



**LTE Band 7 Measured Results (ANT3, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |          |      |           | Mode B Power (dBm) |          |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|----------|----------|------|-----------|--------------------|----------|----------|------|-----------|------|
|          |        |               |           | 20850              | 21100    | 21350    | MPR  | Max Power | 20850              | 21100    | 21350    | MPR  | Max Power |      |
|          |        |               |           | 2510 MHz           | 2535 MHz | 2560 MHz |      |           | 2510 MHz           | 2535 MHz | 2560 MHz |      |           |      |
| 20       | QPSK   | 1             | 0         | 22.9               | 22.8     | 22.7     | 0    | 23.1      | 20.2               | 20.1     | 20.0     | 0    | 21.1      |      |
|          |        | 1             | 49        | 22.8               | 23.0     | 22.8     | 0    | 23.1      | 20.2               | 20.2     | 20.2     | 0    | 21.1      |      |
|          |        | 1             | 99        | 22.7               | 22.8     | 22.8     | 0    | 23.1      | 20.1               | 20.1     | 20.0     | 0    | 21.1      |      |
|          |        | 50            | 0         | 22.8               | 22.8     | 22.6     | 0    | 23.1      | 20.3               | 20.3     | 20.3     | 0    | 21.1      |      |
|          |        | 50            | 24        | 22.6               | 22.9     | 22.7     | 0    | 23.1      | 20.2               | 20.3     | 20.2     | 0    | 21.1      |      |
|          |        | 50            | 50        | 22.7               | 22.8     | 22.8     | 0    | 23.1      | 20.3               | 20.4     | 20.2     | 0    | 21.1      |      |
|          | 16QAM  | 100           | 0         | 22.7               | 23.0     | 22.7     | 0    | 23.1      | 20.3               | 20.4     | 20.3     | 0    | 21.1      |      |
|          |        | 1             | 0         | 22.5               | 22.5     | 22.2     | 0    | 23.1      | 20.1               | 19.9     | 20.1     | 0    | 21.1      |      |
|          |        | 1             | 49        | 22.6               | 22.7     | 22.5     | 0    | 23.1      | 20.2               | 20.2     | 20.3     | 0    | 21.1      |      |
|          |        | 1             | 99        | 22.6               | 22.5     | 22.5     | 0    | 23.1      | 20.2               | 20.0     | 20.3     | 0    | 21.1      |      |
|          |        | 50            | 0         | 22.3               | 22.4     | 22.3     | 0    | 23.1      | 20.0               | 20.0     | 20.0     | 0    | 21.1      |      |
|          |        | 50            | 24        | 22.3               | 22.4     | 22.3     | 0    | 23.1      | 20.0               | 20.1     | 20.0     | 0    | 21.1      |      |
|          | 64QAM  | 50            | 50        | 22.3               | 22.4     | 22.3     | 0    | 23.1      | 20.0               | 20.1     | 20.0     | 0    | 21.1      |      |
|          |        | 100           | 0         | 22.3               | 22.5     | 22.4     | 0    | 23.1      | 20.1               | 20.2     | 20.1     | 0    | 21.1      |      |
|          |        | 1             | 0         | 22.3               | 22.4     | 22.5     | 0    | 23.1      | 20.1               | 20.0     | 20.1     | 0    | 21.1      |      |
|          |        | 1             | 49        | 22.5               | 22.6     | 22.5     | 0    | 23.1      | 20.2               | 20.2     | 20.3     | 0    | 21.1      |      |
|          |        | 1             | 99        | 22.6               | 22.5     | 22.5     | 0    | 23.1      | 20.2               | 20.1     | 20.3     | 0    | 21.1      |      |
|          |        | 50            | 0         | 21.6               | 21.7     | 21.6     | 0.9  | 22.2      | 19.9               | 20.0     | 20.0     | 0    | 21.1      |      |
|          | 256QAM | 50            | 24        | 21.6               | 21.8     | 21.6     | 0.9  | 22.2      | 19.9               | 20.1     | 20.0     | 0    | 21.1      |      |
|          |        | 50            | 50        | 21.7               | 21.8     | 21.6     | 0.9  | 22.2      | 19.9               | 20.1     | 20.0     | 0    | 21.1      |      |
|          |        | 100           | 0         | 21.7               | 21.8     | 21.7     | 0.9  | 22.2      | 20.0               | 20.2     | 20.1     | 0    | 21.1      |      |
|          |        | 1             | 0         | 19.4               | 19.4     | 19.3     | 2.9  | 20.2      | 19.3               | 19.5     | 19.4     | 0.9  | 20.2      |      |
|          |        | 1             | 49        | 19.6               | 19.6     | 19.4     | 2.9  | 20.2      | 19.4               | 19.7     | 19.5     | 0.9  | 20.2      |      |
|          |        | 1             | 99        | 19.6               | 19.4     | 19.4     | 2.9  | 20.2      | 19.4               | 19.5     | 19.6     | 0.9  | 20.2      |      |
| 15       | QPSK   | 50            | 0         | 19.6               | 19.7     | 19.6     | 2.9  | 20.2      | 19.5               | 19.7     | 19.6     | 0.9  | 20.2      |      |
|          |        | 50            | 24        | 19.6               | 19.8     | 19.6     | 2.9  | 20.2      | 19.6               | 19.7     | 19.6     | 0.9  | 20.2      |      |
|          |        | 50            | 50        | 19.6               | 19.7     | 19.6     | 2.9  | 20.2      | 19.6               | 19.7     | 19.6     | 0.9  | 20.2      |      |
|          |        | 100           | 0         | 19.7               | 19.8     | 19.7     | 2.9  | 20.2      | 19.7               | 19.8     | 19.7     | 0.9  | 20.2      |      |
|          |        | 16QAM         | 1         | 0                  | 22.4     | 22.3     | 22.4 | 0         | 23.1               | 20.0     | 20.0     | 20.1 | 0         | 21.1 |
|          |        |               | 1         | 37                 | 22.3     | 22.5     | 22.4 | 0         | 23.1               | 20.0     | 20.2     | 20.1 | 0         | 21.1 |
|          | 1      |               | 74        | 22.3               | 22.4     | 22.5     | 0    | 23.1      | 20.0               | 20.1     | 20.2     | 0    | 21.1      |      |
|          | 36     |               | 0         | 22.4               | 22.4     | 22.4     | 0    | 23.1      | 20.0               | 20.1     | 20.1     | 0    | 21.1      |      |
|          | 36     |               | 20        | 22.3               | 22.5     | 22.4     | 0    | 23.1      | 20.0               | 20.2     | 20.1     | 0    | 21.1      |      |
|          | 36     |               | 39        | 22.3               | 22.5     | 22.4     | 0    | 23.1      | 20.0               | 20.2     | 20.1     | 0    | 21.1      |      |
|          | 75     |               | 0         | 22.3               | 22.5     | 22.4     | 0    | 23.1      | 20.1               | 20.2     | 20.1     | 0    | 21.1      |      |
|          | 64QAM  |               | 1         | 0                  | 22.5     | 22.5     | 22.5 | 0         | 23.1               | 20.2     | 20.1     | 20.3 | 0         | 21.1 |
|          |        |               | 1         | 37                 | 22.4     | 22.6     | 22.6 | 0         | 23.1               | 20.1     | 20.2     | 20.3 | 0         | 21.1 |
|          |        |               | 1         | 74                 | 22.5     | 22.6     | 22.7 | 0         | 23.1               | 20.2     | 20.2     | 20.4 | 0         | 21.1 |
|          |        |               | 36        | 0                  | 22.3     | 22.4     | 22.3 | 0         | 23.1               | 20.0     | 20.0     | 20.0 | 0         | 21.1 |
|          |        |               | 36        | 20                 | 22.2     | 22.4     | 22.3 | 0         | 23.1               | 20.0     | 20.1     | 20.0 | 0         | 21.1 |
|          |        | 36            | 39        | 22.2               | 22.4     | 22.3     | 0    | 23.1      | 20.0               | 20.1     | 20.0     | 0    | 21.1      |      |
|          | 256QAM | 75            | 0         | 22.3               | 22.4     | 22.4     | 0    | 23.1      | 20.0               | 20.2     | 20.1     | 0    | 21.1      |      |
|          |        | 1             | 0         | 22.5               | 22.6     | 22.5     | 0    | 23.1      | 20.2               | 20.1     | 20.2     | 0    | 21.1      |      |
|          |        | 1             | 37        | 22.5               | 22.8     | 22.4     | 0    | 23.1      | 20.1               | 20.2     | 20.1     | 0    | 21.1      |      |
|          |        | 1             | 74        | 22.7               | 22.8     | 22.6     | 0    | 23.1      | 20.2               | 20.3     | 20.3     | 0    | 21.1      |      |
|          |        | 36            | 0         | 21.7               | 21.7     | 21.6     | 0.9  | 22.2      | 20.0               | 20.0     | 20.0     | 0    | 21.1      |      |
|          |        | 36            | 20        | 21.7               | 21.7     | 21.6     | 0.9  | 22.2      | 20.0               | 20.1     | 20.0     | 0    | 21.1      |      |
|          | 256QAM | 36            | 39        | 21.7               | 21.7     | 21.6     | 0.9  | 22.2      | 20.0               | 20.1     | 20.0     | 0    | 21.1      |      |
| 75       |        | 0             | 21.7      | 21.8               | 21.6     | 0.9      | 22.2 | 20.0      | 20.2               | 20.1     | 0        | 21.1 |           |      |
| 1        |        | 0             | 19.4      | 19.6               | 19.6     | 2.9      | 20.2 | 19.5      | 19.4               | 19.5     | 0.9      | 20.2 |           |      |
| 1        |        | 37            | 19.4      | 19.7               | 19.5     | 2.9      | 20.2 | 19.4      | 19.6               | 19.5     | 0.9      | 20.2 |           |      |
| 1        |        | 74            | 19.6      | 19.7               | 19.6     | 2.9      | 20.2 | 19.5      | 19.6               | 19.7     | 0.9      | 20.2 |           |      |
| 36       |        | 0             | 19.6      | 19.7               | 19.6     | 2.9      | 20.2 | 19.6      | 19.6               | 19.6     | 0.9      | 20.2 |           |      |

**LTE Band 7 Measured Results (ANT3, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |          |          |      |           | Mode B Power (dBm) |          |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|----------|----------|------|-----------|--------------------|----------|----------|------|-----------|------|
|          |        |               |           | 20800              | 21100    | 21400    | MPR  | Max Power | 20800              | 21100    | 21400    | MPR  | Max Power |      |
|          |        |               |           | 2505 MHz           | 2535 MHz | 2565 MHz |      |           | 2505 MHz           | 2535 MHz | 2565 MHz |      |           |      |
| 10       | QPSK   | 1             | 0         | 22.6               | 22.6     | 22.6     | 0    | 23.1      | 20.3               | 20.3     | 20.2     | 0    | 21.1      |      |
|          |        | 1             | 25        | 22.4               | 22.7     | 22.6     | 0    | 23.1      | 20.2               | 20.4     | 20.3     | 0    | 21.1      |      |
|          |        | 1             | 49        | 22.5               | 22.6     | 22.7     | 0    | 23.1      | 20.2               | 20.4     | 20.4     | 0    | 21.1      |      |
|          |        | 25            | 0         | 22.5               | 22.6     | 22.6     | 0    | 23.1      | 20.3               | 20.3     | 20.2     | 0    | 21.1      |      |
|          |        | 25            | 12        | 22.5               | 22.6     | 22.5     | 0    | 23.1      | 20.2               | 20.3     | 20.2     | 0    | 21.1      |      |
|          |        | 25            | 25        | 22.5               | 22.6     | 22.6     | 0    | 23.1      | 20.2               | 20.3     | 20.3     | 0    | 21.1      |      |
|          | 16QAM  | 50            | 0         | 22.6               | 22.7     | 22.6     | 0    | 23.1      | 20.3               | 20.4     | 20.3     | 0    | 21.1      |      |
|          |        | 1             | 0         | 22.6               | 22.7     | 22.6     | 0    | 23.1      | 20.4               | 20.4     | 20.4     | 0    | 21.1      |      |
|          |        | 1             | 25        | 22.5               | 22.8     | 22.7     | 0    | 23.1      | 20.3               | 20.5     | 20.4     | 0    | 21.1      |      |
|          |        | 1             | 49        | 22.6               | 22.8     | 22.8     | 0    | 23.1      | 20.3               | 20.4     | 20.5     | 0    | 21.1      |      |
|          |        | 25            | 0         | 22.5               | 22.6     | 22.5     | 0    | 23.1      | 20.2               | 20.3     | 20.1     | 0    | 21.1      |      |
|          |        | 25            | 12        | 22.4               | 22.5     | 22.5     | 0    | 23.1      | 20.1               | 20.3     | 20.1     | 0    | 21.1      |      |
|          | 64QAM  | 25            | 25        | 22.4               | 22.6     | 22.5     | 0    | 23.1      | 20.1               | 20.3     | 20.2     | 0    | 21.1      |      |
|          |        | 50            | 0         | 22.5               | 22.7     | 22.6     | 0    | 23.1      | 20.2               | 20.3     | 20.2     | 0    | 21.1      |      |
|          |        | 1             | 0         | 22.7               | 22.7     | 22.7     | 0    | 23.1      | 20.5               | 20.4     | 20.4     | 0    | 21.1      |      |
|          |        | 1             | 25        | 22.8               | 22.8     | 22.6     | 0    | 23.1      | 20.3               | 20.5     | 20.4     | 0    | 21.1      |      |
|          |        | 1             | 49        | 22.9               | 22.8     | 22.7     | 0    | 23.1      | 20.4               | 20.5     | 20.6     | 0    | 21.1      |      |
|          |        | 25            | 0         | 21.8               | 21.9     | 21.8     | 0.9  | 22.2      | 20.1               | 20.3     | 20.2     | 0    | 21.1      |      |
|          | 256QAM | 25            | 12        | 21.8               | 21.9     | 21.8     | 0.9  | 22.2      | 20.1               | 20.3     | 20.1     | 0    | 21.1      |      |
|          |        | 25            | 25        | 21.8               | 21.9     | 21.8     | 0.9  | 22.2      | 20.1               | 20.3     | 20.2     | 0    | 21.1      |      |
|          |        | 50            | 0         | 21.9               | 22.0     | 21.9     | 0.9  | 22.2      | 20.2               | 20.3     | 20.2     | 0    | 21.1      |      |
|          |        | 1             | 0         | 19.7               | 19.7     | 19.8     | 2.9  | 20.2      | 19.7               | 19.7     | 19.7     | 0.9  | 20.2      |      |
|          |        | 1             | 25        | 19.6               | 19.8     | 19.6     | 2.9  | 20.2      | 19.5               | 19.8     | 19.8     | 0.9  | 20.2      |      |
|          |        | 1             | 49        | 19.8               | 19.8     | 19.8     | 2.9  | 20.2      | 19.6               | 19.8     | 19.9     | 0.9  | 20.2      |      |
|          | 5      | QPSK          | 25        | 0                  | 19.7     | 19.9     | 19.8 | 2.9       | 20.2               | 19.7     | 19.9     | 19.8 | 0.9       | 20.2 |
|          |        |               | 25        | 12                 | 19.7     | 19.9     | 19.7 | 2.9       | 20.2               | 19.7     | 19.9     | 19.8 | 0.9       | 20.2 |
|          |        |               | 25        | 25                 | 19.8     | 19.9     | 19.7 | 2.9       | 20.2               | 19.7     | 19.9     | 19.8 | 0.9       | 20.2 |
|          |        |               | 50        | 0                  | 19.8     | 20.0     | 19.8 | 2.9       | 20.2               | 19.8     | 20.0     | 19.9 | 0.9       | 20.2 |
| 1        |        |               | 0         | 22.5               | 22.7     | 22.6     | 0    | 23.1      | 20.2               | 20.4     | 20.3     | 0    | 21.1      |      |
| 1        |        |               | 12        | 22.5               | 22.7     | 22.6     | 0    | 23.1      | 20.2               | 20.4     | 20.3     | 0    | 21.1      |      |
| 16QAM    |        | 1             | 24        | 22.5               | 22.6     | 22.7     | 0    | 23.1      | 20.2               | 20.3     | 20.4     | 0    | 21.1      |      |
|          |        | 12            | 0         | 22.6               | 22.6     | 22.6     | 0    | 23.1      | 20.3               | 20.3     | 20.2     | 0    | 21.1      |      |
|          |        | 12            | 7         | 22.6               | 22.6     | 22.6     | 0    | 23.1      | 20.3               | 20.3     | 20.2     | 0    | 21.1      |      |
|          |        | 12            | 13        | 22.6               | 22.6     | 22.6     | 0    | 23.1      | 20.3               | 20.3     | 20.3     | 0    | 21.1      |      |
|          | 25     | 0             | 22.6      | 22.6               | 22.7     | 0        | 23.1 | 20.3      | 20.3               | 20.3     | 0        | 21.1 |           |      |
|          | 1      | 0             | 22.7      | 22.8               | 22.9     | 0        | 23.1 | 20.4      | 20.5               | 20.5     | 0        | 21.1 |           |      |
| 64QAM    | 1      | 12            | 22.6      | 22.7               | 22.9     | 0        | 23.1 | 20.3      | 20.4               | 20.5     | 0        | 21.1 |           |      |
|          | 1      | 24            | 22.6      | 22.7               | 22.9     | 0        | 23.1 | 20.3      | 20.4               | 20.6     | 0        | 21.1 |           |      |
|          | 12     | 0             | 22.4      | 22.5               | 22.5     | 0        | 23.1 | 20.1      | 20.2               | 20.2     | 0        | 21.1 |           |      |
|          | 12     | 7             | 22.4      | 22.5               | 22.5     | 0        | 23.1 | 20.1      | 20.2               | 20.2     | 0        | 21.1 |           |      |
|          | 12     | 13            | 22.4      | 22.5               | 22.6     | 0        | 23.1 | 20.1      | 20.2               | 20.2     | 0        | 21.1 |           |      |
|          | 25     | 0             | 22.5      | 22.6               | 22.6     | 0        | 23.1 | 20.2      | 20.3               | 20.3     | 0        | 21.1 |           |      |
| 256QAM   | 1      | 0             | 22.4      | 22.7               | 22.9     | 0        | 23.1 | 20.0      | 20.3               | 20.5     | 0        | 21.1 |           |      |
|          | 1      | 12            | 22.4      | 22.7               | 22.9     | 0        | 23.1 | 20.0      | 20.3               | 20.5     | 0        | 21.1 |           |      |
|          | 1      | 24            | 22.4      | 22.7               | 23.0     | 0        | 23.1 | 20.0      | 20.3               | 20.6     | 0        | 21.1 |           |      |
|          | 12     | 0             | 21.7      | 21.8               | 21.8     | 0.9      | 22.2 | 19.3      | 19.4               | 20.2     | 0        | 21.1 |           |      |
|          | 12     | 7             | 21.7      | 21.7               | 21.7     | 0.9      | 22.2 | 19.3      | 19.3               | 20.2     | 0        | 21.1 |           |      |
|          | 12     | 13            | 21.7      | 21.8               | 21.8     | 0.9      | 22.2 | 19.3      | 19.4               | 20.2     | 0        | 21.1 |           |      |
|          | 25     | 0             | 21.8      | 21.9               | 21.8     | 0.9      | 22.2 | 19.4      | 19.5               | 20.3     | 0        | 21.1 |           |      |
|          | 1      | 0             | 19.4      | 19.6               | 19.7     | 2.9      | 20.2 | 19.4      | 19.6               | 19.7     | 0.9      | 20.2 |           |      |
| 1        | 12     | 19.4          | 19.6      | 19.7               | 2.9      | 20.2     | 19.4 | 19.6      | 19.7               | 0.9      | 20.2     |      |           |      |
| 1        | 24     | 19.4          | 19.6      | 19.7               | 2.9      | 20.2     | 19.4 | 19.6      | 19.8               | 0.9      | 20.2     |      |           |      |
| 12       | 0      | 19.7          | 19.8      | 19.7               | 2.9      | 20.2     | 19.7 | 19.8      | 19.9               | 0.9      | 20.2     |      |           |      |
| 12       | 7      | 19.7          | 19.7      | 19.7               | 2.9      | 20.2     | 19.7 | 19.7      | 19.8               | 0.9      | 20.2     |      |           |      |
| 12       | 13     | 19.7          | 19.7      | 19.8               | 2.9      | 20.2     | 19.7 | 19.7      | 19.9               | 0.9      | 20.2     |      |           |      |
| 25       | 0      | 19.8          | 19.9      | 19.8               | 2.9      | 20.2     | 19.8 | 19.9      | 19.9               | 0.9      | 20.2     |      |           |      |

**LTE Band 7 Measured Results (ANT4, Power State 1)**

| Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|--------|---------------|-----------|--------------------|----------|------------|-----|-----------|--------------------|----------|------------|-----|-----------|
|        |               |           | 20850              | 21100    | 21350      | MPR | Max Power | 20850              | 21100    | 21350      | MPR | Max Power |
|        |               |           | 2510 MHz           | 2535 MHz | 2560 MHz   |     |           | 2510 MHz           | 2535 MHz | 2560 MHz   |     |           |
| QPSK   | 1             | 0         | 19.8               | 19.6     | 19.8       | 0   | 21.5      | 19.8               | 19.8     | 19.8       | 0   | 21.2      |
|        | 1             | 49        | 19.9               | 19.7     | 20.1       | 0   | 21.5      | 20.0               | 20.0     | 20.1       | 0   | 21.2      |
|        | 1             | 99        | 19.8               | 19.6     | 19.9       | 0   | 21.5      | 19.8               | 19.8     | 19.8       | 0   | 21.2      |
|        | 50            | 0         | 19.9               | 19.8     | 20.0       | 0   | 21.5      | 20.0               | 19.9     | 20.1       | 0   | 21.2      |
|        | 50            | 24        | 20.0               | 19.9     | 21.0       | 0   | 21.5      | 20.1               | 20.0     | 20.1       | 0   | 21.2      |
|        | 50            | 50        | 20.0               | 19.8     | 20.1       | 0   | 21.5      | 20.0               | 20.0     | 20.0       | 0   | 21.2      |
|        | 100           | 0         | 20.0               | 19.9     | 20.1       | 0   | 21.5      | 20.0               | 20.0     | 20.2       | 0   | 21.2      |
| 16QAM  | 1             | 0         | 19.9               | 19.8     | 19.6       | 0   | 21.5      | 20.2               | 20.2     | 20.2       | 0   | 21.2      |
|        | 1             | 49        | 20.0               | 19.8     | 19.8       | 0   | 21.5      | 20.3               | 20.4     | 20.4       | 0   | 21.2      |
|        | 1             | 99        | 19.8               | 19.6     | 19.7       | 0   | 21.5      | 20.1               | 20.2     | 20.2       | 0   | 21.2      |
|        | 50            | 0         | 19.7               | 19.8     | 19.7       | 0.3 | 21.2      | 19.8               | 19.9     | 20.1       | 0   | 21.2      |
|        | 50            | 24        | 19.7               | 19.7     | 19.7       | 0.3 | 21.2      | 20.0               | 19.9     | 20.0       | 0   | 21.2      |
|        | 50            | 50        | 19.7               | 19.8     | 19.7       | 0.3 | 21.2      | 19.9               | 20.0     | 19.9       | 0   | 21.2      |
|        | 100           | 0         | 19.8               | 19.8     | 19.8       | 0.3 | 21.2      | 20.0               | 20.0     | 20.0       | 0   | 21.2      |
| 64QAM  | 1             | 0         | 20.3               | 19.5     | 19.5       | 0.3 | 21.2      | 19.8               | 19.8     | 19.7       | 0   | 21.2      |
|        | 1             | 49        | 20.6               | 19.5     | 19.7       | 0.3 | 21.2      | 19.8               | 19.8     | 19.8       | 0   | 21.2      |
|        | 1             | 99        | 20.4               | 19.3     | 19.5       | 0.3 | 21.2      | 19.7               | 19.7     | 19.7       | 0   | 21.2      |
|        | 50            | 0         | 19.2               | 19.1     | 19.2       | 1.3 | 20.2      | 19.0               | 19.1     | 19.3       | 1   | 20.2      |
|        | 50            | 24        | 19.3               | 19.1     | 19.2       | 1.3 | 20.2      | 19.2               | 19.1     | 19.2       | 1   | 20.2      |
|        | 50            | 50        | 19.3               | 19.2     | 19.2       | 1.3 | 20.2      | 19.1               | 19.2     | 19.2       | 1   | 20.2      |
|        | 100           | 0         | 19.3               | 19.1     | 19.1       | 1.3 | 20.2      | 19.2               | 19.1     | 19.2       | 1   | 20.2      |
| 256QAM | 1             | 0         | 17.0               | 16.8     | 16.7       | 3.3 | 18.2      | 16.8               | 16.8     | 16.7       | 3   | 18.2      |
|        | 1             | 49        | 17.0               | 16.9     | 16.9       | 3.3 | 18.2      | 16.9               | 16.8     | 16.8       | 3   | 18.2      |
|        | 1             | 99        | 17.0               | 16.7     | 16.7       | 3.3 | 18.2      | 16.7               | 16.7     | 16.8       | 3   | 18.2      |
|        | 50            | 0         | 17.2               | 17.1     | 17.3       | 3.3 | 18.2      | 17.0               | 17.1     | 17.3       | 3   | 18.2      |
|        | 50            | 24        | 17.3               | 17.1     | 17.2       | 3.3 | 18.2      | 17.2               | 17.1     | 17.2       | 3   | 18.2      |
|        | 50            | 50        | 17.3               | 17.2     | 17.2       | 3.3 | 18.2      | 17.1               | 17.2     | 17.2       | 3   | 18.2      |
|        | 100           | 0         | 17.3               | 17.2     | 17.2       | 3.3 | 18.2      | 17.2               | 17.1     | 17.3       | 3   | 18.2      |
| Mode   | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|        |               |           | 20825              | 21100    | 21375      | MPR | Max Power | 20825              | 21100    | 21375      | MPR | Max Power |
|        |               |           | 2507.5 MHz         | 2535 MHz | 2562.5 MHz |     |           | 2507.5 MHz         | 2535 MHz | 2562.5 MHz |     |           |
| QPSK   | 1             | 0         | 19.9               | 19.8     | 19.9       | 0   | 21.5      | 20.0               | 20.0     | 20.1       | 0   | 21.2      |
|        | 1             | 37        | 19.7               | 19.8     | 19.7       | 0   | 21.5      | 20.0               | 19.9     | 20.0       | 0   | 21.2      |
|        | 1             | 74        | 19.8               | 19.7     | 19.8       | 0   | 21.5      | 19.9               | 19.9     | 20.0       | 0   | 21.2      |
|        | 36            | 0         | 19.9               | 19.8     | 19.8       | 0   | 21.5      | 19.9               | 19.9     | 20.0       | 0   | 21.2      |
|        | 36            | 20        | 19.7               | 19.8     | 19.8       | 0   | 21.5      | 20.0               | 19.9     | 20.0       | 0   | 21.2      |
|        | 36            | 39        | 19.7               | 19.8     | 19.8       | 0   | 21.5      | 20.0               | 20.1     | 20.0       | 0   | 21.2      |
|        | 75            | 0         | 19.7               | 19.8     | 19.8       | 0   | 21.5      | 19.9               | 19.9     | 20.0       | 0   | 21.2      |
| 16QAM  | 1             | 0         | 20.1               | 20.0     | 19.9       | 0   | 21.5      | 20.3               | 20.2     | 20.4       | 0   | 21.2      |
|        | 1             | 37        | 19.9               | 19.9     | 19.9       | 0   | 21.5      | 20.1               | 20.2     | 20.3       | 0   | 21.2      |
|        | 1             | 74        | 20.0               | 19.8     | 19.9       | 0   | 21.5      | 20.1               | 20.3     | 20.3       | 0   | 21.2      |
|        | 36            | 0         | 19.8               | 19.8     | 19.7       | 0.3 | 21.2      | 19.9               | 19.9     | 20.0       | 0   | 21.2      |
|        | 36            | 20        | 19.8               | 19.7     | 19.7       | 0.3 | 21.2      | 19.9               | 19.9     | 20.0       | 0   | 21.2      |
|        | 36            | 39        | 19.8               | 19.8     | 19.7       | 0.3 | 21.2      | 20.0               | 20.0     | 20.0       | 0   | 21.2      |
|        | 75            | 0         | 19.8               | 19.8     | 19.7       | 0.3 | 21.2      | 19.9               | 19.9     | 20.0       | 0   | 21.2      |
| 64QAM  | 1             | 0         | 20.1               | 20.2     | 20.5       | 0.3 | 21.2      | 19.9               | 19.7     | 20.0       | 0   | 21.2      |
|        | 1             | 37        | 20.0               | 20.0     | 20.5       | 0.3 | 21.2      | 19.8               | 19.8     | 19.8       | 0   | 21.2      |
|        | 1             | 74        | 20.1               | 20.0     | 20.5       | 0.3 | 21.2      | 19.8               | 19.8     | 19.9       | 0   | 21.2      |
|        | 36            | 0         | 19.6               | 19.6     | 19.4       | 1.3 | 20.2      | 19.1               | 19.1     | 19.2       | 1   | 20.2      |
|        | 36            | 20        | 19.6               | 19.5     | 19.4       | 1.3 | 20.2      | 19.1               | 19.1     | 19.2       | 1   | 20.2      |
|        | 36            | 39        | 19.6               | 19.5     | 19.4       | 1.3 | 20.2      | 19.2               | 19.2     | 19.1       | 1   | 20.2      |
|        | 75            | 0         | 19.6               | 19.5     | 19.4       | 1.3 | 20.2      | 19.1               | 19.1     | 19.2       | 1   | 20.2      |
| 256QAM | 1             | 0         | 17.5               | 17.3     | 17.1       | 3.3 | 18.2      | 17.0               | 16.9     | 17.1       | 3   | 18.2      |
|        | 1             | 37        | 17.3               | 17.1     | 17.1       | 3.3 | 18.2      | 16.9               | 16.8     | 16.8       | 3   | 18.2      |
|        | 1             | 74        | 17.3               | 17.2     | 17.1       | 3.3 | 18.2      | 16.8               | 16.8     | 16.9       | 3   | 18.2      |
|        | 36            | 0         | 17.6               | 17.6     | 17.4       | 3.3 | 18.2      | 17.1               | 17.1     | 17.2       | 3   | 18.2      |
|        | 36            | 20        | 17.6               | 17.5     | 17.4       | 3.3 | 18.2      | 17.1               | 17.1     | 17.2       | 3   | 18.2      |
|        | 36            | 39        | 17.6               | 17.5     | 17.4       | 3.3 | 18.2      | 17.2               | 17.2     | 17.2       | 3   | 18.2      |
|        | 75            | 0         | 17.6               | 17.5     | 17.5       | 3.3 | 18.2      | 17.1               | 17.1     | 17.2       | 3   | 18.2      |

**LTE Band 7 Measured Results (ANT4, Power State 1) (continued)**

| Mode   | RB Allocation | RB offset | Mode A Power (dBm) |          |            |      |           | Mode B Power (dBm) |          |            |      |           |
|--------|---------------|-----------|--------------------|----------|------------|------|-----------|--------------------|----------|------------|------|-----------|
|        |               |           | 20800              | 21100    | 21400      | MPR  | Max Power | 20800              | 21100    | 21400      | MPR  | Max Power |
|        |               |           | 2505 MHz           | 2535 MHz | 2565 MHz   |      |           | 2505 MHz           | 2535 MHz | 2565 MHz   |      |           |
| QPSK   | 1             | 0         | 20.0               | 19.9     | 19.9       | 0    | 21.5      | 20.1               | 20.0     | 20.1       | 0    | 21.2      |
|        | 1             | 25        | 19.9               | 19.8     | 19.9       | 0    | 21.5      | 19.9               | 20.0     | 20.1       | 0    | 21.2      |
|        | 1             | 49        | 19.9               | 19.9     | 19.9       | 0    | 21.5      | 20.1               | 20.1     | 20.1       | 0    | 21.2      |
|        | 25            | 0         | 20.0               | 19.8     | 19.9       | 0    | 21.5      | 20.0               | 20.0     | 20.1       | 0    | 21.2      |
|        | 25            | 12        | 19.9               | 19.8     | 19.8       | 0    | 21.5      | 19.9               | 20.0     | 20.0       | 0    | 21.2      |
|        | 25            | 25        | 19.9               | 19.8     | 19.9       | 0    | 21.5      | 20.0               | 20.1     | 20.1       | 0    | 21.2      |
| 50     | 0             | 19.9      | 19.9               | 19.9     | 0          | 21.5 | 20.0      | 20.0               | 20.1     | 0          | 21.2 |           |
| 16QAM  | 1             | 0         | 20.1               | 20.0     | 20.0       | 0    | 21.5      | 20.4               | 20.1     | 20.2       | 0    | 21.2      |
|        | 1             | 25        | 20.0               | 19.9     | 20.0       | 0    | 21.5      | 20.2               | 20.2     | 20.3       | 0    | 21.2      |
|        | 1             | 49        | 20.0               | 20.0     | 20.0       | 0    | 21.5      | 20.3               | 20.3     | 20.3       | 0    | 21.2      |
|        | 25            | 0         | 19.9               | 19.8     | 19.8       | 0.3  | 21.2      | 20.0               | 19.9     | 20.0       | 0    | 21.2      |
|        | 25            | 12        | 19.8               | 19.8     | 19.8       | 0.3  | 21.2      | 19.9               | 19.9     | 20.0       | 0    | 21.2      |
|        | 25            | 25        | 19.8               | 19.8     | 19.8       | 0.3  | 21.2      | 20.0               | 20.0     | 20.0       | 0    | 21.2      |
| 50     | 0             | 19.8      | 19.9               | 19.9     | 0.3        | 21.2 | 19.9      | 20.0               | 20.0     | 0          | 21.2 |           |
| 64QAM  | 1             | 0         | 20.1               | 20.2     | 20.2       | 0.3  | 21.2      | 20.0               | 19.9     | 19.9       | 0    | 21.2      |
|        | 1             | 25        | 20.1               | 20.0     | 20.2       | 0.3  | 21.2      | 19.7               | 19.8     | 19.9       | 0    | 21.2      |
|        | 1             | 49        | 20.1               | 20.1     | 20.2       | 0.3  | 21.2      | 19.9               | 19.9     | 19.9       | 0    | 21.2      |
|        | 25            | 0         | 19.6               | 19.5     | 19.6       | 1.3  | 20.2      | 19.2               | 19.2     | 19.2       | 1    | 20.2      |
|        | 25            | 12        | 19.5               | 19.5     | 19.6       | 1.3  | 20.2      | 19.1               | 19.1     | 19.2       | 1    | 20.2      |
|        | 25            | 25        | 19.5               | 19.5     | 19.7       | 1.3  | 20.2      | 19.1               | 19.2     | 19.2       | 1    | 20.2      |
| 50     | 0             | 19.6      | 19.6               | 19.7     | 1.3        | 20.2 | 19.1      | 19.1               | 19.2     | 1          | 20.2 |           |
| 256QAM | 1             | 0         | 17.4               | 17.4     | 17.4       | 3.3  | 18.2      | 17.0               | 16.8     | 16.9       | 3    | 18.2      |
|        | 1             | 25        | 17.2               | 17.2     | 17.4       | 3.3  | 18.2      | 16.8               | 16.9     | 16.8       | 3    | 18.2      |
|        | 1             | 49        | 17.4               | 17.3     | 17.4       | 3.3  | 18.2      | 17.0               | 16.8     | 16.9       | 3    | 18.2      |
|        | 25            | 0         | 17.6               | 17.6     | 17.6       | 3.3  | 18.2      | 17.2               | 17.1     | 17.2       | 3    | 18.2      |
|        | 25            | 12        | 17.5               | 17.6     | 17.6       | 3.3  | 18.2      | 17.1               | 17.1     | 17.1       | 3    | 18.2      |
|        | 25            | 25        | 17.6               | 17.6     | 17.7       | 3.3  | 18.2      | 17.2               | 17.2     | 17.2       | 3    | 18.2      |
| 50     | 0             | 17.6      | 17.6               | 17.7     | 3.3        | 18.2 | 17.1      | 17.2               | 17.2     | 3          | 18.2 |           |
| Mode   | RB Allocation | RB offset | Mode A Power (dBm) |          |            |      |           | Mode B Power (dBm) |          |            |      |           |
|        |               |           | 20775              | 21100    | 21425      | MPR  | Max Power | 20775              | 21100    | 21425      | MPR  | Max Power |
|        |               |           | 2502.5 MHz         | 2535 MHz | 2567.5 MHz |      |           | 2502.5 MHz         | 2535 MHz | 2567.5 MHz |      |           |
| QPSK   | 1             | 0         | 19.9               | 19.8     | 19.9       | 0    | 21.5      | 20.2               | 20.0     | 20.1       | 0    | 21.2      |
|        | 1             | 12        | 19.8               | 19.8     | 19.8       | 0    | 21.5      | 20.1               | 19.9     | 20.0       | 0    | 21.2      |
|        | 1             | 24        | 19.8               | 19.8     | 19.9       | 0    | 21.5      | 20.1               | 20.0     | 20.1       | 0    | 21.2      |
|        | 12            | 0         | 19.9               | 19.8     | 19.9       | 0    | 21.5      | 20.1               | 19.9     | 20.1       | 0    | 21.2      |
|        | 12            | 7         | 19.9               | 19.8     | 19.9       | 0    | 21.5      | 20.0               | 19.9     | 20.1       | 0    | 21.2      |
|        | 12            | 13        | 19.9               | 19.8     | 19.9       | 0    | 21.5      | 20.1               | 20.0     | 20.1       | 0    | 21.2      |
| 25     | 0             | 19.9      | 19.8               | 19.9     | 0          | 21.5 | 20.0      | 19.9               | 20.1     | 0          | 21.2 |           |
| 16QAM  | 1             | 0         | 20.1               | 19.9     | 20.0       | 0    | 21.5      | 20.4               | 20.3     | 20.4       | 0    | 21.2      |
|        | 1             | 12        | 20.1               | 19.9     | 20.0       | 0    | 21.5      | 20.2               | 20.3     | 20.4       | 0    | 21.2      |
|        | 1             | 24        | 20.1               | 19.9     | 20.0       | 0    | 21.5      | 20.3               | 20.4     | 20.4       | 0    | 21.2      |
|        | 12            | 0         | 19.8               | 19.7     | 19.8       | 0.3  | 21.2      | 20.0               | 19.9     | 20.0       | 0    | 21.2      |
|        | 12            | 7         | 19.8               | 19.7     | 19.8       | 0.3  | 21.2      | 20.0               | 19.9     | 20.0       | 0    | 21.2      |
|        | 12            | 13        | 19.8               | 19.7     | 19.7       | 0.3  | 21.2      | 20.0               | 20.0     | 20.0       | 0    | 21.2      |
| 25     | 0             | 19.9      | 19.7               | 19.8     | 0.3        | 21.2 | 20.0      | 19.9               | 20.0     | 0          | 21.2 |           |
| 64QAM  | 1             | 0         | 20.6               | 19.6     | 19.7       | 0.3  | 21.2      | 19.9               | 19.8     | 19.9       | 0    | 21.2      |
|        | 1             | 12        | 20.6               | 19.6     | 19.7       | 0.3  | 21.2      | 19.7               | 19.8     | 19.9       | 0    | 21.2      |
|        | 1             | 24        | 20.6               | 19.6     | 19.7       | 0.3  | 21.2      | 19.7               | 19.9     | 19.8       | 0    | 21.2      |
|        | 12            | 0         | 19.5               | 19.1     | 19.2       | 1.3  | 20.2      | 19.1               | 19.1     | 19.2       | 1    | 20.2      |
|        | 12            | 7         | 19.4               | 19.1     | 19.2       | 1.3  | 20.2      | 19.1               | 19.1     | 19.2       | 1    | 20.2      |
|        | 12            | 13        | 19.4               | 19.2     | 19.2       | 1.3  | 20.2      | 19.1               | 19.1     | 19.2       | 1    | 20.2      |
| 25     | 0             | 19.5      | 19.2               | 19.3     | 1.3        | 20.2 | 19.1      | 19.1               | 19.2     | 1          | 20.2 |           |
| 256QAM | 1             | 0         | 17.2               | 16.8     | 17.0       | 3.3  | 18.2      | 16.9               | 16.8     | 16.9       | 3    | 18.2      |
|        | 1             | 12        | 17.1               | 16.8     | 16.9       | 3.3  | 18.2      | 16.8               | 16.7     | 16.9       | 3    | 18.2      |
|        | 1             | 24        | 17.2               | 16.9     | 16.9       | 3.3  | 18.2      | 16.8               | 16.8     | 16.9       | 3    | 18.2      |
|        | 12            | 0         | 17.5               | 17.1     | 17.3       | 3.3  | 18.2      | 17.1               | 17.1     | 17.2       | 3    | 18.2      |
|        | 12            | 7         | 17.5               | 17.1     | 17.2       | 3.3  | 18.2      | 17.1               | 17.1     | 17.2       | 3    | 18.2      |
|        | 12            | 13        | 17.4               | 17.2     | 17.2       | 3.3  | 18.2      | 17.1               | 17.1     | 17.2       | 3    | 18.2      |
| 25     | 0             | 17.5      | 17.1               | 17.3     | 3.3        | 18.2 | 17.1      | 17.1               | 17.2     | 3          | 18.2 |           |

**LTE Band 12 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |      |      |      |           | Mode B Power (dBm) |      |      |      |           |
|----------|--------|---------------|-----------|--------------------|------|------|------|-----------|--------------------|------|------|------|-----------|
|          |        |               |           | 23095              |      |      | MPR  | Max Power | 23095              |      |      | MPR  | Max Power |
|          |        |               |           | 707.5 MHz          |      |      |      |           | 707.5 MHz          |      |      |      |           |
| 10       | QPSK   | 1             | 0         | 24.9               |      |      | 0    | 25.7      | 24.9               |      |      | 0    | 25.7      |
|          |        | 1             | 25        | 24.8               |      |      | 0    | 25.7      | 24.8               |      |      | 0    | 25.7      |
|          |        | 1             | 49        | 25.0               |      |      | 0    | 25.7      | 25.0               |      |      | 0    | 25.7      |
|          |        | 25            | 0         | 24.1               |      |      | 1    | 24.7      | 24.1               |      |      | 1    | 24.7      |
|          |        | 25            | 12        | 24.2               |      |      | 1    | 24.7      | 24.2               |      |      | 1    | 24.7      |
|          |        | 25            | 25        | 24.1               |      |      | 1    | 24.7      | 24.1               |      |      | 1    | 24.7      |
|          | 16QAM  | 50            | 0         | 24.2               |      |      | 1    | 24.7      | 24.2               |      |      | 1    | 24.7      |
|          |        | 1             | 0         | 24.1               |      |      | 1    | 24.7      | 24.1               |      |      | 1    | 24.7      |
|          |        | 1             | 25        | 23.9               |      |      | 1    | 24.7      | 23.9               |      |      | 1    | 24.7      |
|          |        | 1             | 49        | 24.0               |      |      | 1    | 24.7      | 24.0               |      |      | 1    | 24.7      |
|          |        | 25            | 0         | 23.1               |      |      | 2    | 23.7      | 23.1               |      |      | 2    | 23.7      |
|          |        | 25            | 12        | 23.0               |      |      | 2    | 23.7      | 23.0               |      |      | 2    | 23.7      |
|          | 64QAM  | 25            | 25        | 23.1               |      |      | 2    | 23.7      | 23.1               |      |      | 2    | 23.7      |
|          |        | 50            | 0         | 23.1               |      |      | 2    | 23.7      | 23.1               |      |      | 2    | 23.7      |
|          |        | 1             | 0         | 23.0               |      |      | 2    | 23.7      | 23.0               |      |      | 2    | 23.7      |
|          |        | 1             | 25        | 22.8               |      |      | 2    | 23.7      | 22.8               |      |      | 2    | 23.7      |
|          |        | 1             | 49        | 22.9               |      |      | 2    | 23.7      | 22.9               |      |      | 2    | 23.7      |
|          |        | 25            | 0         | 22.1               |      |      | 3    | 22.7      | 22.1               |      |      | 3    | 22.7      |
|          | 256QAM | 25            | 12        | 22.0               |      |      | 3    | 22.7      | 22.0               |      |      | 3    | 22.7      |
|          |        | 25            | 25        | 22.1               |      |      | 3    | 22.7      | 22.1               |      |      | 3    | 22.7      |
|          |        | 50            | 0         | 22.1               |      |      | 3    | 22.7      | 22.1               |      |      | 3    | 22.7      |
|          |        | 1             | 0         | 19.9               |      |      | 5    | 20.7      | 19.9               |      |      | 5    | 20.7      |
|          |        | 1             | 25        | 19.7               |      |      | 5    | 20.7      | 19.7               |      |      | 5    | 20.7      |
|          |        | 1             | 49        | 19.9               |      |      | 5    | 20.7      | 19.9               |      |      | 5    | 20.7      |
| 5        | QPSK   | 25            | 0         | 20.1               |      |      | 5    | 20.7      | 20.0               |      |      | 5    | 20.7      |
|          |        | 50            | 0         | 20.1               |      |      | 5    | 20.7      | 20.1               |      |      | 5    | 20.7      |
|          |        | 1             | 0         | 24.8               | 24.7 | 24.7 | 0    | 25.7      | 24.8               | 24.7 | 24.7 | 0    | 25.7      |
|          |        | 1             | 12        | 24.7               | 24.6 | 24.8 | 0    | 25.7      | 24.7               | 24.6 | 24.8 | 0    | 25.7      |
|          |        | 1             | 24        | 24.8               | 24.7 | 24.8 | 0    | 25.7      | 24.8               | 24.7 | 24.8 | 0    | 25.7      |
|          |        | 12            | 0         | 24.3               | 24.1 | 24.2 | 1    | 24.7      | 24.3               | 24.1 | 24.2 | 1    | 24.7      |
|          | 16QAM  | 12            | 7         | 24.2               | 24.1 | 24.2 | 1    | 24.7      | 24.2               | 24.1 | 24.2 | 1    | 24.7      |
|          |        | 12            | 13        | 24.2               | 24.1 | 24.2 | 1    | 24.7      | 24.2               | 24.1 | 24.2 | 1    | 24.7      |
|          |        | 25            | 0         | 24.2               | 24.1 | 24.2 | 1    | 24.7      | 24.2               | 24.1 | 24.2 | 1    | 24.7      |
|          |        | 1             | 0         | 24.0               | 24.0 | 24.1 | 1    | 24.7      | 24.0               | 24.0 | 24.1 | 1    | 24.7      |
|          |        | 1             | 12        | 24.0               | 23.9 | 24.2 | 1    | 24.7      | 24.0               | 23.9 | 24.2 | 1    | 24.7      |
|          |        | 1             | 24        | 24.0               | 24.0 | 24.1 | 1    | 24.7      | 24.0               | 24.0 | 24.1 | 1    | 24.7      |
|          | 64QAM  | 12            | 0         | 23.3               | 23.1 | 23.2 | 2    | 23.7      | 23.3               | 23.1 | 23.2 | 2    | 23.7      |
|          |        | 12            | 7         | 23.2               | 23.1 | 23.2 | 2    | 23.7      | 23.2               | 23.1 | 23.2 | 2    | 23.7      |
|          |        | 12            | 13        | 23.1               | 23.1 | 23.2 | 2    | 23.7      | 23.1               | 23.1 | 23.2 | 2    | 23.7      |
|          |        | 25            | 0         | 23.2               | 23.1 | 23.1 | 2    | 23.7      | 23.2               | 23.1 | 23.1 | 2    | 23.7      |
|          |        | 1             | 0         | 23.0               | 22.8 | 22.9 | 2    | 23.7      | 23.0               | 22.8 | 22.9 | 2    | 23.7      |
|          |        | 1             | 12        | 22.9               | 22.7 | 22.9 | 2    | 23.7      | 22.9               | 22.7 | 22.9 | 2    | 23.7      |
|          | 256QAM | 1             | 24        | 22.9               | 22.8 | 22.9 | 2    | 23.7      | 22.9               | 22.8 | 22.9 | 2    | 23.7      |
|          |        | 12            | 0         | 22.3               | 22.1 | 22.2 | 3    | 22.7      | 22.3               | 22.1 | 22.2 | 3    | 22.7      |
|          |        | 12            | 7         | 22.2               | 22.0 | 22.1 | 3    | 22.7      | 22.2               | 22.0 | 22.1 | 3    | 22.7      |
|          |        | 12            | 13        | 22.1               | 22.0 | 22.2 | 3    | 22.7      | 22.1               | 22.0 | 22.2 | 3    | 22.7      |
|          |        | 25            | 0         | 22.2               | 22.0 | 22.1 | 3    | 22.7      | 22.2               | 22.0 | 22.1 | 3    | 22.7      |
|          |        | 1             | 0         | 19.9               | 19.8 | 19.8 | 5    | 20.7      | 19.9               | 19.8 | 19.8 | 5    | 20.7      |
| 256QAM   | 1      | 12            | 19.9      | 19.7               | 19.9 | 5    | 20.7 | 19.9      | 19.7               | 19.9 | 5    | 20.7 |           |
|          | 1      | 24            | 19.9      | 19.7               | 19.9 | 5    | 20.7 | 19.9      | 19.7               | 19.9 | 5    | 20.7 |           |
|          | 12     | 0             | 20.2      | 20.0               | 20.1 | 5    | 20.7 | 20.2      | 20.0               | 20.1 | 5    | 20.7 |           |
|          | 12     | 7             | 20.2      | 20.0               | 20.1 | 5    | 20.7 | 20.2      | 20.0               | 20.1 | 5    | 20.7 |           |
|          | 12     | 13            | 20.1      | 20.0               | 20.1 | 5    | 20.7 | 20.1      | 20.0               | 20.1 | 5    | 20.7 |           |
|          | 25     | 0             | 20.1      | 20.0               | 20.1 | 5    | 20.7 | 20.1      | 20.0               | 20.1 | 5    | 20.7 |           |

**LTE Band 12 Measured Results (ANT1, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |           |           |           |           | Mode B Power (dBm) |           |           |      |           |      |
|----------|--------|---------------|-----------|--------------------|-----------|-----------|-----------|-----------|--------------------|-----------|-----------|------|-----------|------|
|          |        |               |           | 23025              | 23095     | 23165     | MPR       | Max Power | 23025              | 23095     | 23165     | MPR  | Max Power |      |
|          |        |               |           | 700.5 MHz          | 707.5 MHz | 714.5 MHz |           |           | 700.5 MHz          | 707.5 MHz | 714.5 MHz |      |           |      |
| 3        | QPSK   | 1             | 0         | 24.6               | 24.4      | 24.6      | 0         | 25.7      | 24.6               | 24.4      | 24.6      | 0    | 25.7      |      |
|          |        | 1             | 8         | 24.8               | 24.6      | 24.7      | 0         | 25.7      | 24.8               | 24.6      | 24.7      | 0    | 25.7      |      |
|          |        | 1             | 14        | 24.6               | 24.4      | 24.5      | 0         | 25.7      | 24.6               | 24.4      | 24.5      | 0    | 25.7      |      |
|          |        | 8             | 0         | 24.1               | 24.0      | 24.2      | 1         | 24.7      | 24.1               | 24.0      | 24.2      | 1    | 24.7      |      |
|          |        | 8             | 4         | 24.2               | 24.1      | 24.2      | 1         | 24.7      | 24.2               | 24.1      | 24.2      | 1    | 24.7      |      |
|          |        | 8             | 7         | 24.2               | 24.0      | 24.2      | 1         | 24.7      | 24.2               | 24.0      | 24.2      | 1    | 24.7      |      |
|          | 16QAM  | 15            | 0         | 24.2               | 24.0      | 24.2      | 1         | 24.7      | 24.2               | 24.0      | 24.2      | 1    | 24.7      |      |
|          |        | 1             | 0         | 23.9               | 23.7      | 23.9      | 1         | 24.7      | 23.9               | 23.7      | 23.9      | 1    | 24.7      |      |
|          |        | 1             | 8         | 24.1               | 23.8      | 24.1      | 1         | 24.7      | 24.1               | 23.8      | 24.1      | 1    | 24.7      |      |
|          |        | 1             | 14        | 23.9               | 23.6      | 23.8      | 1         | 24.7      | 23.9               | 23.6      | 23.8      | 1    | 24.7      |      |
|          |        | 8             | 0         | 23.1               | 22.9      | 23.2      | 2         | 23.7      | 23.1               | 22.9      | 23.2      | 2    | 23.7      |      |
|          |        | 8             | 4         | 23.2               | 23.0      | 23.2      | 2         | 23.7      | 23.2               | 23.0      | 23.2      | 2    | 23.7      |      |
|          | 64QAM  | 8             | 7         | 23.2               | 23.0      | 23.2      | 2         | 23.7      | 23.2               | 23.0      | 23.2      | 2    | 23.7      |      |
|          |        | 15            | 0         | 23.2               | 23.0      | 23.1      | 2         | 23.7      | 23.2               | 23.0      | 23.1      | 2    | 23.7      |      |
|          |        | 1             | 0         | 22.7               | 22.7      | 22.7      | 2         | 23.7      | 22.7               | 22.7      | 22.7      | 2    | 23.7      |      |
|          |        | 1             | 8         | 23.0               | 22.7      | 22.9      | 2         | 23.7      | 23.0               | 22.7      | 22.9      | 2    | 23.7      |      |
|          |        | 1             | 14        | 22.8               | 22.6      | 22.7      | 2         | 23.7      | 22.8               | 22.6      | 22.7      | 2    | 23.7      |      |
|          |        | 8             | 0         | 22.1               | 21.9      | 22.2      | 3         | 22.7      | 22.1               | 21.9      | 22.2      | 3    | 22.7      |      |
|          | 256QAM | 8             | 4         | 22.2               | 22.0      | 22.1      | 3         | 22.7      | 22.2               | 22.0      | 22.1      | 3    | 22.7      |      |
|          |        | 8             | 7         | 22.2               | 21.9      | 22.2      | 3         | 22.7      | 22.2               | 21.9      | 22.2      | 3    | 22.7      |      |
|          |        | 15            | 0         | 22.2               | 21.9      | 22.1      | 3         | 22.7      | 22.2               | 21.9      | 22.1      | 3    | 22.7      |      |
|          |        | 1             | 0         | 19.7               | 19.5      | 19.7      | 5         | 20.7      | 19.7               | 19.5      | 19.7      | 5    | 20.7      |      |
|          |        | 1             | 8         | 20.0               | 19.7      | 19.9      | 5         | 20.7      | 20.0               | 19.7      | 19.9      | 5    | 20.7      |      |
|          |        | 1             | 14        | 19.8               | 19.5      | 19.6      | 5         | 20.7      | 19.8               | 19.5      | 19.6      | 5    | 20.7      |      |
| 1.4      | QPSK   | 8             | 0         | 20.1               | 19.9      | 20.1      | 5         | 20.7      | 20.1               | 19.9      | 20.1      | 5    | 20.7      |      |
|          |        | 8             | 4         | 20.2               | 19.9      | 20.1      | 5         | 20.7      | 20.2               | 19.9      | 20.1      | 5    | 20.7      |      |
|          |        | 8             | 7         | 20.2               | 19.9      | 20.1      | 5         | 20.7      | 20.2               | 19.9      | 20.1      | 5    | 20.7      |      |
|          |        | 15            | 0         | 20.1               | 19.9      | 20.1      | 5         | 20.7      | 20.1               | 19.9      | 20.1      | 5    | 20.7      |      |
|          |        | 23017         | 23095     | 23173              | MPR       | Max Power | 23017     | 23095     | 23173              | MPR       | Max Power |      |           |      |
|          |        | 699.7 MHz     | 707.5 MHz | 715.3 MHz          |           |           | 699.7 MHz | 707.5 MHz | 715.3 MHz          |           |           |      |           |      |
|          | 1.4    | QPSK          | 1         | 0                  | 24.6      | 24.4      | 24.5      | 0         | 25.7               | 24.6      | 24.4      | 24.5 | 0         | 25.7 |
|          |        |               | 1         | 3                  | 24.7      | 24.6      | 24.7      | 0         | 25.7               | 24.7      | 24.6      | 24.7 | 0         | 25.7 |
|          |        |               | 1         | 5                  | 24.6      | 24.4      | 24.5      | 0         | 25.7               | 24.6      | 24.4      | 24.5 | 0         | 25.7 |
|          |        |               | 3         | 0                  | 25.1      | 24.9      | 25.1      | 0         | 25.7               | 25.1      | 24.9      | 25.1 | 0         | 25.7 |
|          |        |               | 3         | 1                  | 25.2      | 25.0      | 25.1      | 0         | 25.7               | 25.2      | 25.0      | 25.1 | 0         | 25.7 |
|          |        |               | 3         | 3                  | 25.2      | 25.0      | 25.1      | 0         | 25.7               | 25.2      | 25.0      | 25.1 | 0         | 25.7 |
|          |        | 16QAM         | 6         | 0                  | 24.1      | 23.9      | 24.0      | 1         | 24.7               | 24.1      | 23.9      | 24.0 | 1         | 24.7 |
|          |        |               | 1         | 0                  | 23.9      | 23.7      | 23.7      | 1         | 24.7               | 23.9      | 23.7      | 23.7 | 1         | 24.7 |
|          |        |               | 1         | 3                  | 24.0      | 23.8      | 23.9      | 1         | 24.7               | 24.0      | 23.8      | 23.9 | 1         | 24.7 |
|          |        |               | 1         | 5                  | 24.0      | 23.6      | 23.8      | 1         | 24.7               | 24.0      | 23.6      | 23.8 | 1         | 24.7 |
|          |        |               | 3         | 0                  | 24.2      | 24.0      | 24.1      | 1         | 24.7               | 24.2      | 24.0      | 24.1 | 1         | 24.7 |
|          |        |               | 3         | 1                  | 24.3      | 24.0      | 24.2      | 1         | 24.7               | 24.3      | 24.0      | 24.2 | 1         | 24.7 |
|          |        | 64QAM         | 3         | 3                  | 24.3      | 24.0      | 24.2      | 1         | 24.7               | 24.3      | 24.0      | 24.2 | 1         | 24.7 |
|          |        |               | 6         | 0                  | 23.1      | 22.9      | 23.0      | 2         | 23.7               | 23.1      | 22.9      | 23.0 | 2         | 23.7 |
|          |        |               | 1         | 0                  | 22.6      | 22.6      | 22.8      | 2         | 23.7               | 22.6      | 22.6      | 22.8 | 2         | 23.7 |
|          |        |               | 1         | 3                  | 22.9      | 22.7      | 22.9      | 2         | 23.7               | 22.9      | 22.7      | 22.9 | 2         | 23.7 |
|          |        |               | 1         | 5                  | 22.7      | 22.5      | 22.7      | 2         | 23.7               | 22.7      | 22.5      | 22.7 | 2         | 23.7 |
|          |        |               | 3         | 0                  | 23.2      | 23.1      | 23.2      | 2         | 23.7               | 23.2      | 23.1      | 23.2 | 2         | 23.7 |
| 256QAM   |        | 3             | 1         | 23.2               | 23.1      | 23.2      | 2         | 23.7      | 23.2               | 23.1      | 23.2      | 2    | 23.7      |      |
|          |        | 3             | 3         | 23.3               | 23.1      | 23.3      | 2         | 23.7      | 23.3               | 23.1      | 23.3      | 2    | 23.7      |      |
|          |        | 6             | 0         | 22.1               | 21.9      | 22.1      | 3         | 22.7      | 22.1               | 21.9      | 22.1      | 3    | 22.7      |      |
|          |        | 1             | 0         | 19.6               | 19.5      | 19.8      | 5         | 20.7      | 19.6               | 19.5      | 19.8      | 5    | 20.7      |      |
|          |        | 1             | 3         | 19.8               | 19.7      | 19.9      | 5         | 20.7      | 19.8               | 19.7      | 19.9      | 5    | 20.7      |      |
|          |        | 1             | 5         | 19.7               | 19.5      | 19.7      | 5         | 20.7      | 19.7               | 19.5      | 19.7      | 5    | 20.7      |      |
| 256QAM   | 3      | 0             | 20.1      | 20.0               | 20.2      | 5         | 20.7      | 20.1      | 20.0               | 20.2      | 5         | 20.7 |           |      |
|          | 3      | 1             | 20.1      | 20.1               | 20.2      | 5         | 20.7      | 20.1      | 20.1               | 20.2      | 5         | 20.7 |           |      |
|          | 3      | 3             | 20.2      | 20.1               | 20.2      | 5         | 20.7      | 20.2      | 20.1               | 20.2      | 5         | 20.7 |           |      |
|          | 6      | 0             | 20.1      | 19.9               | 20.1      | 5         | 20.7      | 20.1      | 19.9               | 20.1      | 5         | 20.7 |           |      |

**LTE Band 12 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|----------|--------|---------------|-----------|--------------------|-----------|-----------|-----|-----------|--------------------|-----------|-----------|-----|-----------|
|          |        |               |           | 23095              |           |           | MPR | Max Power | 23095              |           |           | MPR | Max Power |
|          |        |               |           | 707.5 MHz          |           |           |     |           | 707.5 MHz          |           |           |     |           |
| 10       | QPSK   | 1             | 0         | 23.6               |           |           | 0   | 24.7      | 23.6               |           |           | 0   | 24.7      |
|          |        | 1             | 25        | 24.0               |           |           | 0   | 24.7      | 24.0               |           |           | 0   | 24.7      |
|          |        | 1             | 49        | 23.7               |           |           | 0   | 24.7      | 23.7               |           |           | 0   | 24.7      |
|          |        | 25            | 0         | 23.2               |           |           | 1   | 23.7      | 23.2               |           |           | 1   | 23.7      |
|          |        | 25            | 12        | 23.3               |           |           | 1   | 23.7      | 23.3               |           |           | 1   | 23.7      |
|          |        | 25            | 25        | 23.2               |           |           | 1   | 23.7      | 23.2               |           |           | 1   | 23.7      |
|          |        | 50            | 0         | 23.3               |           |           | 1   | 23.7      | 23.3               |           |           | 1   | 23.7      |
|          | 16QAM  | 1             | 0         | 22.7               |           |           | 1   | 23.7      | 22.7               |           |           | 1   | 23.7      |
|          |        | 1             | 25        | 22.8               |           |           | 1   | 23.7      | 22.8               |           |           | 1   | 23.7      |
|          |        | 1             | 49        | 22.7               |           |           | 1   | 23.7      | 22.7               |           |           | 1   | 23.7      |
|          |        | 25            | 0         | 21.7               |           |           | 2   | 22.7      | 21.7               |           |           | 2   | 22.7      |
|          |        | 25            | 12        | 21.8               |           |           | 2   | 22.7      | 21.8               |           |           | 2   | 22.7      |
|          |        | 25            | 25        | 21.8               |           |           | 2   | 22.7      | 21.8               |           |           | 2   | 22.7      |
|          |        | 50            | 0         | 21.8               |           |           | 2   | 22.7      | 21.8               |           |           | 2   | 22.7      |
|          | 64QAM  | 1             | 0         | 21.6               |           |           | 2   | 22.7      | 21.6               |           |           | 2   | 22.7      |
|          |        | 1             | 25        | 21.7               |           |           | 2   | 22.7      | 21.7               |           |           | 2   | 22.7      |
|          |        | 1             | 49        | 21.6               |           |           | 2   | 22.7      | 21.6               |           |           | 2   | 22.7      |
|          |        | 25            | 0         | 20.8               |           |           | 3   | 21.7      | 20.8               |           |           | 3   | 21.7      |
|          |        | 25            | 12        | 20.8               |           |           | 3   | 21.7      | 20.8               |           |           | 3   | 21.7      |
|          |        | 25            | 25        | 20.8               |           |           | 3   | 21.7      | 20.8               |           |           | 3   | 21.7      |
|          |        | 50            | 0         | 20.9               |           |           | 3   | 21.7      | 20.9               |           |           | 3   | 21.7      |
|          | 256QAM | 1             | 0         | 18.6               |           |           | 5   | 19.7      | 18.6               |           |           | 5   | 19.7      |
|          |        | 1             | 25        | 18.7               |           |           | 5   | 19.7      | 18.7               |           |           | 5   | 19.7      |
|          |        | 1             | 49        | 18.6               |           |           | 5   | 19.7      | 18.6               |           |           | 5   | 19.7      |
|          |        | 25            | 0         | 18.8               |           |           | 5   | 19.7      | 18.8               |           |           | 5   | 19.7      |
|          |        | 25            | 12        | 18.8               |           |           | 5   | 19.7      | 18.8               |           |           | 5   | 19.7      |
|          |        | 25            | 25        | 18.8               |           |           | 5   | 19.7      | 18.8               |           |           | 5   | 19.7      |
|          |        | 50            | 0         | 18.9               |           |           | 5   | 19.7      | 18.9               |           |           | 5   | 19.7      |
| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|          |        |               |           | 23035              |           |           | MPR | Max Power | 23035              |           |           | MPR | Max Power |
|          |        |               |           | 701.5 MHz          | 707.5 MHz | 713.5 MHz |     |           | 701.5 MHz          | 707.5 MHz | 713.5 MHz |     |           |
| 5        | QPSK   | 1             | 0         | 23.2               | 23.4      | 23.4      | 0   | 24.7      | 23.2               | 23.4      | 23.4      | 0   | 24.7      |
|          |        | 1             | 12        | 23.3               | 23.4      | 23.3      | 0   | 24.7      | 23.3               | 23.4      | 23.3      | 0   | 24.7      |
|          |        | 1             | 24        | 23.3               | 23.4      | 23.4      | 0   | 24.7      | 23.3               | 23.4      | 23.4      | 0   | 24.7      |
|          |        | 12            | 0         | 22.6               | 22.7      | 22.6      | 1   | 23.7      | 22.6               | 22.7      | 22.6      | 1   | 23.7      |
|          |        | 12            | 7         | 22.6               | 22.7      | 22.6      | 1   | 23.7      | 22.6               | 22.7      | 22.6      | 1   | 23.7      |
|          |        | 12            | 13        | 22.6               | 22.8      | 22.6      | 1   | 23.7      | 22.6               | 22.8      | 22.6      | 1   | 23.7      |
|          |        | 25            | 0         | 22.6               | 22.7      | 22.6      | 1   | 23.7      | 22.6               | 22.7      | 22.6      | 1   | 23.7      |
|          | 16QAM  | 1             | 0         | 22.6               | 22.6      | 22.7      | 1   | 23.7      | 22.6               | 22.6      | 22.7      | 1   | 23.7      |
|          |        | 1             | 12        | 22.6               | 22.5      | 22.6      | 1   | 23.7      | 22.6               | 22.5      | 22.6      | 1   | 23.7      |
|          |        | 1             | 24        | 22.6               | 22.6      | 22.6      | 1   | 23.7      | 22.6               | 22.6      | 22.6      | 1   | 23.7      |
|          |        | 12            | 0         | 21.6               | 21.6      | 21.5      | 2   | 22.7      | 21.6               | 21.6      | 21.5      | 2   | 22.7      |
|          |        | 12            | 7         | 21.6               | 21.6      | 21.5      | 2   | 22.7      | 21.6               | 21.6      | 21.5      | 2   | 22.7      |
|          |        | 12            | 13        | 21.6               | 21.7      | 21.5      | 2   | 22.7      | 21.6               | 21.7      | 21.5      | 2   | 22.7      |
|          |        | 25            | 0         | 21.6               | 21.6      | 21.5      | 2   | 22.7      | 21.6               | 21.6      | 21.5      | 2   | 22.7      |
|          | 64QAM  | 1             | 0         | 21.4               | 21.6      | 21.6      | 2   | 22.7      | 21.4               | 21.6      | 21.6      | 2   | 22.7      |
|          |        | 1             | 12        | 21.5               | 21.5      | 21.5      | 2   | 22.7      | 21.5               | 21.5      | 21.5      | 2   | 22.7      |
|          |        | 1             | 24        | 21.4               | 21.6      | 21.5      | 2   | 22.7      | 21.4               | 21.6      | 21.5      | 2   | 22.7      |
|          |        | 12            | 0         | 20.6               | 20.7      | 20.6      | 3   | 21.7      | 20.6               | 20.7      | 20.6      | 3   | 21.7      |
|          |        | 12            | 7         | 20.6               | 20.7      | 20.6      | 3   | 21.7      | 20.6               | 20.7      | 20.6      | 3   | 21.7      |
|          |        | 12            | 13        | 20.6               | 20.7      | 20.5      | 3   | 21.7      | 20.6               | 20.7      | 20.5      | 3   | 21.7      |
|          |        | 25            | 0         | 20.6               | 20.7      | 20.5      | 3   | 21.7      | 20.6               | 20.7      | 20.5      | 3   | 21.7      |
|          | 256QAM | 1             | 0         | 18.3               | 18.5      | 18.5      | 5   | 19.7      | 18.3               | 18.5      | 18.5      | 5   | 19.7      |
|          |        | 1             | 12        | 18.3               | 18.5      | 18.4      | 5   | 19.7      | 18.3               | 18.5      | 18.4      | 5   | 19.7      |
|          |        | 1             | 24        | 18.4               | 18.5      | 18.4      | 5   | 19.7      | 18.4               | 18.5      | 18.4      | 5   | 19.7      |
|          |        | 12            | 0         | 18.5               | 18.7      | 18.6      | 5   | 19.7      | 18.5               | 18.7      | 18.6      | 5   | 19.7      |
|          |        | 12            | 7         | 18.6               | 18.7      | 18.6      | 5   | 19.7      | 18.6               | 18.7      | 18.6      | 5   | 19.7      |
|          |        | 12            | 13        | 18.6               | 18.8      | 18.5      | 5   | 19.7      | 18.6               | 18.8      | 18.5      | 5   | 19.7      |
|          |        | 25            | 0         | 18.6               | 18.7      | 18.6      | 5   | 19.7      | 18.6               | 18.7      | 18.6      | 5   | 19.7      |

**LTE Band 12 Measured Results (ANT2, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |           |           |      |           | Mode B Power (dBm) |           |           |      |           |
|----------|--------|---------------|-----------|--------------------|-----------|-----------|------|-----------|--------------------|-----------|-----------|------|-----------|
|          |        |               |           | 23025              | 23095     | 23165     | MPR  | Max Power | 23025              | 23095     | 23165     | MPR  | Max Power |
|          |        |               |           | 700.5 MHz          | 707.5 MHz | 714.5 MHz |      |           | 700.5 MHz          | 707.5 MHz | 714.5 MHz |      |           |
| 3        | QPSK   | 1             | 0         | 23.1               | 23.2      | 23.1      | 0    | 24.7      | 23.1               | 23.2      | 23.1      | 0    | 24.7      |
|          |        | 1             | 8         | 23.3               | 23.4      | 23.3      | 0    | 24.7      | 23.3               | 23.4      | 23.3      | 0    | 24.7      |
|          |        | 1             | 14        | 23.2               | 23.3      | 23.1      | 0    | 24.7      | 23.2               | 23.3      | 23.1      | 0    | 24.7      |
|          |        | 8             | 0         | 22.5               | 22.6      | 22.5      | 1    | 23.7      | 22.5               | 22.6      | 22.5      | 1    | 23.7      |
|          |        | 8             | 4         | 22.6               | 22.6      | 22.6      | 1    | 23.7      | 22.6               | 22.6      | 22.6      | 1    | 23.7      |
|          |        | 8             | 7         | 22.6               | 22.6      | 22.5      | 1    | 23.7      | 22.6               | 22.6      | 22.5      | 1    | 23.7      |
|          | 16QAM  | 15            | 0         | 22.5               | 22.6      | 22.5      | 1    | 23.7      | 22.5               | 22.6      | 22.5      | 1    | 23.7      |
|          |        | 1             | 0         | 22.2               | 22.5      | 22.5      | 1    | 23.7      | 22.2               | 22.5      | 22.5      | 1    | 23.7      |
|          |        | 1             | 8         | 22.4               | 22.7      | 22.5      | 1    | 23.7      | 22.4               | 22.7      | 22.5      | 1    | 23.7      |
|          |        | 1             | 14        | 22.3               | 22.5      | 22.4      | 1    | 23.7      | 22.3               | 22.5      | 22.4      | 1    | 23.7      |
|          |        | 8             | 0         | 21.4               | 21.6      | 21.4      | 2    | 22.7      | 21.4               | 21.6      | 21.4      | 2    | 22.7      |
|          |        | 8             | 4         | 21.5               | 21.7      | 21.4      | 2    | 22.7      | 21.5               | 21.7      | 21.4      | 2    | 22.7      |
|          | 64QAM  | 8             | 7         | 21.5               | 21.7      | 21.4      | 2    | 22.7      | 21.5               | 21.7      | 21.4      | 2    | 22.7      |
|          |        | 15            | 0         | 21.4               | 21.6      | 21.4      | 2    | 22.7      | 21.4               | 21.6      | 21.4      | 2    | 22.7      |
|          |        | 1             | 0         | 21.1               | 21.3      | 21.4      | 2    | 22.7      | 21.1               | 21.3      | 21.4      | 2    | 22.7      |
|          |        | 1             | 8         | 21.3               | 21.5      | 21.5      | 2    | 22.7      | 21.3               | 21.5      | 21.5      | 2    | 22.7      |
|          |        | 1             | 14        | 21.2               | 21.3      | 21.2      | 2    | 22.7      | 21.2               | 21.3      | 21.2      | 2    | 22.7      |
|          |        | 8             | 0         | 20.5               | 20.6      | 20.5      | 3    | 21.7      | 20.5               | 20.6      | 20.5      | 3    | 21.7      |
|          | 256QAM | 8             | 4         | 20.6               | 20.6      | 20.5      | 3    | 21.7      | 20.6               | 20.6      | 20.5      | 3    | 21.7      |
|          |        | 8             | 7         | 20.5               | 20.6      | 20.5      | 3    | 21.7      | 20.5               | 20.6      | 20.5      | 3    | 21.7      |
|          |        | 15            | 0         | 20.5               | 20.5      | 20.4      | 3    | 21.7      | 20.5               | 20.5      | 20.4      | 3    | 21.7      |
|          |        | 1             | 0         | 18.2               | 18.2      | 18.3      | 5    | 19.7      | 18.2               | 18.2      | 18.3      | 5    | 19.7      |
|          |        | 1             | 8         | 18.4               | 18.4      | 18.5      | 5    | 19.7      | 18.4               | 18.4      | 18.5      | 5    | 19.7      |
|          |        | 1             | 14        | 18.3               | 18.4      | 18.3      | 5    | 19.7      | 18.3               | 18.4      | 18.3      | 5    | 19.7      |
| 1.4      | QPSK   | 8             | 0         | 18.4               | 18.5      | 18.5      | 5    | 19.7      | 18.4               | 18.5      | 18.5      | 5    | 19.7      |
|          |        | 8             | 4         | 18.5               | 18.6      | 18.5      | 5    | 19.7      | 18.5               | 18.6      | 18.5      | 5    | 19.7      |
|          |        | 8             | 7         | 18.5               | 18.6      | 18.5      | 5    | 19.7      | 18.5               | 18.6      | 18.5      | 5    | 19.7      |
|          |        | 15            | 0         | 18.5               | 18.6      | 18.5      | 5    | 19.7      | 18.5               | 18.6      | 18.5      | 5    | 19.7      |
|          |        | 1             | 0         | 23.0               | 23.2      | 23.0      | 0    | 24.7      | 23.0               | 23.2      | 23.0      | 0    | 24.7      |
|          |        | 1             | 3         | 23.2               | 23.4      | 23.2      | 0    | 24.7      | 23.2               | 23.4      | 23.2      | 0    | 24.7      |
|          | 16QAM  | 1             | 5         | 23.1               | 23.2      | 23.1      | 0    | 24.7      | 23.1               | 23.2      | 23.1      | 0    | 24.7      |
|          |        | 3             | 0         | 23.3               | 23.5      | 23.5      | 0    | 24.7      | 23.3               | 23.5      | 23.5      | 0    | 24.7      |
|          |        | 3             | 1         | 23.4               | 23.6      | 23.6      | 0    | 24.7      | 23.4               | 23.6      | 23.6      | 0    | 24.7      |
|          |        | 3             | 3         | 23.4               | 23.6      | 23.5      | 0    | 24.7      | 23.4               | 23.6      | 23.5      | 0    | 24.7      |
|          |        | 6             | 0         | 22.4               | 22.6      | 22.4      | 1    | 23.7      | 22.4               | 22.6      | 22.4      | 1    | 23.7      |
|          |        | 1             | 0         | 22.3               | 22.4      | 22.4      | 1    | 23.7      | 22.3               | 22.4      | 22.4      | 1    | 23.7      |
|          | 64QAM  | 1             | 3         | 22.4               | 22.6      | 22.7      | 1    | 23.7      | 22.4               | 22.6      | 22.7      | 1    | 23.7      |
|          |        | 1             | 5         | 22.3               | 22.4      | 22.4      | 1    | 23.7      | 22.3               | 22.4      | 22.4      | 1    | 23.7      |
|          |        | 3             | 0         | 22.5               | 22.6      | 22.6      | 1    | 23.7      | 22.5               | 22.6      | 22.6      | 1    | 23.7      |
|          |        | 3             | 1         | 22.5               | 22.7      | 22.6      | 1    | 23.7      | 22.5               | 22.7      | 22.6      | 1    | 23.7      |
|          |        | 3             | 3         | 22.5               | 22.7      | 22.7      | 1    | 23.7      | 22.5               | 22.7      | 22.7      | 1    | 23.7      |
|          |        | 6             | 0         | 21.5               | 21.6      | 21.5      | 2    | 22.7      | 21.5               | 21.6      | 21.5      | 2    | 22.7      |
|          | 256QAM | 1             | 0         | 21.2               | 21.2      | 21.2      | 2    | 22.7      | 21.2               | 21.2      | 21.2      | 2    | 22.7      |
|          |        | 1             | 3         | 21.4               | 21.5      | 21.4      | 2    | 22.7      | 21.4               | 21.5      | 21.4      | 2    | 22.7      |
|          |        | 1             | 5         | 21.2               | 21.3      | 21.2      | 2    | 22.7      | 21.2               | 21.3      | 21.2      | 2    | 22.7      |
|          |        | 3             | 0         | 21.4               | 21.7      | 21.5      | 2    | 22.7      | 21.4               | 21.7      | 21.5      | 2    | 22.7      |
|          |        | 3             | 1         | 21.5               | 21.8      | 21.6      | 2    | 22.7      | 21.5               | 21.8      | 21.6      | 2    | 22.7      |
|          |        | 3             | 3         | 21.5               | 21.8      | 21.6      | 2    | 22.7      | 21.5               | 21.8      | 21.6      | 2    | 22.7      |
| QPSK     | 6      | 0             | 20.4      | 20.5               | 20.4      | 3         | 21.7 | 20.4      | 20.5               | 20.4      | 3         | 21.7 |           |
|          | 1      | 0             | 17.8      | 18.3               | 18.2      | 5         | 19.7 | 17.8      | 18.3               | 18.2      | 5         | 19.7 |           |
|          | 1      | 3             | 18.2      | 18.5               | 18.5      | 5         | 19.7 | 18.2      | 18.5               | 18.5      | 5         | 19.7 |           |
|          | 1      | 5             | 18.1      | 18.2               | 18.3      | 5         | 19.7 | 18.1      | 18.2               | 18.3      | 5         | 19.7 |           |
|          | 3      | 0             | 18.4      | 18.7               | 18.6      | 5         | 19.7 | 18.4      | 18.7               | 18.6      | 5         | 19.7 |           |
|          | 3      | 1             | 18.4      | 18.7               | 18.7      | 5         | 19.7 | 18.4      | 18.7               | 18.7      | 5         | 19.7 |           |
| 16QAM    | 3      | 3             | 18.4      | 18.7               | 18.6      | 5         | 19.7 | 18.4      | 18.7               | 18.6      | 5         | 19.7 |           |
|          | 6      | 0             | 18.4      | 18.6               | 18.5      | 5         | 19.7 | 18.4      | 18.6               | 18.5      | 5         | 19.7 |           |



**LTE Band 13 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |      |      |           | Mode B Power (dBm) |      |      |           |
|----------|--------|---------------|-----------|--------------------|------|------|-----------|--------------------|------|------|-----------|
|          |        |               |           | 23230              |      | MPR  | Max Power | 23230              |      | MPR  | Max Power |
|          |        |               |           | 782 MHz            |      |      |           | 782 MHz            |      |      |           |
| 10       | QPSK   | 1             | 0         | 25.2               |      | 0    | 25.7      | 25.2               |      | 0    | 25.7      |
|          |        | 1             | 25        | 25.2               |      | 0    | 25.7      | 25.2               |      | 0    | 25.7      |
|          |        | 1             | 49        | 25.1               |      | 0    | 25.7      | 25.1               |      | 0    | 25.7      |
|          |        | 25            | 0         | 24.5               |      | 1    | 24.7      | 24.5               |      | 1    | 24.7      |
|          |        | 25            | 12        | 24.6               |      | 1    | 24.7      | 24.6               |      | 1    | 24.7      |
|          |        | 25            | 25        | 24.5               |      | 1    | 24.7      | 24.5               |      | 1    | 24.7      |
|          | 16QAM  | 50            | 0         | 24.6               |      | 1    | 24.7      | 24.6               |      | 1    | 24.7      |
|          |        | 1             | 0         | 24.2               |      | 1    | 24.7      | 24.2               |      | 1    | 24.7      |
|          |        | 1             | 25        | 24.2               |      | 1    | 24.7      | 24.2               |      | 1    | 24.7      |
|          |        | 1             | 49        | 24.1               |      | 1    | 24.7      | 24.1               |      | 1    | 24.7      |
|          |        | 25            | 0         | 23.4               |      | 2    | 23.7      | 23.4               |      | 2    | 23.7      |
|          |        | 25            | 12        | 23.4               |      | 2    | 23.7      | 23.4               |      | 2    | 23.7      |
|          | 64QAM  | 25            | 25        | 23.4               |      | 2    | 23.7      | 23.4               |      | 2    | 23.7      |
|          |        | 50            | 0         | 23.5               |      | 2    | 23.7      | 23.5               |      | 2    | 23.7      |
|          |        | 1             | 0         | 23.1               |      | 2    | 23.7      | 23.1               |      | 2    | 23.7      |
|          |        | 1             | 25        | 23.0               |      | 2    | 23.7      | 23.0               |      | 2    | 23.7      |
|          |        | 1             | 49        | 23.0               |      | 2    | 23.7      | 23.0               |      | 2    | 23.7      |
|          |        | 25            | 0         | 22.4               |      | 3    | 22.7      | 22.4               |      | 3    | 22.7      |
|          | 256QAM | 25            | 12        | 22.3               |      | 3    | 22.7      | 22.3               |      | 3    | 22.7      |
|          |        | 25            | 25        | 22.5               |      | 3    | 22.7      | 22.5               |      | 3    | 22.7      |
|          |        | 50            | 0         | 22.6               |      | 3    | 22.7      | 22.6               |      | 3    | 22.7      |
|          |        | 1             | 0         | 20.1               |      | 5    | 20.7      | 20.1               |      | 5    | 20.7      |
|          |        | 1             | 25        | 20.1               |      | 5    | 20.7      | 20.1               |      | 5    | 20.7      |
|          |        | 1             | 49        | 20.1               |      | 5    | 20.7      | 20.1               |      | 5    | 20.7      |
| 5        | QPSK   | 25            | 0         | 20.4               |      | 5    | 20.7      | 20.4               |      | 5    | 20.7      |
|          |        | 25            | 12        | 20.4               |      | 5    | 20.7      | 20.4               |      | 5    | 20.7      |
|          |        | 25            | 25        | 20.4               |      | 5    | 20.7      | 20.4               |      | 5    | 20.7      |
|          |        | 50            | 0         | 20.5               |      | 5    | 20.7      | 20.5               |      | 5    | 20.7      |
|          |        | 1             | 0         | 25.0               |      | 0    | 25.7      | 25.0               |      | 0    | 25.7      |
|          |        | 1             | 12        | 25.0               |      | 0    | 25.7      | 25.0               |      | 0    | 25.7      |
|          | 16QAM  | 1             | 24        | 25.0               |      | 0    | 25.7      | 25.0               |      | 0    | 25.7      |
|          |        | 12            | 0         | 24.4               |      | 1    | 24.7      | 24.4               |      | 1    | 24.7      |
|          |        | 12            | 7         | 24.4               |      | 1    | 24.7      | 24.4               |      | 1    | 24.7      |
|          |        | 12            | 13        | 24.4               |      | 1    | 24.7      | 24.4               |      | 1    | 24.7      |
|          |        | 25            | 0         | 24.5               |      | 1    | 24.7      | 24.5               |      | 1    | 24.7      |
|          |        | 1             | 0         | 24.3               |      | 1    | 24.7      | 24.3               |      | 1    | 24.7      |
| 64QAM    | 1      | 12            | 24.4      |                    | 1    | 24.7 | 24.4      |                    | 1    | 24.7 |           |
|          | 1      | 24            | 24.4      |                    | 1    | 24.7 | 24.4      |                    | 1    | 24.7 |           |
|          | 12     | 0             | 23.3      |                    | 2    | 23.7 | 23.3      |                    | 2    | 23.7 |           |
|          | 12     | 7             | 23.4      |                    | 2    | 23.7 | 23.4      |                    | 2    | 23.7 |           |
|          | 12     | 13            | 23.4      |                    | 2    | 23.7 | 23.4      |                    | 2    | 23.7 |           |
|          | 25     | 0             | 23.4      |                    | 2    | 23.7 | 23.4      |                    | 2    | 23.7 |           |
| 256QAM   | 1      | 0             | 23.1      |                    | 2    | 23.7 | 23.1      |                    | 2    | 23.7 |           |
|          | 1      | 12            | 23.1      |                    | 2    | 23.7 | 23.1      |                    | 2    | 23.7 |           |
|          | 1      | 24            | 23.1      |                    | 2    | 23.7 | 23.1      |                    | 2    | 23.7 |           |
|          | 12     | 0             | 22.3      |                    | 3    | 22.7 | 22.3      |                    | 3    | 22.7 |           |
|          | 12     | 7             | 22.4      |                    | 3    | 22.7 | 22.4      |                    | 3    | 22.7 |           |
|          | 12     | 13            | 22.4      |                    | 3    | 22.7 | 22.4      |                    | 3    | 22.7 |           |
| 5        | 256QAM | 25            | 0         | 22.5               |      | 3    | 22.7      | 22.5               |      | 3    | 22.7      |
|          |        | 1             | 0         | 20.1               |      | 5    | 20.7      | 20.1               |      | 5    | 20.7      |
|          |        | 1             | 12        | 20.1               |      | 5    | 20.7      | 20.1               |      | 5    | 20.7      |
|          |        | 1             | 24        | 20.1               |      | 5    | 20.7      | 20.1               |      | 5    | 20.7      |
|          |        | 12            | 0         | 20.3               |      | 5    | 20.7      | 20.3               |      | 5    | 20.7      |
|          |        | 12            | 7         | 20.4               |      | 5    | 20.7      | 20.4               |      | 5    | 20.7      |
| 12       | 13     | 20.4          |           | 5                  | 20.7 | 20.4 |           | 5                  | 20.7 |      |           |
| 25       | 0      | 20.4          |           | 5                  | 20.7 | 20.4 |           | 5                  | 20.7 |      |           |

**LTE Band 13 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |      |      |           | Mode B Power (dBm) |      |      |           |
|----------|--------|---------------|-----------|--------------------|------|------|-----------|--------------------|------|------|-----------|
|          |        |               |           | 23230              |      | MPR  | Max Power | 23230              |      | MPR  | Max Power |
|          |        |               |           | 782 MHz            |      |      |           | 782 MHz            |      |      |           |
| 10       | QPSK   | 1             | 0         | 23.1               |      | 0    | 23.7      | 23.6               |      | 0    | 24.7      |
|          |        | 1             | 25        | 23.1               |      | 0    | 23.7      | 23.7               |      | 0    | 24.7      |
|          |        | 1             | 49        | 23.2               |      | 0    | 23.7      | 23.7               |      | 0    | 24.7      |
|          |        | 25            | 0         | 23.2               |      | 0    | 23.7      | 23.0               |      | 1    | 23.7      |
|          |        | 25            | 12        | 23.1               |      | 0    | 23.7      | 23.1               |      | 1    | 23.7      |
|          |        | 25            | 25        | 23.1               |      | 0    | 23.7      | 23.1               |      | 1    | 23.7      |
|          | 16QAM  | 50            | 0         | 23.3               |      | 0    | 23.7      | 23.1               |      | 1    | 23.7      |
|          |        | 1             | 0         | 23.0               |      | 0    | 23.7      | 23.0               |      | 1    | 23.7      |
|          |        | 1             | 25        | 23.0               |      | 0    | 23.7      | 23.0               |      | 1    | 23.7      |
|          |        | 1             | 49        | 23.1               |      | 0    | 23.7      | 22.9               |      | 1    | 23.7      |
|          |        | 25            | 0         | 22.2               |      | 1    | 22.7      | 21.9               |      | 2    | 22.7      |
|          |        | 25            | 12        | 22.1               |      | 1    | 22.7      | 22.0               |      | 2    | 22.7      |
|          | 64QAM  | 25            | 25        | 22.1               |      | 1    | 22.7      | 22.1               |      | 2    | 22.7      |
|          |        | 50            | 0         | 22.2               |      | 1    | 22.7      | 22.1               |      | 2    | 22.7      |
|          |        | 1             | 0         | 22.0               |      | 1    | 22.7      | 21.9               |      | 2    | 22.7      |
|          |        | 1             | 25        | 21.8               |      | 1    | 22.7      | 21.9               |      | 2    | 22.7      |
|          |        | 1             | 49        | 21.9               |      | 1    | 22.7      | 21.9               |      | 2    | 22.7      |
|          |        | 25            | 0         | 21.2               |      | 2    | 21.7      | 20.9               |      | 3    | 21.7      |
|          | 256QAM | 25            | 12        | 21.2               |      | 2    | 21.7      | 21.0               |      | 3    | 21.7      |
|          |        | 50            | 0         | 21.3               |      | 2    | 21.7      | 21.1               |      | 3    | 21.7      |
|          |        | 1             | 0         | 18.8               |      | 4    | 19.7      | 18.9               |      | 5    | 19.7      |
|          |        | 1             | 25        | 18.7               |      | 4    | 19.7      | 18.8               |      | 5    | 19.7      |
|          |        | 1             | 49        | 18.9               |      | 4    | 19.7      | 18.8               |      | 5    | 19.7      |
|          |        | 25            | 0         | 19.2               |      | 4    | 19.7      | 18.9               |      | 5    | 19.7      |
| 5        | QPSK   | 25            | 12        | 19.1               |      | 4    | 19.7      | 19.0               |      | 5    | 19.7      |
|          |        | 25            | 25        | 19.1               |      | 4    | 19.7      | 19.0               |      | 5    | 19.7      |
|          |        | 50            | 0         | 19.2               |      | 4    | 19.7      | 19.0               |      | 5    | 19.7      |
|          |        | 1             | 0         | 23.2               |      | 0    | 23.7      | 23.1               |      | 0    | 24.7      |
|          |        | 1             | 12        | 23.2               |      | 0    | 23.7      | 23.7               |      | 0    | 24.7      |
|          |        | 1             | 24        | 23.2               |      | 0    | 23.7      | 23.8               |      | 0    | 24.7      |
|          | 16QAM  | 12            | 0         | 23.1               |      | 0    | 23.7      | 23.0               |      | 1    | 23.7      |
|          |        | 12            | 7         | 23.1               |      | 0    | 23.7      | 23.1               |      | 1    | 23.7      |
|          |        | 12            | 13        | 23.2               |      | 0    | 23.7      | 23.0               |      | 1    | 23.7      |
|          |        | 25            | 0         | 23.2               |      | 0    | 23.7      | 23.1               |      | 1    | 23.7      |
|          |        | 1             | 0         | 23.1               |      | 0    | 23.7      | 23.0               |      | 1    | 23.7      |
|          |        | 1             | 12        | 23.0               |      | 0    | 23.7      | 23.0               |      | 1    | 23.7      |
|          | 64QAM  | 1             | 24        | 23.0               |      | 0    | 23.7      | 23.1               |      | 1    | 23.7      |
|          |        | 12            | 0         | 22.7               |      | 1    | 22.7      | 22.0               |      | 2    | 22.7      |
|          |        | 12            | 7         | 22.7               |      | 1    | 22.7      | 21.9               |      | 2    | 22.7      |
|          |        | 12            | 13        | 22.7               |      | 1    | 22.7      | 21.9               |      | 2    | 22.7      |
|          |        | 25            | 0         | 22.7               |      | 1    | 22.7      | 22.0               |      | 2    | 22.7      |
|          |        | 1             | 0         | 21.9               |      | 1    | 22.7      | 21.9               |      | 2    | 22.7      |
|          | 256QAM | 1             | 12        | 22.0               |      | 1    | 22.7      | 21.8               |      | 2    | 22.7      |
|          |        | 1             | 24        | 21.9               |      | 1    | 22.7      | 22.0               |      | 2    | 22.7      |
|          |        | 12            | 0         | 21.1               |      | 2    | 21.7      | 21.0               |      | 3    | 21.7      |
|          |        | 12            | 7         | 21.1               |      | 2    | 21.7      | 21.0               |      | 3    | 21.7      |
|          |        | 12            | 13        | 21.2               |      | 2    | 21.7      | 21.0               |      | 3    | 21.7      |
|          |        | 25            | 0         | 21.2               |      | 2    | 21.7      | 21.0               |      | 3    | 21.7      |
| 256QAM   | 1      | 0             | 18.9      |                    | 4    | 19.7 | 18.9      |                    | 5    | 19.7 |           |
|          | 1      | 12            | 18.8      |                    | 4    | 19.7 | 18.9      |                    | 5    | 19.7 |           |
|          | 1      | 24            | 18.8      |                    | 4    | 19.7 | 19.0      |                    | 5    | 19.7 |           |
|          | 12     | 0             | 19.1      |                    | 4    | 19.7 | 19.0      |                    | 5    | 19.7 |           |
|          | 12     | 7             | 19.0      |                    | 4    | 19.7 | 19.0      |                    | 5    | 19.7 |           |
|          | 12     | 13            | 19.1      |                    | 4    | 19.7 | 19.0      |                    | 5    | 19.7 |           |
| 25       | 0      | 19.1          |           | 4                  | 19.7 | 19.0 |           | 5                  | 19.7 |      |           |

**LTE Band 14 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |      |      |           | Mode B Power (dBm) |      |      |           |
|----------|--------|---------------|-----------|--------------------|------|------|-----------|--------------------|------|------|-----------|
|          |        |               |           | 23330              |      | MPR  | Max Power | 23330              |      | MPR  | Max Power |
|          |        |               |           | 793 MHz            |      |      |           | 793 MHz            |      |      |           |
| 10       | QPSK   | 1             | 0         | 25.3               |      | 0    | 25.7      | 24.6               |      | 0    | 25.7      |
|          |        | 1             | 25        | 25.3               |      | 0    | 25.7      | 24.7               |      | 0    | 25.7      |
|          |        | 1             | 49        | 25.2               |      | 0    | 25.7      | 24.6               |      | 0    | 25.7      |
|          |        | 25            | 0         | 24.5               |      | 1    | 24.7      | 24.1               |      | 1    | 24.7      |
|          |        | 25            | 12        | 24.6               |      | 1    | 24.7      | 24.2               |      | 1    | 24.7      |
|          |        | 25            | 25        | 24.5               |      | 1    | 24.7      | 24.1               |      | 1    | 24.7      |
|          | 16QAM  | 50            | 0         | 24.5               |      | 1    | 24.7      | 24.2               |      | 1    | 24.7      |
|          |        | 1             | 0         | 24.3               |      | 1    | 24.7      | 24.3               |      | 1    | 24.7      |
|          |        | 1             | 25        | 24.3               |      | 1    | 24.7      | 24.3               |      | 1    | 24.7      |
|          |        | 1             | 49        | 24.3               |      | 1    | 24.7      | 24.3               |      | 1    | 24.7      |
|          |        | 25            | 0         | 23.5               |      | 2    | 23.7      | 23.5               |      | 2    | 23.7      |
|          |        | 25            | 12        | 23.5               |      | 2    | 23.7      | 23.5               |      | 2    | 23.7      |
|          | 64QAM  | 25            | 25        | 23.4               |      | 2    | 23.7      | 23.4               |      | 2    | 23.7      |
|          |        | 50            | 0         | 23.5               |      | 2    | 23.7      | 23.5               |      | 2    | 23.7      |
|          |        | 1             | 0         | 23.2               |      | 2    | 23.7      | 23.2               |      | 2    | 23.7      |
|          |        | 1             | 25        | 23.1               |      | 2    | 23.7      | 23.1               |      | 2    | 23.7      |
|          |        | 1             | 49        | 23.2               |      | 2    | 23.7      | 23.2               |      | 2    | 23.7      |
|          |        | 25            | 0         | 22.5               |      | 3    | 22.7      | 22.5               |      | 3    | 22.7      |
|          | 256QAM | 25            | 12        | 22.5               |      | 3    | 22.7      | 22.5               |      | 3    | 22.7      |
|          |        | 25            | 25        | 22.4               |      | 3    | 22.7      | 22.4               |      | 3    | 22.7      |
|          |        | 50            | 0         | 22.5               |      | 3    | 22.7      | 22.5               |      | 3    | 22.7      |
|          |        | 1             | 0         | 20.2               |      | 5    | 20.7      | 20.2               |      | 5    | 20.7      |
|          |        | 1             | 25        | 20.1               |      | 5    | 20.7      | 20.1               |      | 5    | 20.7      |
|          |        | 1             | 49        | 20.1               |      | 5    | 20.7      | 20.1               |      | 5    | 20.7      |
| 5        | QPSK   | 25            | 0         | 20.5               |      | 5    | 20.7      | 20.5               |      | 5    | 20.7      |
|          |        | 25            | 25        | 20.4               |      | 5    | 20.7      | 20.4               |      | 5    | 20.7      |
|          |        | 50            | 0         | 20.5               |      | 5    | 20.7      | 20.5               |      | 5    | 20.7      |
|          |        | 1             | 0         | 25.0               |      | 0    | 25.7      | 25.0               |      | 0    | 25.7      |
|          |        | 1             | 12        | 25.0               |      | 0    | 25.7      | 25.0               |      | 0    | 25.7      |
|          |        | 1             | 24        | 25.0               |      | 0    | 25.7      | 25.0               |      | 0    | 25.7      |
|          | 16QAM  | 12            | 0         | 24.5               |      | 1    | 24.7      | 24.5               |      | 1    | 24.7      |
|          |        | 12            | 7         | 24.5               |      | 1    | 24.7      | 24.5               |      | 1    | 24.7      |
|          |        | 12            | 13        | 24.5               |      | 1    | 24.7      | 24.5               |      | 1    | 24.7      |
|          |        | 25            | 0         | 24.5               |      | 1    | 24.7      | 24.5               |      | 1    | 24.7      |
|          |        | 1             | 0         | 24.2               |      | 1    | 24.7      | 24.2               |      | 1    | 24.7      |
|          |        | 1             | 12        | 24.3               |      | 1    | 24.7      | 24.3               |      | 1    | 24.7      |
| 64QAM    | 1      | 24            | 24.4      |                    | 1    | 24.7 | 24.4      |                    | 1    | 24.7 |           |
|          | 12     | 0             | 23.5      |                    | 2    | 23.7 | 23.5      |                    | 2    | 23.7 |           |
|          | 12     | 7             | 23.4      |                    | 2    | 23.7 | 23.4      |                    | 2    | 23.7 |           |
|          | 12     | 13            | 23.4      |                    | 2    | 23.7 | 23.4      |                    | 2    | 23.7 |           |
|          | 25     | 0             | 23.4      |                    | 2    | 23.7 | 23.4      |                    | 2    | 23.7 |           |
|          | 1      | 0             | 23.2      |                    | 2    | 23.7 | 23.2      |                    | 2    | 23.7 |           |
| 256QAM   | 1      | 12            | 23.1      |                    | 2    | 23.7 | 23.1      |                    | 2    | 23.7 |           |
|          | 1      | 24            | 23.2      |                    | 2    | 23.7 | 23.2      |                    | 2    | 23.7 |           |
|          | 12     | 0             | 22.5      |                    | 3    | 22.7 | 22.5      |                    | 3    | 22.7 |           |
|          | 12     | 7             | 22.4      |                    | 3    | 22.7 | 22.4      |                    | 3    | 22.7 |           |
|          | 12     | 13            | 22.4      |                    | 3    | 22.7 | 22.4      |                    | 3    | 22.7 |           |
|          | 25     | 0             | 22.4      |                    | 3    | 22.7 | 22.4      |                    | 3    | 22.7 |           |
| 256QAM   | 1      | 0             | 20.1      |                    | 5    | 20.7 | 20.1      |                    | 5    | 20.7 |           |
|          | 1      | 12            | 20.0      |                    | 5    | 20.7 | 20.0      |                    | 5    | 20.7 |           |
|          | 1      | 24            | 20.1      |                    | 5    | 20.7 | 20.1      |                    | 5    | 20.7 |           |
|          | 12     | 0             | 20.5      |                    | 5    | 20.7 | 20.5      |                    | 5    | 20.7 |           |
|          | 12     | 7             | 20.4      |                    | 5    | 20.7 | 20.4      |                    | 5    | 20.7 |           |
|          | 12     | 13            | 20.4      |                    | 5    | 20.7 | 20.4      |                    | 5    | 20.7 |           |
| 25       | 0      | 20.4          |           | 5                  | 20.7 | 20.4 |           | 5                  | 20.7 |      |           |

**LTE Band 14 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Mode  | RB Allocation   | RB Offset   | Mode A Power (dBm)  |  |                    |  | (10/25/2024)   | Power (dBm)   |                    |                                    |                                    |           |  |
|----------|---|---|---|---|--|--------------------|--|--|---|--------------------|------------------------------------|------------------------------------|-----------|--|
|          |   |   |   | 23330   |  | MPR                | Max Power  | 23330  |   | MPR                | Max Power                          |                                    |           |  |
|          |   |   |   | 793 MHz   |  |                    |  | 793 MHz  |   |                    |                                    |                                    |           |  |
| 10       | QPSK  | 1   | 0   | 22.8  |  | 0                  | 23.7   | 23.6   |   | 0                  | 24.7                               |                                    |           |  |
|          |   | 1   | 25  | 22.8  |  | 0                  | 23.7   | 23.8   |   | 0                  | 24.7                               |                                    |           |  |
|          |   | 1   | 49  | 22.8  |  | 0                  | 23.7   | 23.6   |   | 0                  | 24.7                               |                                    |           |  |
|          |   | 25  | 0   | 23.0  |  | 0                  | 23.7   | 23.0   |   | 1                  | 23.7                               |                                    |           |  |
|          |   | 25  | 12  | 23.0  |  | 0                  | 23.7   | 23.1   |   | 1                  | 23.7                               |                                    |           |  |
|          |   | 25  | 25  | 23.0  |  | 0                  | 23.7   | 23.1   |   | 1                  | 23.7                               |                                    |           |  |
|          | 16QAM   | 50  | 0   | 23.1  |  | 0                  | 23.7   | 23.2   |   | 1                  | 23.7                               |                                    |           |  |
|          |   | 1   | 0   | 22.5  |  | 0                  | 23.7   | 22.9   |   | 1                  | 23.7                               |                                    |           |  |
|          |   | 1   | 25  | 22.7  |  | 0                  | 23.7   | 23.0   |   | 1                  | 23.7                               |                                    |           |  |
|          |   | 1   | 49  | 22.6  |  | 0                  | 23.7   | 22.9   |   | 1                  | 23.7                               |                                    |           |  |
|          |   | 25  | 0   | 21.9  |  | 1                  | 22.7   | 22.0   |   | 2                  | 22.7                               |                                    |           |  |
|          |   | 25  | 12  | 21.9  |  | 1                  | 22.7   | 22.0   |   | 2                  | 22.7                               |                                    |           |  |
|          | 64QAM   | 25  | 25  | 22.0  |  | 1                  | 22.7   | 22.0   |   | 2                  | 22.7                               |                                    |           |  |
|          |   | 50  | 0   | 22.0  |  | 1                  | 22.7   | 22.1   |   | 2                  | 22.7                               |                                    |           |  |
|          |   | 1   | 0   | 21.4  |  | 1                  | 22.7   | 21.8   |   | 2                  | 22.7                               |                                    |           |  |
|          |   | 1   | 25  | 21.6  |  | 1                  | 22.7   | 21.9   |   | 2                  | 22.7                               |                                    |           |  |
|          |   | 1   | 49  | 21.5  |  | 1                  | 22.7   | 21.8   |   | 2                  | 22.7                               |                                    |           |  |
|          |   | 25  | 0   | 20.9  |  | 2                  | 21.7   | 21.0   |   | 3                  | 21.7                               |                                    |           |  |
|          | 256QAM  | 25  | 12  | 20.9  |  | 2                  | 21.7   | 21.1   |   | 3                  | 21.7                               |                                    |           |  |
|          |   | 25  | 25  | 21.0  |  | 2                  | 21.7   | 21.1   |   | 3                  | 21.7                               |                                    |           |  |
|          |   | 50  | 0   | 21.0  |  | 2                  | 21.7   | 21.2   |   | 3                  | 21.7                               |                                    |           |  |
|          |   | 1   | 0   | 18.4  |  | 4                  | 19.7   | 18.9   |   | 5                  | 19.7                               |                                    |           |  |
|          |   | 1   | 25  | 18.6  |  | 4                  | 19.7   | 19.0   |   | 5                  | 19.7                               |                                    |           |  |
|          |   | 1   | 49  | 18.5  |  | 4                  | 19.7   | 18.8   |   | 5                  | 19.7                               |                                    |           |  |
| 5        | QPSK  | 25  | 0   | 18.8  |  | 4                  | 19.7   | 19.0   |   | 5                  | 19.7                               |                                    |           |  |
|          |   | 25  | 12  | 18.9  |  | 4                  | 19.7   | 19.0   |   | 5                  | 19.7                               |                                    |           |  |
|          |   | 25  | 25  | 18.9  |  | 4                  | 19.7   | 19.0   |   | 5                  | 19.7                               |                                    |           |  |
|          |   | 50  | 0   | 19.0  |  | 4                  | 19.7   | 19.2   |   | 5                  | 19.7                               |                                    |           |  |
|          |   |   |   |   |  | Mode A Power (dBm) |  |  |   |                    | Mode B Power (dBm)                 |                                    |           |  |
|          |   | BW (MHz) <td rowspan="2">Mode <td rowspan="2">RB Allocation <td rowspan="2">RB offset <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> </td></td></td></td></td></td> | Mode <td rowspan="2">RB Allocation <td rowspan="2">RB offset <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> </td></td></td></td></td> | RB Allocation <td rowspan="2">RB offset <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> </td></td></td></td> | RB offset <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> </td></td></td> | 23330              |  | MPR <td rowspan="2">Max Power <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> </td></td> | Max Power <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> </td> | 23330              |                                    | MPR <td rowspan="2">Max Power</td> | Max Power |  |
|          | 793 MHz   |   |   |   |  | 793 MHz            |  |  |   |                    |                                    |                                    |           |  |
|          | 5   | QPSK  | 1   | 0   | 22.9   |                    | 0  | 23.7   | 23.7  |                    | 0                                  | 24.7                               |           |  |
|          |   |   | 1   | 12  | 23.0   |                    | 0  | 23.7   | 23.8  |                    | 0                                  | 24.7                               |           |  |
|          |   |   | 1   | 24  | 23.0   |                    | 0  | 23.7   | 23.8  |                    | 0                                  | 24.7                               |           |  |
|          |   |   | 12  | 0   | 22.9   |                    | 0  | 23.7   | 23.0  |                    | 1                                  | 23.7                               |           |  |
|          |   |   | 12  | 7   | 22.9   |                    | 0  | 23.7   | 23.1  |                    | 1                                  | 23.7                               |           |  |
|          |   |   | 12  | 13  | 23.0   |                    | 0  | 23.7   | 23.2  |                    | 1                                  | 23.7                               |           |  |
|          |   | 16QAM   | 25  | 0   | 23.0   |                    | 0  | 23.7   | 23.2  |                    | 1                                  | 23.7                               |           |  |
|          |   |   | 1   | 0   | 22.8   |                    | 0  | 23.7   | 23.0  |                    | 1                                  | 23.7                               |           |  |
|          |   |   | 1   | 12  | 22.9   |                    | 0  | 23.7   | 23.1  |                    | 1                                  | 23.7                               |           |  |
|          |   |   | 1   | 24  | 23.0   |                    | 0  | 23.7   | 23.2  |                    | 1                                  | 23.7                               |           |  |
|          |   |   | 12  | 0   | 21.9   |                    | 1  | 22.7   | 22.0  |                    | 2                                  | 22.7                               |           |  |
|          |   |   | 12  | 7   | 21.9   |                    | 1  | 22.7   | 22.0  |                    | 2                                  | 22.7                               |           |  |
|          |   | 64QAM   | 12  | 13  | 22.0   |                    | 1  | 22.7   | 22.1  |                    | 2                                  | 22.7                               |           |  |
|          |   |   | 25  | 0   | 22.0   |                    | 1  | 22.7   | 22.1  |                    | 2                                  | 22.7                               |           |  |
|          |   |   | 1   | 0   | 21.6   |                    | 1  | 22.7   | 21.9  |                    | 2                                  | 22.7                               |           |  |
|          |   |   | 1   | 12  | 21.7   |                    | 1  | 22.7   | 22.0  |                    | 2                                  | 22.7                               |           |  |
|          |   |   | 1   | 24  | 21.7   |                    | 1  | 22.7   | 22.1  |                    | 2                                  | 22.7                               |           |  |
| 12       |   |   | 0   | 20.8  |  | 2                  | 21.7   | 21.0   |   | 3                  | 21.7                               |                                    |           |  |
| 256QAM   |   | 12  | 7   | 20.9  |  | 2                  | 21.7   | 21.1   |   | 3                  | 21.7                               |                                    |           |  |
|          |   | 12  | 13  | 20.9  |  | 2                  | 21.7   | 21.1   |   | 3                  | 21.7                               |                                    |           |  |
|          |   | 25  | 0   | 21.0  |  | 2                  | 21.7   | 21.1   |   | 3                  | 21.7                               |                                    |           |  |
|          |   | 1   | 0   | 18.5  |  | 4                  | 19.7   | 18.9   |   | 5                  | 19.7                               |                                    |           |  |
|          |   | 1   | 12  | 18.6  |  | 4                  | 19.7   | 19.0   |   | 5                  | 19.7                               |                                    |           |  |
|          |   | 1   | 24  | 18.7  |  | 4                  | 19.7   | 18.9   |   | 5                  | 19.7                               |                                    |           |  |
| 256QAM   | 12  | 0   | 18.8  |   | 4  | 19.7               | 19.0   |  | 5   | 19.7               |                                    |                                    |           |  |
|          | 12  | 7   | 18.9  |   | 4  | 19.7               | 19.0   |  | 5   | 19.7               |                                    |                                    |           |  |
|          | 12  | 13  | 18.9  |   | 4  | 19.7               | 19.1   |  | 5   | 19.7               |                                    |                                    |           |  |
|          | 25  | 0   | 18.9  |   | 4  | 19.7               | 19.1   |  | 5   | 19.7               |                                    |                                    |           |  |
|          |   |   |   |   | Mode A Power (dBm)   |                    |  |  |   | Mode B Power (dBm) |                                    |                                    |           |  |
|          | BW (MHz) <td rowspan="2">Mode <td rowspan="2">RB Allocation <td rowspan="2">RB offset <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> </td></td></td></td></td> | Mode <td rowspan="2">RB Allocation <td rowspan="2">RB offset <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> </td></td></td></td>                               | RB Allocation <td rowspan="2">RB offset <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> </td></td></td>                           | RB offset <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> </td></td>                                    | 23330  |                    | MPR <td rowspan="2">Max Power</td> <td colspan="2">23330</td> <td rowspan="2">MPR <td rowspan="2">Max Power</td> </td> | Max Power  | 23330   |                    | MPR <td rowspan="2">Max Power</td> | Max Power                          |           |  |
| 793 MHz  |   |   |   |   | 793 MHz  |                    |  |  |   |                    |                                    |                                    |           |  |

**LTE Band 25 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |          |      |           | Mode B Power (dBm) |            |          |      |           |
|----------|--------|---------------|-----------|--------------------|------------|----------|------|-----------|--------------------|------------|----------|------|-----------|
|          |        |               |           | 26140              | 26365      | 26590    | MPR  | Max Power | 26140              | 26365      | 26590    | MPR  | Max Power |
|          |        |               |           | 1860 MHz           | 1882.5 MHz | 1905 MHz |      |           | 1860 MHz           | 1882.5 MHz | 1905 MHz |      |           |
| 20       | QPSK   | 1             | 0         | 24.9               | 24.7       | 24.8     | 0    | 25.7      | 18.4               | 18.3       | 18.4     | 0    | 19.7      |
|          |        | 1             | 49        | 25.0               | 25.0       | 25.0     | 0    | 25.7      | 18.4               | 18.4       | 18.4     | 0    | 19.7      |
|          |        | 1             | 99        | 24.7               | 24.7       | 24.8     | 0    | 25.7      | 18.3               | 18.2       | 18.3     | 0    | 19.7      |
|          |        | 50            | 0         | 24.3               | 24.3       | 24.2     | 1    | 24.7      | 18.4               | 18.4       | 18.4     | 0    | 19.7      |
|          |        | 50            | 24        | 24.3               | 24.3       | 24.2     | 1    | 24.7      | 18.4               | 18.4       | 18.4     | 0    | 19.7      |
|          |        | 50            | 50        | 24.2               | 24.3       | 24.2     | 1    | 24.7      | 18.4               | 18.4       | 18.4     | 0    | 19.7      |
|          | 16QAM  | 100           | 0         | 24.3               | 24.4       | 24.3     | 1    | 24.7      | 18.4               | 18.4       | 18.4     | 0    | 19.7      |
|          |        | 1             | 0         | 24.2               | 24.3       | 24.2     | 1    | 24.7      | 19.0               | 18.9       | 18.9     | 0    | 19.7      |
|          |        | 1             | 49        | 24.3               | 24.6       | 24.4     | 1    | 24.7      | 19.2               | 19.2       | 19.2     | 0    | 19.7      |
|          |        | 1             | 99        | 24.1               | 24.2       | 24.3     | 1    | 24.7      | 18.9               | 18.9       | 18.9     | 0    | 19.7      |
|          |        | 50            | 0         | 23.5               | 23.4       | 23.4     | 2    | 23.7      | 18.8               | 18.8       | 18.7     | 0    | 19.7      |
|          |        | 50            | 24        | 23.5               | 23.5       | 23.4     | 2    | 23.7      | 18.8               | 18.8       | 18.7     | 0    | 19.7      |
|          | 64QAM  | 50            | 50        | 23.4               | 23.4       | 23.4     | 2    | 23.7      | 18.7               | 18.7       | 18.7     | 0    | 19.7      |
|          |        | 100           | 0         | 23.6               | 23.6       | 23.4     | 2    | 23.7      | 18.9               | 18.9       | 18.7     | 0    | 19.7      |
|          |        | 1             | 0         | 23.1               | 22.9       | 23.0     | 2    | 23.7      | 18.9               | 18.7       | 18.8     | 0    | 19.7      |
|          |        | 1             | 49        | 23.2               | 23.3       | 23.2     | 2    | 23.7      | 18.9               | 18.9       | 18.8     | 0    | 19.7      |
|          |        | 1             | 99        | 22.9               | 23.1       | 23.1     | 2    | 23.7      | 18.7               | 18.6       | 18.7     | 0    | 19.7      |
|          |        | 50            | 0         | 22.5               | 22.5       | 22.5     | 3    | 22.7      | 18.8               | 18.8       | 18.7     | 0    | 19.7      |
|          | 256QAM | 50            | 24        | 22.6               | 22.5       | 22.5     | 3    | 22.7      | 18.8               | 18.8       | 18.7     | 0    | 19.7      |
|          |        | 50            | 50        | 22.4               | 22.4       | 22.4     | 3    | 22.7      | 18.8               | 18.7       | 18.6     | 0    | 19.7      |
|          |        | 100           | 0         | 22.6               | 22.6       | 22.5     | 3    | 22.7      | 18.9               | 18.9       | 18.8     | 0    | 19.7      |
|          |        | 1             | 0         | 20.2               | 20.0       | 20.1     | 5    | 20.7      | 19.1               | 18.8       | 18.8     | 0    | 19.7      |
|          |        | 1             | 49        | 20.3               | 20.3       | 20.2     | 5    | 20.7      | 19.1               | 19.1       | 18.9     | 0    | 19.7      |
|          |        | 1             | 99        | 19.9               | 20.0       | 20.0     | 5    | 20.7      | 18.8               | 18.7       | 18.8     | 0    | 19.7      |
| 15       | QPSK   | 50            | 0         | 20.5               | 20.5       | 20.4     | 5    | 20.7      | 18.8               | 18.7       | 18.7     | 0    | 19.7      |
|          |        | 50            | 24        | 20.5               | 20.5       | 20.4     | 5    | 20.7      | 18.8               | 18.8       | 18.7     | 0    | 19.7      |
|          |        | 50            | 50        | 20.4               | 20.4       | 20.4     | 5    | 20.7      | 18.7               | 18.7       | 18.7     | 0    | 19.7      |
|          |        | 100           | 0         | 20.6               | 20.5       | 20.5     | 5    | 20.7      | 18.8               | 18.9       | 18.7     | 0    | 19.7      |
|          |        | 1             | 0         | 25.0               | 25.0       | 25.0     | 0    | 25.7      | 18.8               | 18.8       | 18.7     | 0    | 19.7      |
|          |        | 1             | 37        | 25.1               | 25.0       | 24.9     | 0    | 25.7      | 18.8               | 18.9       | 18.8     | 0    | 19.7      |
|          | 16QAM  | 1             | 74        | 25.0               | 24.8       | 25.0     | 0    | 25.7      | 18.7               | 18.6       | 18.7     | 0    | 19.7      |
|          |        | 36            | 0         | 24.5               | 24.5       | 24.5     | 1    | 24.7      | 18.8               | 18.8       | 18.8     | 0    | 19.7      |
|          |        | 36            | 20        | 24.5               | 24.5       | 24.5     | 1    | 24.7      | 18.8               | 18.8       | 18.8     | 0    | 19.7      |
|          |        | 36            | 39        | 24.5               | 24.5       | 24.5     | 1    | 24.7      | 18.8               | 18.7       | 18.7     | 0    | 19.7      |
|          |        | 75            | 0         | 24.6               | 24.6       | 24.5     | 1    | 24.7      | 18.8               | 18.8       | 18.7     | 0    | 19.7      |
|          |        | 1             | 0         | 24.4               | 24.3       | 24.3     | 1    | 24.7      | 19.2               | 19.1       | 18.8     | 0    | 19.7      |
|          | 64QAM  | 1             | 37        | 24.4               | 24.3       | 24.3     | 1    | 24.7      | 19.2               | 19.2       | 18.9     | 0    | 19.7      |
|          |        | 1             | 74        | 24.2               | 24.1       | 24.2     | 1    | 24.7      | 19.0               | 18.9       | 18.8     | 0    | 19.7      |
|          |        | 36            | 0         | 23.5               | 23.4       | 23.4     | 2    | 23.7      | 18.8               | 18.7       | 18.7     | 0    | 19.7      |
|          |        | 36            | 20        | 23.5               | 23.5       | 23.4     | 2    | 23.7      | 18.8               | 18.8       | 18.6     | 0    | 19.7      |
|          |        | 36            | 39        | 23.5               | 23.4       | 23.4     | 2    | 23.7      | 18.8               | 18.7       | 18.6     | 0    | 19.7      |
|          |        | 75            | 0         | 23.6               | 23.5       | 23.4     | 2    | 23.7      | 18.8               | 18.8       | 18.7     | 0    | 19.7      |
|          | 256QAM | 1             | 0         | 23.3               | 23.3       | 23.1     | 2    | 23.7      | 19.0               | 19.0       | 18.8     | 0    | 19.7      |
|          |        | 1             | 37        | 23.1               | 23.1       | 23.2     | 2    | 23.7      | 19.0               | 19.0       | 18.9     | 0    | 19.7      |
|          |        | 1             | 74        | 23.2               | 23.0       | 23.1     | 2    | 23.7      | 18.8               | 18.8       | 18.9     | 0    | 19.7      |
|          |        | 36            | 0         | 22.5               | 22.4       | 22.4     | 3    | 22.7      | 18.8               | 18.7       | 18.7     | 0    | 19.7      |
|          |        | 36            | 20        | 22.5               | 22.5       | 22.4     | 3    | 22.7      | 18.8               | 18.8       | 18.7     | 0    | 19.7      |
|          |        | 36            | 39        | 22.5               | 22.4       | 22.4     | 3    | 22.7      | 18.8               | 18.7       | 18.6     | 0    | 19.7      |
| 256QAM   | 75     | 0             | 22.6      | 22.5               | 22.4       | 3        | 22.7 | 18.8      | 18.8               | 18.7       | 0        | 19.7 |           |
|          | 1      | 0             | 20.3      | 20.1               | 20.1       | 5        | 20.7 | 19.1      | 18.9               | 18.8       | 0        | 19.7 |           |
|          | 1      | 37            | 20.1      | 20.2               | 20.1       | 5        | 20.7 | 18.9      | 19.0               | 18.8       | 0        | 19.7 |           |
|          | 1      | 74            | 20.2      | 20.0               | 20.1       | 5        | 20.7 | 18.9      | 18.7               | 18.9       | 0        | 19.7 |           |
|          | 36     | 0             | 20.5      | 20.4               | 20.4       | 5        | 20.7 | 18.8      | 18.8               | 18.7       | 0        | 19.7 |           |
|          | 36     | 20            | 20.5      | 20.5               | 20.5       | 5        | 20.7 | 18.8      | 18.8               | 18.7       | 0        | 19.7 |           |
| 256QAM   | 36     | 39            | 20.5      | 20.4               | 20.4       | 5        | 20.7 | 18.8      | 18.7               | 18.6       | 0        | 19.7 |           |
|          | 36     | 0             | 20.5      | 20.5               | 20.5       | 5        | 20.7 | 18.8      | 18.8               | 18.7       | 0        | 19.7 |           |
|          | 36     | 20            | 20.5      | 20.5               | 20.5       | 5        | 20.7 | 18.8      | 18.8               | 18.7       | 0        | 19.7 |           |
|          | 36     | 39            | 20.5      | 20.4               | 20.4       | 5        | 20.7 | 18.8      | 18.7               | 18.6       | 0        | 19.7 |           |
|          | 75     | 0             | 20.5      | 20.5               | 20.5       | 5        | 20.7 | 18.9      | 18.8               | 18.7       | 0        | 19.7 |           |
|          | 75     | 0             | 20.5      | 20.5               | 20.5       | 5        | 20.7 | 18.9      | 18.8               | 18.7       | 0        | 19.7 |           |

**LTE Band 25 Measured Results (ANT1, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |          |      |           | Mode B Power (dBm) |            |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|------------|----------|------|-----------|--------------------|------------|----------|------|-----------|------|
|          |        |               |           | 26090              | 26365      | 26640    | MPR  | Max Power | 26090              | 26365      | 26640    | MPR  | Max Power |      |
|          |        |               |           | 1855 MHz           | 1882.5 MHz | 1910 MHz |      |           | 1855 MHz           | 1882.5 MHz | 1910 MHz |      |           |      |
| 10       | QPSK   | 1             | 0         | 25.1               | 25.1       | 25.0     | 0    | 25.7      | 18.9               | 18.9       | 18.7     | 0    | 19.7      |      |
|          |        | 1             | 25        | 25.1               | 25.1       | 25.0     | 0    | 25.7      | 19.0               | 18.9       | 18.7     | 0    | 19.7      |      |
|          |        | 1             | 49        | 25.1               | 25.0       | 25.0     | 0    | 25.7      | 18.9               | 18.8       | 18.7     | 0    | 19.7      |      |
|          |        | 25            | 0         | 24.6               | 24.6       | 24.5     | 1    | 24.7      | 18.9               | 18.9       | 18.8     | 0    | 19.7      |      |
|          |        | 25            | 12        | 24.7               | 24.6       | 24.5     | 1    | 24.7      | 18.9               | 18.9       | 18.7     | 0    | 19.7      |      |
|          |        | 25            | 25        | 24.7               | 24.6       | 24.5     | 1    | 24.7      | 18.9               | 18.9       | 18.7     | 0    | 19.7      |      |
|          | 16QAM  | 50            | 0         | 24.7               | 24.7       | 24.6     | 1    | 24.7      | 19.0               | 18.9       | 18.8     | 0    | 19.7      |      |
|          |        | 1             | 0         | 24.5               | 24.4       | 24.3     | 1    | 24.7      | 19.1               | 19.0       | 19.0     | 0    | 19.7      |      |
|          |        | 1             | 25        | 24.5               | 24.5       | 24.2     | 1    | 24.7      | 19.2               | 19.1       | 18.9     | 0    | 19.7      |      |
|          |        | 1             | 49        | 24.4               | 24.4       | 24.3     | 1    | 24.7      | 19.1               | 19.0       | 18.9     | 0    | 19.7      |      |
|          |        | 25            | 0         | 23.6               | 23.6       | 23.5     | 2    | 23.7      | 18.9               | 18.8       | 18.7     | 0    | 19.7      |      |
|          |        | 25            | 12        | 23.6               | 23.6       | 23.4     | 2    | 23.7      | 18.9               | 18.8       | 18.6     | 0    | 19.7      |      |
|          | 64QAM  | 25            | 25        | 23.6               | 23.6       | 23.4     | 2    | 23.7      | 18.9               | 18.8       | 18.6     | 0    | 19.7      |      |
|          |        | 50            | 0         | 23.7               | 23.6       | 23.4     | 2    | 23.7      | 19.0               | 18.8       | 18.7     | 0    | 19.7      |      |
|          |        | 1             | 0         | 23.4               | 23.3       | 23.2     | 2    | 23.7      | 19.0               | 19.0       | 18.9     | 0    | 19.7      |      |
|          |        | 1             | 25        | 23.3               | 23.2       | 23.1     | 2    | 23.7      | 19.1               | 19.0       | 18.8     | 0    | 19.7      |      |
|          |        | 1             | 49        | 23.2               | 23.2       | 23.2     | 2    | 23.7      | 19.1               | 19.0       | 18.8     | 0    | 19.7      |      |
|          |        | 25            | 0         | 22.6               | 22.5       | 22.5     | 3    | 22.7      | 18.9               | 18.8       | 18.7     | 0    | 19.7      |      |
|          | 256QAM | 25            | 12        | 22.6               | 22.6       | 22.4     | 3    | 22.7      | 18.9               | 18.9       | 18.6     | 0    | 19.7      |      |
|          |        | 25            | 25        | 22.6               | 22.6       | 22.4     | 3    | 22.7      | 18.9               | 18.9       | 18.6     | 0    | 19.7      |      |
|          |        | 50            | 0         | 22.6               | 22.6       | 22.5     | 3    | 22.7      | 19.0               | 18.9       | 18.7     | 0    | 19.7      |      |
|          |        | 1             | 0         | 20.3               | 20.2       | 20.1     | 5    | 20.7      | 19.1               | 19.0       | 18.9     | 0    | 19.7      |      |
|          |        | 1             | 25        | 20.4               | 20.3       | 20.1     | 5    | 20.7      | 19.1               | 19.0       | 18.8     | 0    | 19.7      |      |
|          |        | 1             | 49        | 20.3               | 20.2       | 20.1     | 5    | 20.7      | 19.1               | 19.0       | 18.8     | 0    | 19.7      |      |
|          | 5      | QPSK          | 25        | 0                  | 20.6       | 20.5     | 20.5 | 5         | 20.7               | 18.9       | 18.8     | 18.7 | 0         | 19.7 |
|          |        |               | 25        | 12                 | 20.6       | 20.5     | 20.4 | 5         | 20.7               | 18.9       | 18.9     | 18.6 | 0         | 19.7 |
|          |        |               | 25        | 25                 | 20.6       | 20.6     | 20.4 | 5         | 20.7               | 18.9       | 18.9     | 18.6 | 0         | 19.7 |
|          |        |               | 50        | 0                  | 20.6       | 20.6     | 20.5 | 5         | 20.7               | 19.0       | 18.9     | 18.7 | 0         | 19.7 |
| 1        |        |               | 0         | 20.3               | 20.3       | 20.1     | 5    | 20.7      | 19.0               | 19.0       | 18.9     | 0    | 19.7      |      |
| 1        |        |               | 12        | 20.2               | 20.2       | 20.0     | 5    | 20.7      | 19.0               | 19.0       | 18.8     | 0    | 19.7      |      |
| 16QAM    |        | 1             | 24        | 20.3               | 20.3       | 20.1     | 5    | 20.7      | 19.1               | 19.0       | 18.9     | 0    | 19.7      |      |
|          |        | 12            | 0         | 20.6               | 20.5       | 20.4     | 5    | 20.7      | 18.8               | 18.8       | 18.7     | 0    | 19.7      |      |
|          |        | 12            | 7         | 20.5               | 20.5       | 20.4     | 5    | 20.7      | 18.8               | 18.8       | 18.7     | 0    | 19.7      |      |
|          |        | 12            | 13        | 20.5               | 20.5       | 20.4     | 5    | 20.7      | 18.8               | 18.8       | 18.7     | 0    | 19.7      |      |
| 64QAM    | 25     | 0             | 20.6      | 20.5               | 20.4       | 5        | 20.7 | 18.8      | 18.8               | 18.7       | 0        | 19.7 |           |      |
|          | 1      | 0             | 23.4      | 23.4               | 23.2       | 2        | 23.7 | 19.0      | 19.0               | 18.9       | 0        | 19.7 |           |      |
|          | 1      | 12            | 23.3      | 23.3               | 23.0       | 2        | 23.7 | 19.0      | 19.0               | 18.8       | 0        | 19.7 |           |      |
|          | 1      | 24            | 23.4      | 23.4               | 23.2       | 2        | 23.7 | 19.1      | 19.0               | 18.9       | 0        | 19.7 |           |      |
|          | 12     | 0             | 22.6      | 22.5               | 22.4       | 3        | 22.7 | 18.8      | 18.8               | 18.7       | 0        | 19.7 |           |      |
|          | 12     | 7             | 22.6      | 22.5               | 22.4       | 3        | 22.7 | 18.8      | 18.8               | 18.7       | 0        | 19.7 |           |      |
| 256QAM   | 12     | 13            | 22.6      | 22.5               | 22.4       | 3        | 22.7 | 18.8      | 18.8               | 18.7       | 0        | 19.7 |           |      |
|          | 25     | 0             | 22.6      | 22.6               | 22.5       | 3        | 22.7 | 18.8      | 18.8               | 18.7       | 0        | 19.7 |           |      |
|          | 1      | 0             | 20.3      | 20.3               | 20.1       | 5        | 20.7 | 19.0      | 19.0               | 18.9       | 0        | 19.7 |           |      |
|          | 1      | 12            | 20.2      | 20.2               | 20.0       | 5        | 20.7 | 19.0      | 19.0               | 18.8       | 0        | 19.7 |           |      |
|          | 1      | 24            | 20.3      | 20.3               | 20.1       | 5        | 20.7 | 19.1      | 19.0               | 18.9       | 0        | 19.7 |           |      |
|          | 12     | 0             | 20.6      | 20.5               | 20.4       | 5        | 20.7 | 18.8      | 18.8               | 18.7       | 0        | 19.7 |           |      |

**LTE Band 25 Measured Results (ANT1, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |            |      |           | Mode B Power (dBm) |            |            |      |           |
|----------|--------|---------------|-----------|--------------------|------------|------------|------|-----------|--------------------|------------|------------|------|-----------|
|          |        |               |           | 26055              | 26365      | 26675      | MPR  | Max Power | 26055              | 26365      | 26675      | MPR  | Max Power |
|          |        |               |           | 1851.5 MHz         | 1882.5 MHz | 1913.5 MHz |      |           | 1851.5 MHz         | 1882.5 MHz | 1913.5 MHz |      |           |
| 3        | QPSK   | 1             | 0         | 25.0               | 25.0       | 24.8       | 0    | 25.7      | 18.7               | 18.7       | 18.5       | 0    | 19.7      |
|          |        | 1             | 8         | 25.2               | 25.1       | 25.0       | 0    | 25.7      | 18.9               | 18.8       | 18.7       | 0    | 19.7      |
|          |        | 1             | 14        | 24.9               | 25.0       | 24.8       | 0    | 25.7      | 18.7               | 18.6       | 18.5       | 0    | 19.7      |
|          |        | 8             | 0         | 24.5               | 24.5       | 24.4       | 1    | 24.7      | 18.8               | 18.7       | 18.6       | 0    | 19.7      |
|          |        | 8             | 4         | 24.5               | 24.5       | 24.4       | 1    | 24.7      | 18.8               | 18.8       | 18.7       | 0    | 19.7      |
|          |        | 8             | 7         | 24.5               | 24.5       | 24.4       | 1    | 24.7      | 18.8               | 18.8       | 18.7       | 0    | 19.7      |
|          | 16QAM  | 15            | 0         | 24.5               | 24.5       | 24.4       | 1    | 24.7      | 18.7               | 18.7       | 18.6       | 0    | 19.7      |
|          |        | 1             | 0         | 24.2               | 24.1       | 24.1       | 1    | 24.7      | 18.9               | 19.0       | 18.7       | 0    | 19.7      |
|          |        | 1             | 8         | 24.3               | 24.4       | 24.3       | 1    | 24.7      | 19.1               | 19.2       | 18.9       | 0    | 19.7      |
|          |        | 1             | 14        | 24.1               | 24.2       | 24.1       | 1    | 24.7      | 18.9               | 19.0       | 18.8       | 0    | 19.7      |
|          |        | 8             | 0         | 23.5               | 23.5       | 23.3       | 2    | 23.7      | 18.7               | 18.7       | 18.6       | 0    | 19.7      |
|          |        | 8             | 4         | 23.5               | 23.5       | 23.4       | 2    | 23.7      | 18.7               | 18.8       | 18.6       | 0    | 19.7      |
|          | 64QAM  | 8             | 7         | 23.5               | 23.5       | 23.4       | 2    | 23.7      | 18.8               | 18.8       | 18.7       | 0    | 19.7      |
|          |        | 15            | 0         | 23.5               | 23.5       | 23.3       | 2    | 23.7      | 18.7               | 18.7       | 18.6       | 0    | 19.7      |
|          |        | 1             | 0         | 23.1               | 23.1       | 22.9       | 2    | 23.7      | 18.8               | 18.8       | 18.5       | 0    | 19.7      |
|          |        | 1             | 8         | 23.2               | 23.3       | 23.1       | 2    | 23.7      | 19.0               | 19.0       | 18.7       | 0    | 19.7      |
|          |        | 1             | 14        | 23.1               | 23.1       | 23.1       | 2    | 23.7      | 18.8               | 18.7       | 18.6       | 0    | 19.7      |
|          |        | 8             | 0         | 22.5               | 22.5       | 22.4       | 3    | 22.7      | 18.7               | 18.7       | 18.6       | 0    | 19.7      |
|          | 256QAM | 8             | 4         | 22.5               | 22.5       | 22.4       | 3    | 22.7      | 18.8               | 18.8       | 18.6       | 0    | 19.7      |
|          |        | 8             | 7         | 22.5               | 22.5       | 22.4       | 3    | 22.7      | 18.8               | 18.8       | 18.6       | 0    | 19.7      |
|          |        | 15            | 0         | 22.4               | 22.5       | 22.4       | 3    | 22.7      | 18.7               | 18.7       | 18.6       | 0    | 19.7      |
|          |        | 1             | 0         | 20.0               | 20.1       | 19.8       | 5    | 20.7      | 18.8               | 18.8       | 18.6       | 0    | 19.7      |
|          |        | 1             | 8         | 20.2               | 20.3       | 20.1       | 5    | 20.7      | 19.0               | 18.9       | 18.7       | 0    | 19.7      |
|          |        | 1             | 14        | 20.0               | 20.1       | 20.0       | 5    | 20.7      | 18.8               | 18.8       | 18.6       | 0    | 19.7      |
| 1.4      | QPSK   | 8             | 0         | 20.5               | 20.5       | 20.3       | 5    | 20.7      | 18.7               | 18.8       | 18.5       | 0    | 19.7      |
|          |        | 8             | 4         | 20.5               | 20.5       | 20.4       | 5    | 20.7      | 18.8               | 18.8       | 18.6       | 0    | 19.7      |
|          |        | 8             | 7         | 20.5               | 20.5       | 20.4       | 5    | 20.7      | 18.8               | 18.8       | 18.6       | 0    | 19.7      |
|          |        | 15            | 0         | 20.4               | 20.5       | 20.3       | 5    | 20.7      | 18.7               | 18.7       | 18.6       | 0    | 19.7      |
|          |        | 1             | 0         | 24.9               | 24.9       | 24.8       | 0    | 25.7      | 18.7               | 18.6       | 18.5       | 0    | 19.7      |
|          |        | 1             | 3         | 25.1               | 25.0       | 25.1       | 0    | 25.7      | 18.9               | 18.8       | 18.7       | 0    | 19.7      |
|          | 16QAM  | 1             | 5         | 24.9               | 24.9       | 24.9       | 0    | 25.7      | 18.7               | 18.6       | 18.5       | 0    | 19.7      |
|          |        | 3             | 0         | 25.5               | 25.4       | 25.4       | 0    | 25.7      | 18.7               | 18.7       | 18.5       | 0    | 19.7      |
|          |        | 3             | 1         | 25.5               | 25.5       | 25.4       | 0    | 25.7      | 18.8               | 18.7       | 18.6       | 0    | 19.7      |
|          |        | 3             | 3         | 25.5               | 25.5       | 25.4       | 0    | 25.7      | 18.8               | 18.7       | 18.6       | 0    | 19.7      |
|          |        | 6             | 0         | 24.5               | 24.5       | 24.4       | 1    | 24.7      | 18.8               | 18.7       | 18.6       | 0    | 19.7      |
|          |        | 1             | 0         | 24.4               | 24.1       | 24.1       | 1    | 24.7      | 18.9               | 18.9       | 18.6       | 0    | 19.7      |
|          | 64QAM  | 1             | 3         | 24.4               | 24.3       | 24.3       | 1    | 24.7      | 19.0               | 19.0       | 18.8       | 0    | 19.7      |
|          |        | 1             | 5         | 24.2               | 24.1       | 24.2       | 1    | 24.7      | 18.9               | 18.8       | 18.7       | 0    | 19.7      |
|          |        | 3             | 0         | 24.6               | 24.6       | 24.6       | 1    | 24.7      | 18.9               | 18.8       | 18.7       | 0    | 19.7      |
|          |        | 3             | 1         | 24.7               | 24.7       | 24.6       | 1    | 24.7      | 18.9               | 18.9       | 18.7       | 0    | 19.7      |
|          |        | 3             | 3         | 24.7               | 24.7       | 24.6       | 1    | 24.7      | 18.9               | 18.9       | 18.7       | 0    | 19.7      |
|          |        | 6             | 0         | 23.5               | 23.5       | 23.4       | 2    | 23.7      | 18.7               | 18.7       | 18.6       | 0    | 19.7      |
|          | 256QAM | 1             | 0         | 23.1               | 23.1       | 22.9       | 2    | 23.7      | 18.9               | 18.8       | 18.6       | 0    | 19.7      |
|          |        | 1             | 3         | 23.3               | 23.3       | 23.1       | 2    | 23.7      | 19.1               | 19.1       | 18.8       | 0    | 19.7      |
|          |        | 1             | 5         | 23.0               | 23.1       | 22.9       | 2    | 23.7      | 18.9               | 18.8       | 18.5       | 0    | 19.7      |
|          |        | 3             | 0         | 23.6               | 23.6       | 23.4       | 2    | 23.7      | 18.8               | 18.8       | 18.6       | 0    | 19.7      |
|          |        | 3             | 1         | 23.7               | 23.6       | 23.4       | 2    | 23.7      | 18.9               | 18.8       | 18.7       | 0    | 19.7      |
|          |        | 3             | 3         | 23.6               | 23.6       | 23.5       | 2    | 23.7      | 18.8               | 18.8       | 18.7       | 0    | 19.7      |
| QPSK     | 6      | 0             | 22.5      | 22.5               | 22.3       | 3          | 22.7 | 18.7      | 18.7               | 18.5       | 0          | 19.7 |           |
|          | 1      | 0             | 20.1      | 20.0               | 19.8       | 5          | 20.7 | 18.8      | 18.8               | 18.5       | 0          | 19.7 |           |
|          | 1      | 3             | 20.3      | 20.2               | 20.1       | 5          | 20.7 | 19.0      | 19.0               | 18.7       | 0          | 19.7 |           |
|          | 1      | 5             | 20.1      | 20.0               | 19.8       | 5          | 20.7 | 18.7      | 18.8               | 18.6       | 0          | 19.7 |           |
|          | 3      | 0             | 20.5      | 20.5               | 20.4       | 5          | 20.7 | 18.8      | 18.8               | 18.6       | 0          | 19.7 |           |
|          | 3      | 1             | 20.6      | 20.6               | 20.4       | 5          | 20.7 | 18.9      | 18.9               | 18.6       | 0          | 19.7 |           |
| 16QAM    | 3      | 3             | 20.6      | 20.6               | 20.4       | 5          | 20.7 | 18.9      | 18.9               | 18.6       | 0          | 19.7 |           |
|          | 6      | 0             | 20.5      | 20.5               | 20.3       | 5          | 20.7 | 18.7      | 18.7               | 18.6       | 0          | 19.7 |           |

**LTE Band 25 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |          |      |           | Mode B Power (dBm) |            |          |      |           |
|----------|--------|---------------|-----------|--------------------|------------|----------|------|-----------|--------------------|------------|----------|------|-----------|
|          |        |               |           | 26140              | 26365      | 26590    | MPR  | Max Power | 26140.0            | 26365      | 26590    | MPR  | Max Power |
|          |        |               |           | 1860 MHz           | 1882.5 MHz | 1905 MHz |      |           | 1860 MHz           | 1882.5 MHz | 1905 MHz |      |           |
| 20       | QPSK   | 1             | 0         | 19.7               | 19.7       | 19.6     | 0    | 21.0      | 20.1               | 20.1       | 20.1     | 0    | 21.3      |
|          |        | 1             | 49        | 19.9               | 19.9       | 19.7     | 0    | 21.0      | 20.3               | 20.3       | 20.2     | 0    | 21.3      |
|          |        | 1             | 99        | 19.7               | 19.7       | 19.5     | 0    | 21.0      | 20.1               | 20.1       | 19.9     | 0    | 21.3      |
|          |        | 50            | 0         | 19.9               | 19.9       | 19.8     | 0    | 21.0      | 20.3               | 20.3       | 20.2     | 0    | 21.3      |
|          |        | 50            | 24        | 19.9               | 19.9       | 19.8     | 0    | 21.0      | 20.3               | 20.3       | 20.2     | 0    | 21.3      |
|          |        | 50            | 50        | 19.9               | 19.8       | 19.7     | 0    | 21.0      | 20.3               | 20.2       | 20.2     | 0    | 21.3      |
|          | 16QAM  | 100           | 0         | 20.0               | 19.9       | 19.8     | 0    | 21.0      | 20.4               | 20.3       | 20.3     | 0    | 21.3      |
|          |        | 1             | 0         | 20.0               | 19.9       | 20.0     | 0    | 21.0      | 20.4               | 20.4       | 20.4     | 0    | 21.3      |
|          |        | 1             | 49        | 20.3               | 20.1       | 20.1     | 0    | 21.0      | 20.6               | 20.6       | 20.4     | 0    | 21.3      |
|          |        | 1             | 99        | 20.1               | 19.9       | 19.8     | 0    | 21.0      | 20.4               | 20.5       | 20.1     | 0    | 21.3      |
|          |        | 50            | 0         | 19.8               | 19.8       | 19.7     | 0    | 21.0      | 20.2               | 20.2       | 20.1     | 0    | 21.3      |
|          |        | 50            | 24        | 19.9               | 19.8       | 19.6     | 0    | 21.0      | 20.3               | 20.2       | 20.1     | 0    | 21.3      |
|          | 64QAM  | 50            | 50        | 19.9               | 19.8       | 19.6     | 0    | 21.0      | 20.3               | 20.2       | 20.1     | 0    | 21.3      |
|          |        | 100           | 0         | 19.9               | 19.9       | 19.7     | 0    | 21.0      | 20.4               | 20.3       | 20.1     | 0    | 21.3      |
|          |        | 1             | 0         | 20.0               | 19.9       | 19.8     | 0    | 21.0      | 20.4               | 20.3       | 20.3     | 0    | 21.3      |
|          |        | 1             | 49        | 20.3               | 20.0       | 19.9     | 0    | 21.0      | 20.5               | 20.4       | 20.3     | 0    | 21.3      |
|          |        | 1             | 99        | 20.0               | 19.9       | 19.6     | 0    | 21.0      | 20.3               | 20.3       | 20.1     | 0    | 21.3      |
|          |        | 50            | 0         | 19.9               | 19.8       | 19.8     | 0.3  | 20.7      | 20.0               | 19.9       | 19.8     | 0.6  | 20.7      |
|          | 256QAM | 50            | 24        | 20.0               | 19.8       | 19.7     | 0.3  | 20.7      | 20.0               | 19.9       | 19.7     | 0.6  | 20.7      |
|          |        | 50            | 50        | 19.9               | 19.8       | 19.6     | 0.3  | 20.7      | 20.0               | 19.9       | 19.7     | 0.6  | 20.7      |
|          |        | 100           | 0         | 19.9               | 19.9       | 19.7     | 0.3  | 20.7      | 20.0               | 20.0       | 19.8     | 0.6  | 20.7      |
|          |        | 1             | 0         | 17.7               | 17.6       | 17.5     | 2.3  | 18.7      | 17.6               | 17.7       | 17.6     | 2.6  | 18.7      |
|          |        | 1             | 49        | 17.9               | 17.8       | 17.6     | 2.3  | 18.7      | 17.8               | 17.8       | 17.7     | 2.6  | 18.7      |
|          |        | 1             | 99        | 17.7               | 17.7       | 17.4     | 2.3  | 18.7      | 17.6               | 17.7       | 17.5     | 2.6  | 18.7      |
| 15       | QPSK   | 50            | 0         | 17.9               | 17.9       | 17.8     | 2.3  | 18.7      | 18.0               | 18.0       | 17.8     | 2.6  | 18.7      |
|          |        | 50            | 24        | 17.9               | 17.9       | 17.7     | 2.3  | 18.7      | 18.0               | 18.0       | 17.8     | 2.6  | 18.7      |
|          |        | 50            | 50        | 17.9               | 17.8       | 17.7     | 2.3  | 18.7      | 18.0               | 17.9       | 17.7     | 2.6  | 18.7      |
|          |        | 100           | 0         | 18.0               | 17.9       | 17.8     | 2.3  | 18.7      | 18.1               | 18.0       | 17.8     | 2.6  | 18.7      |
|          |        | 1             | 0         | 19.8               | 19.9       | 19.8     | 0    | 21.0      | 20.0               | 20.0       | 19.9     | 0    | 21.3      |
|          |        | 1             | 37        | 19.9               | 19.9       | 19.7     | 0    | 21.0      | 20.0               | 20.0       | 19.9     | 0    | 21.3      |
|          | 16QAM  | 1             | 74        | 19.9               | 19.8       | 19.6     | 0    | 21.0      | 20.0               | 20.0       | 19.7     | 0    | 21.3      |
|          |        | 36            | 0         | 19.9               | 19.9       | 19.7     | 0    | 21.0      | 20.0               | 20.0       | 19.8     | 0    | 21.3      |
|          |        | 36            | 20        | 19.9               | 19.9       | 19.7     | 0    | 21.0      | 20.0               | 20.0       | 19.8     | 0    | 21.3      |
|          |        | 36            | 39        | 19.9               | 19.8       | 19.7     | 0    | 21.0      | 20.1               | 20.0       | 19.8     | 0    | 21.3      |
|          |        | 75            | 0         | 19.9               | 19.9       | 19.7     | 0    | 21.0      | 20.0               | 20.0       | 19.9     | 0    | 21.3      |
|          |        | 1             | 0         | 20.2               | 20.1       | 19.9     | 0    | 21.0      | 20.2               | 20.3       | 20.2     | 0    | 21.3      |
|          | 64QAM  | 1             | 37        | 20.2               | 20.1       | 19.9     | 0    | 21.0      | 20.3               | 20.4       | 20.1     | 0    | 21.3      |
|          |        | 1             | 74        | 20.2               | 20.1       | 19.7     | 0    | 21.0      | 20.3               | 20.4       | 20.0     | 0    | 21.3      |
|          |        | 36            | 0         | 19.8               | 19.8       | 19.6     | 0    | 21.0      | 20.0               | 20.0       | 19.8     | 0    | 21.3      |
|          |        | 36            | 20        | 19.8               | 19.8       | 19.6     | 0    | 21.0      | 20.0               | 20.0       | 19.8     | 0    | 21.3      |
|          |        | 36            | 39        | 19.9               | 19.7       | 19.6     | 0    | 21.0      | 20.0               | 19.9       | 19.8     | 0    | 21.3      |
|          |        | 75            | 0         | 19.9               | 19.8       | 19.6     | 0    | 21.0      | 20.0               | 20.0       | 19.8     | 0    | 21.3      |
|          | 256QAM | 1             | 0         | 20.2               | 20.0       | 20.0     | 0    | 21.0      | 20.3               | 20.2       | 20.1     | 0    | 21.3      |
|          |        | 1             | 37        | 20.1               | 20.1       | 19.8     | 0    | 21.0      | 20.2               | 20.1       | 19.9     | 0    | 21.3      |
|          |        | 1             | 74        | 20.2               | 20.0       | 19.7     | 0    | 21.0      | 20.2               | 20.1       | 19.8     | 0    | 21.3      |
|          |        | 36            | 0         | 19.9               | 19.9       | 19.6     | 0.3  | 20.7      | 19.6               | 19.7       | 19.5     | 0.6  | 20.7      |
|          |        | 36            | 20        | 19.9               | 19.8       | 19.6     | 0.3  | 20.7      | 19.7               | 19.7       | 19.5     | 0.6  | 20.7      |
|          |        | 36            | 39        | 19.9               | 19.7       | 19.6     | 0.3  | 20.7      | 19.7               | 19.6       | 19.5     | 0.6  | 20.7      |
| 256QAM   | 75     | 0             | 19.9      | 19.9               | 19.7       | 0.3      | 20.7 | 19.7      | 19.7               | 19.5       | 0.6      | 20.7 |           |
|          | 1      | 0             | 17.8      | 17.6               | 17.6       | 2.3      | 18.7 | 17.5      | 17.4               | 17.3       | 2.6      | 18.7 |           |
|          | 1      | 37            | 17.8      | 17.7               | 17.5       | 2.3      | 18.7 | 17.5      | 17.5               | 17.3       | 2.6      | 18.7 |           |
|          | 1      | 74            | 17.8      | 17.7               | 17.4       | 2.3      | 18.7 | 17.6      | 17.5               | 17.1       | 2.6      | 18.7 |           |
|          | 36     | 0             | 17.9      | 17.9               | 17.7       | 2.3      | 18.7 | 17.7      | 17.7               | 17.5       | 2.6      | 18.7 |           |
|          | 36     | 20            | 17.9      | 17.9               | 17.6       | 2.3      | 18.7 | 17.7      | 17.7               | 17.5       | 2.6      | 18.7 |           |
| 256QAM   | 36     | 39            | 17.9      | 17.8               | 17.6       | 2.3      | 18.7 | 17.8      | 17.6               | 17.5       | 2.6      | 18.7 |           |
|          | 75     | 0             | 17.9      | 17.9               | 17.7       | 2.3      | 18.7 | 17.7      | 17.7               | 17.5       | 2.6      | 18.7 |           |



**LTE Band 25 Measured Results (ANT2, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |          |      |           | Mode B Power (dBm) |            |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|------------|----------|------|-----------|--------------------|------------|----------|------|-----------|------|
|          |        |               |           | 26090              | 26365      | 26640    | MPR  | Max Power | 26090.0            | 26365      | 26640    | MPR  | Max Power |      |
|          |        |               |           | 1855 MHz           | 1882.5 MHz | 1910 MHz |      |           | 1855 MHz           | 1882.5 MHz | 1910 MHz |      |           |      |
| 10       | QPSK   | 1             | 0         | 20.0               | 19.9       | 19.8     | 0    | 21.0      | 20.1               | 20.1       | 19.9     | 0    | 21.3      |      |
|          |        | 1             | 25        | 20.0               | 19.9       | 19.8     | 0    | 21.0      | 20.1               | 20.1       | 19.9     | 0    | 21.3      |      |
|          |        | 1             | 49        | 20.0               | 19.8       | 19.6     | 0    | 21.0      | 20.2               | 20.0       | 19.7     | 0    | 21.3      |      |
|          |        | 25            | 0         | 20.0               | 20.0       | 19.7     | 0    | 21.0      | 20.1               | 20.1       | 19.8     | 0    | 21.3      |      |
|          |        | 25            | 12        | 19.9               | 20.0       | 19.7     | 0    | 21.0      | 20.1               | 20.1       | 19.8     | 0    | 21.3      |      |
|          |        | 25            | 25        | 20.0               | 20.0       | 19.7     | 0    | 21.0      | 20.1               | 20.1       | 19.8     | 0    | 21.3      |      |
|          | 16QAM  | 50            | 0         | 20.0               | 20.0       | 19.8     | 0    | 21.0      | 20.1               | 20.1       | 19.9     | 0    | 21.3      |      |
|          |        | 1             | 0         | 20.2               | 20.3       | 20.0     | 0    | 21.0      | 20.3               | 20.4       | 20.1     | 0    | 21.3      |      |
|          |        | 1             | 25        | 20.2               | 20.3       | 20.1     | 0    | 21.0      | 20.3               | 20.4       | 20.1     | 0    | 21.3      |      |
|          |        | 1             | 49        | 20.3               | 20.1       | 19.9     | 0    | 21.0      | 20.3               | 20.2       | 20.0     | 0    | 21.3      |      |
|          |        | 25            | 0         | 19.9               | 19.9       | 19.7     | 0    | 21.0      | 20.0               | 20.0       | 19.8     | 0    | 21.3      |      |
|          |        | 25            | 12        | 19.9               | 19.8       | 19.7     | 0    | 21.0      | 20.0               | 20.0       | 19.8     | 0    | 21.3      |      |
|          | 64QAM  | 25            | 25        | 19.9               | 19.8       | 19.6     | 0    | 21.0      | 20.0               | 20.0       | 19.7     | 0    | 21.3      |      |
|          |        | 50            | 0         | 20.0               | 19.9       | 19.7     | 0    | 21.0      | 20.1               | 20.0       | 19.8     | 0    | 21.3      |      |
|          |        | 1             | 0         | 20.2               | 20.2       | 19.9     | 0    | 21.0      | 20.3               | 20.3       | 20.1     | 0    | 21.3      |      |
|          |        | 1             | 25        | 20.1               | 20.0       | 19.9     | 0    | 21.0      | 20.2               | 20.3       | 20.1     | 0    | 21.3      |      |
|          |        | 1             | 49        | 20.2               | 19.9       | 19.8     | 0    | 21.0      | 20.4               | 20.2       | 19.9     | 0    | 21.3      |      |
|          |        | 25            | 0         | 19.9               | 19.9       | 19.7     | 0.3  | 20.7      | 19.8               | 19.7       | 19.5     | 0.6  | 20.7      |      |
|          | 256QAM | 25            | 12        | 19.9               | 19.9       | 19.7     | 0.3  | 20.7      | 19.7               | 19.7       | 19.5     | 0.6  | 20.7      |      |
|          |        | 25            | 25        | 20.0               | 19.9       | 19.6     | 0.3  | 20.7      | 19.7               | 19.7       | 19.4     | 0.6  | 20.7      |      |
|          |        | 50            | 0         | 20.0               | 20.0       | 19.7     | 0.3  | 20.7      | 19.8               | 19.7       | 19.6     | 0.6  | 20.7      |      |
|          |        | 1             | 0         | 17.9               | 17.7       | 17.6     | 2.3  | 18.7      | 17.5               | 17.6       | 17.4     | 2.6  | 18.7      |      |
|          |        | 1             | 25        | 17.8               | 17.7       | 17.5     | 2.3  | 18.7      | 17.5               | 17.6       | 17.4     | 2.6  | 18.7      |      |
|          |        | 1             | 49        | 18.0               | 17.7       | 17.4     | 2.3  | 18.7      | 17.6               | 17.5       | 17.3     | 2.6  | 18.7      |      |
|          | 5      | QPSK          | 25        | 0                  | 18.0       | 17.9     | 17.6 | 2.3       | 18.7               | 17.7       | 17.7     | 17.5 | 2.6       | 18.7 |
|          |        |               | 25        | 12                 | 18.0       | 17.9     | 17.6 | 2.3       | 18.7               | 17.7       | 17.7     | 17.5 | 2.6       | 18.7 |
|          |        |               | 25        | 25                 | 18.0       | 17.9     | 17.5 | 2.3       | 18.7               | 17.7       | 17.7     | 17.4 | 2.6       | 18.7 |
|          |        |               | 50        | 0                  | 18.0       | 18.0     | 17.7 | 2.3       | 18.7               | 17.8       | 17.7     | 17.5 | 2.6       | 18.7 |
| 1        |        |               | 0         | 20.0               | 19.9       | 19.8     | 0    | 21.0      | 20.1               | 20.1       | 19.9     | 0    | 21.3      |      |
| 1        |        |               | 12        | 20.0               | 19.9       | 19.6     | 0    | 21.0      | 20.1               | 20.0       | 19.8     | 0    | 21.3      |      |
| 16QAM    |        | 1             | 24        | 20.0               | 19.9       | 19.7     | 0    | 21.0      | 20.1               | 20.1       | 19.8     | 0    | 21.3      |      |
|          |        | 12            | 7         | 20.0               | 19.9       | 19.7     | 0    | 21.0      | 20.1               | 20.0       | 19.8     | 0    | 21.3      |      |
|          |        | 12            | 13        | 20.0               | 19.9       | 19.7     | 0    | 21.0      | 20.1               | 20.0       | 19.8     | 0    | 21.3      |      |
|          |        | 25            | 0         | 20.0               | 20.0       | 19.7     | 0    | 21.0      | 20.1               | 20.1       | 19.8     | 0    | 21.3      |      |
|          | 1      | 0             | 20.4      | 20.2               | 20.2       | 0        | 21.0 | 20.4      | 20.5               | 20.3       | 0        | 21.3 |           |      |
|          | 1      | 12            | 20.4      | 20.2               | 20.0       | 0        | 21.0 | 20.4      | 20.4               | 20.1       | 0        | 21.3 |           |      |
|          | 1      | 24            | 20.4      | 20.2               | 20.1       | 0        | 21.0 | 20.4      | 20.4               | 20.2       | 0        | 21.3 |           |      |
|          | 12     | 0             | 20.0      | 19.9               | 19.6       | 0        | 21.0 | 20.1      | 20.1               | 19.8       | 0        | 21.3 |           |      |
|          | 12     | 7             | 20.0      | 19.9               | 19.6       | 0        | 21.0 | 20.1      | 20.1               | 19.7       | 0        | 21.3 |           |      |
|          | 12     | 13            | 20.0      | 19.9               | 19.6       | 0        | 21.0 | 20.1      | 20.1               | 19.7       | 0        | 21.3 |           |      |
| 64QAM    | 25     | 0             | 19.9      | 19.9               | 19.6       | 0        | 21.0 | 20.1      | 20.0               | 19.7       | 0        | 21.3 |           |      |
|          | 1      | 0             | 20.2      | 20.1               | 20.0       | 0        | 21.0 | 20.3      | 20.2               | 20.2       | 0        | 21.3 |           |      |
|          | 1      | 12            | 20.2      | 20.0               | 19.8       | 0        | 21.0 | 20.2      | 20.2               | 20.0       | 0        | 21.3 |           |      |
|          | 1      | 24            | 20.2      | 20.0               | 19.9       | 0        | 21.0 | 20.2      | 20.1               | 20.1       | 0        | 21.3 |           |      |
|          | 12     | 0             | 19.9      | 19.9               | 19.6       | 0.3      | 20.7 | 19.7      | 19.8               | 19.4       | 0.6      | 20.7 |           |      |
|          | 12     | 7             | 19.9      | 19.9               | 19.6       | 0.3      | 20.7 | 19.7      | 19.7               | 19.4       | 0.6      | 20.7 |           |      |
|          | 12     | 13            | 19.9      | 19.9               | 19.6       | 0.3      | 20.7 | 19.8      | 19.7               | 19.4       | 0.6      | 20.7 |           |      |
|          | 25     | 0             | 20.0      | 19.9               | 19.7       | 0.3      | 20.7 | 19.8      | 19.8               | 19.4       | 0.6      | 20.7 |           |      |
|          | 256QAM | 1             | 0         | 17.8               | 17.8       | 17.6     | 2.3  | 18.7      | 17.6               | 17.7       | 17.3     | 2.6  | 18.7      |      |
|          |        | 1             | 12        | 17.8               | 17.8       | 17.5     | 2.3  | 18.7      | 17.6               | 17.6       | 17.1     | 2.6  | 18.7      |      |
| 1        |        | 24            | 17.9      | 17.8               | 17.5       | 2.3      | 18.7 | 17.6      | 17.5               | 17.2       | 2.6      | 18.7 |           |      |
| 12       |        | 0             | 18.0      | 17.9               | 17.7       | 2.3      | 18.7 | 17.8      | 17.7               | 17.4       | 2.6      | 18.7 |           |      |
| 12       |        | 7             | 18.0      | 17.9               | 17.7       | 2.3      | 18.7 | 17.8      | 17.8               | 17.4       | 2.6      | 18.7 |           |      |
| 12       |        | 13            | 18.0      | 17.9               | 17.6       | 2.3      | 18.7 | 17.8      | 17.8               | 17.4       | 2.6      | 18.7 |           |      |

**LTE Band 25 Measured Results (ANT2, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset  | Mode A Power (dBm) |            |            |            |            | Mode B Power (dBm) |            |            |      |           |      |
|----------|--------|---------------|------------|--------------------|------------|------------|------------|------------|--------------------|------------|------------|------|-----------|------|
|          |        |               |            | 26055              | 26365      | 26675      | MPR        | Max Power  | 26055.0            | 26365      | 26675      | MPR  | Max Power |      |
|          |        |               |            | 1851.5 MHz         | 1882.5 MHz | 1913.5 MHz |            |            | 1851.5 MHz         | 1882.5 MHz | 1913.5 MHz |      |           |      |
| 3        | QPSK   | 1             | 0          | 19.8               | 19.8       | 19.5       | 0          | 21.0       | 19.9               | 19.9       | 19.7       | 0    | 21.3      |      |
|          |        | 1             | 8          | 20.0               | 19.9       | 19.6       | 0          | 21.0       | 20.1               | 20.0       | 19.8       | 0    | 21.3      |      |
|          |        | 1             | 14         | 19.8               | 19.8       | 19.5       | 0          | 21.0       | 19.9               | 19.8       | 19.7       | 0    | 21.3      |      |
|          |        | 8             | 0          | 19.9               | 19.9       | 19.6       | 0          | 21.0       | 20.0               | 20.0       | 19.7       | 0    | 21.3      |      |
|          |        | 8             | 4          | 19.9               | 19.9       | 19.6       | 0          | 21.0       | 20.0               | 20.0       | 19.7       | 0    | 21.3      |      |
|          |        | 8             | 7          | 19.9               | 19.9       | 19.6       | 0          | 21.0       | 20.0               | 20.0       | 19.7       | 0    | 21.3      |      |
|          | 16QAM  | 15            | 0          | 19.8               | 19.9       | 19.6       | 0          | 21.0       | 20.0               | 20.0       | 19.7       | 0    | 21.3      |      |
|          |        | 1             | 0          | 20.0               | 20.1       | 19.8       | 0          | 21.0       | 20.3               | 20.2       | 19.8       | 0    | 21.3      |      |
|          |        | 1             | 8          | 20.2               | 20.3       | 19.9       | 0          | 21.0       | 20.5               | 20.4       | 20.0       | 0    | 21.3      |      |
|          |        | 1             | 14         | 20.0               | 20.1       | 19.8       | 0          | 21.0       | 20.3               | 20.2       | 19.8       | 0    | 21.3      |      |
|          |        | 8             | 0          | 19.8               | 19.9       | 19.6       | 0          | 21.0       | 19.9               | 19.9       | 19.6       | 0    | 21.3      |      |
|          |        | 8             | 4          | 19.8               | 19.9       | 19.6       | 0          | 21.0       | 20.0               | 20.0       | 19.7       | 0    | 21.3      |      |
|          | 64QAM  | 8             | 7          | 19.9               | 19.9       | 19.6       | 0          | 21.0       | 20.0               | 20.0       | 19.7       | 0    | 21.3      |      |
|          |        | 15            | 0          | 19.8               | 19.8       | 19.5       | 0          | 21.0       | 19.9               | 19.9       | 19.6       | 0    | 21.3      |      |
|          |        | 1             | 0          | 19.8               | 19.9       | 19.7       | 0          | 21.0       | 20.1               | 20.0       | 19.7       | 0    | 21.3      |      |
|          |        | 1             | 8          | 19.9               | 20.1       | 19.8       | 0          | 21.0       | 20.2               | 20.2       | 19.8       | 0    | 21.3      |      |
|          |        | 1             | 14         | 19.8               | 19.9       | 19.6       | 0          | 21.0       | 20.0               | 20.1       | 19.7       | 0    | 21.3      |      |
|          |        | 8             | 0          | 19.9               | 19.9       | 19.6       | 0.3        | 20.7       | 19.8               | 19.7       | 19.3       | 0.6  | 20.7      |      |
|          | 256QAM | 8             | 4          | 20.0               | 20.0       | 19.6       | 0.3        | 20.7       | 19.8               | 19.8       | 19.4       | 0.6  | 20.7      |      |
|          |        | 8             | 7          | 20.0               | 19.9       | 19.6       | 0.3        | 20.7       | 19.8               | 19.7       | 19.4       | 0.6  | 20.7      |      |
|          |        | 15            | 0          | 19.9               | 19.8       | 19.5       | 0.3        | 20.7       | 19.7               | 19.6       | 19.3       | 0.6  | 20.7      |      |
|          |        | 1             | 0          | 17.6               | 17.5       | 17.3       | 2.3        | 18.7       | 17.4               | 17.3       | 17.1       | 2.6  | 18.7      |      |
|          |        | 1             | 8          | 17.7               | 17.7       | 17.5       | 2.3        | 18.7       | 17.6               | 17.5       | 17.3       | 2.6  | 18.7      |      |
|          |        | 1             | 14         | 17.5               | 17.5       | 17.3       | 2.3        | 18.7       | 17.4               | 17.4       | 17.1       | 2.6  | 18.7      |      |
| 1.4      | QPSK   | 8             | 0          | 17.8               | 17.8       | 17.5       | 2.3        | 18.7       | 17.7               | 17.6       | 17.3       | 2.6  | 18.7      |      |
|          |        | 8             | 4          | 17.9               | 17.9       | 17.5       | 2.3        | 18.7       | 17.7               | 17.7       | 17.4       | 2.6  | 18.7      |      |
|          |        | 8             | 7          | 17.9               | 17.9       | 17.5       | 2.3        | 18.7       | 17.7               | 17.7       | 17.4       | 2.6  | 18.7      |      |
|          |        | 15            | 0          | 17.8               | 17.9       | 17.6       | 2.3        | 18.7       | 17.7               | 17.6       | 17.3       | 2.6  | 18.7      |      |
|          |        | 26047         | 26365      | 26683              | MPR        | Max Power  | 26047.0    | 26365      | 26683              | MPR        | Max Power  |      |           |      |
|          |        | 1850.7 MHz    | 1882.5 MHz | 1914.3 MHz         |            |            | 1850.7 MHz | 1882.5 MHz | 1914.3 MHz         |            |            |      |           |      |
|          | 1.4    | QPSK          | 1          | 0                  | 19.8       | 19.8       | 19.4       | 0          | 21.0               | 19.9       | 19.8       | 19.6 | 0         | 21.3 |
|          |        |               | 1          | 3                  | 20.0       | 20.0       | 19.6       | 0          | 21.0               | 20.0       | 20.0       | 19.8 | 0         | 21.3 |
|          |        |               | 1          | 5                  | 19.8       | 19.7       | 19.4       | 0          | 21.0               | 19.9       | 19.9       | 19.6 | 0         | 21.3 |
|          |        |               | 3          | 0                  | 19.9       | 19.8       | 19.5       | 0          | 21.0               | 19.9       | 19.9       | 19.7 | 0         | 21.3 |
|          |        |               | 3          | 1                  | 19.9       | 19.9       | 19.6       | 0          | 21.0               | 20.0       | 19.9       | 19.7 | 0         | 21.3 |
|          |        |               | 3          | 3                  | 19.9       | 19.9       | 19.6       | 0          | 21.0               | 20.0       | 19.9       | 19.7 | 0         | 21.3 |
| 16QAM    |        | 6             | 0          | 19.9               | 19.9       | 19.5       | 0          | 21.0       | 20.0               | 19.9       | 19.7       | 0    | 21.3      |      |
|          |        | 1             | 0          | 20.1               | 20.0       | 19.6       | 0          | 21.0       | 20.0               | 20.0       | 20.0       | 0    | 21.3      |      |
|          |        | 1             | 3          | 20.3               | 20.1       | 19.8       | 0          | 21.0       | 20.2               | 20.2       | 20.1       | 0    | 21.3      |      |
|          |        | 1             | 5          | 20.1               | 20.0       | 19.6       | 0          | 21.0       | 20.0               | 20.0       | 19.9       | 0    | 21.3      |      |
|          |        | 3             | 0          | 20.0               | 20.0       | 19.6       | 0          | 21.0       | 20.0               | 20.0       | 19.8       | 0    | 21.3      |      |
|          |        | 3             | 1          | 20.1               | 20.0       | 19.6       | 0          | 21.0       | 20.1               | 20.1       | 19.8       | 0    | 21.3      |      |
| 64QAM    |        | 3             | 3          | 20.1               | 20.0       | 19.6       | 0          | 21.0       | 20.1               | 20.1       | 19.8       | 0    | 21.3      |      |
|          |        | 6             | 0          | 19.9               | 19.8       | 19.5       | 0          | 21.0       | 20.0               | 20.0       | 19.6       | 0    | 21.3      |      |
|          |        | 1             | 0          | 20.0               | 19.9       | 19.6       | 0          | 21.0       | 20.0               | 20.0       | 19.7       | 0    | 21.3      |      |
|          |        | 1             | 3          | 20.2               | 20.1       | 19.8       | 0          | 21.0       | 20.2               | 20.2       | 19.9       | 0    | 21.3      |      |
|          |        | 1             | 5          | 19.9               | 19.9       | 19.6       | 0          | 21.0       | 20.0               | 20.0       | 19.7       | 0    | 21.3      |      |
|          |        | 3             | 0          | 20.0               | 19.9       | 19.6       | 0          | 21.0       | 20.1               | 20.0       | 19.8       | 0    | 21.3      |      |
| 256QAM   |        | 3             | 1          | 20.1               | 20.0       | 19.6       | 0          | 21.0       | 20.0               | 20.1       | 19.8       | 0    | 21.3      |      |
|          |        | 3             | 3          | 20.0               | 20.0       | 19.6       | 0          | 21.0       | 20.1               | 20.1       | 19.9       | 0    | 21.3      |      |
|          |        | 6             | 0          | 19.9               | 19.8       | 19.5       | 0.3        | 20.7       | 19.7               | 19.7       | 19.3       | 0.6  | 20.7      |      |
|          |        | 1             | 0          | 17.5               | 17.5       | 17.2       | 2.3        | 18.7       | 17.4               | 17.3       | 16.9       | 2.6  | 18.7      |      |
|          |        | 1             | 3          | 17.8               | 17.7       | 17.4       | 2.3        | 18.7       | 17.6               | 17.5       | 17.1       | 2.6  | 18.7      |      |
|          |        | 1             | 5          | 17.6               | 17.5       | 17.2       | 2.3        | 18.7       | 17.4               | 17.3       | 16.9       | 2.6  | 18.7      |      |

**LTE Band 25 Measured Results (ANT3, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |          |      |           | Mode B Power (dBm) |            |          |      |           |
|----------|--------|---------------|-----------|--------------------|------------|----------|------|-----------|--------------------|------------|----------|------|-----------|
|          |        |               |           | 26140              | 26365      | 26590    | MPR  | Max Power | 26140              | 26365      | 26590    | MPR  | Max Power |
|          |        |               |           | 1860 MHz           | 1882.5 MHz | 1905 MHz |      |           | 1860 MHz           | 1882.5 MHz | 1905 MHz |      |           |
| 20       | QPSK   | 1             | 0         | 23.9               | 24.0       | 23.8     | 0    | 24.5      | 20.9               | 21.0       | 21.0     | 0    | 21.8      |
|          |        | 1             | 49        | 23.9               | 24.1       | 24.0     | 0    | 24.5      | 20.9               | 21.1       | 21.0     | 0    | 21.8      |
|          |        | 1             | 99        | 23.8               | 23.9       | 23.8     | 0    | 24.5      | 20.8               | 20.8       | 20.8     | 0    | 21.8      |
|          |        | 50            | 0         | 23.9               | 24.0       | 23.9     | 0.3  | 24.2      | 21.0               | 21.0       | 20.9     | 0    | 21.8      |
|          |        | 50            | 24        | 23.9               | 24.0       | 23.9     | 0.3  | 24.2      | 20.9               | 20.9       | 20.9     | 0    | 21.8      |
|          |        | 50            | 50        | 23.9               | 24.0       | 23.9     | 0.3  | 24.2      | 21.0               | 20.9       | 20.9     | 0    | 21.8      |
|          | 16QAM  | 100           | 0         | 24.0               | 24.0       | 24.0     | 0.3  | 24.2      | 21.0               | 21.0       | 21.0     | 0    | 21.8      |
|          |        | 1             | 0         | 23.4               | 23.4       | 23.2     | 0.3  | 24.2      | 21.0               | 21.3       | 21.1     | 0    | 21.8      |
|          |        | 1             | 49        | 23.5               | 23.5       | 23.6     | 0.3  | 24.2      | 21.1               | 21.3       | 21.4     | 0    | 21.8      |
|          |        | 1             | 99        | 23.4               | 23.3       | 23.2     | 0.3  | 24.2      | 21.0               | 21.1       | 21.1     | 0    | 21.8      |
|          |        | 50            | 0         | 22.9               | 22.8       | 22.9     | 1.3  | 23.2      | 21.2               | 21.1       | 21.2     | 0    | 21.8      |
|          |        | 50            | 24        | 22.8               | 22.9       | 22.8     | 1.3  | 23.2      | 21.1               | 21.1       | 21.1     | 0    | 21.8      |
|          | 64QAM  | 50            | 50        | 22.8               | 22.9       | 22.8     | 1.3  | 23.2      | 21.1               | 21.1       | 21.0     | 0    | 21.8      |
|          |        | 100           | 0         | 22.9               | 22.9       | 22.9     | 1.3  | 23.2      | 21.2               | 21.2       | 21.1     | 0    | 21.8      |
|          |        | 1             | 0         | 22.1               | 22.4       | 22.3     | 1.3  | 23.2      | 21.0               | 21.2       | 21.2     | 0    | 21.8      |
|          |        | 1             | 49        | 22.3               | 22.5       | 22.4     | 1.3  | 23.2      | 21.0               | 21.4       | 21.2     | 0    | 21.8      |
|          |        | 1             | 99        | 22.3               | 22.3       | 22.2     | 1.3  | 23.2      | 21.1               | 21.1       | 21.1     | 0    | 21.8      |
|          |        | 50            | 0         | 21.6               | 21.8       | 21.7     | 2.3  | 22.2      | 21.2               | 21.1       | 21.2     | 0    | 21.8      |
|          | 256QAM | 50            | 24        | 21.7               | 21.8       | 21.7     | 2.3  | 22.2      | 21.1               | 21.1       | 21.1     | 0    | 21.8      |
|          |        | 50            | 50        | 21.8               | 21.7       | 21.6     | 2.3  | 22.2      | 21.1               | 21.2       | 21.0     | 0    | 21.8      |
|          |        | 100           | 0         | 21.7               | 21.9       | 21.8     | 2.3  | 22.2      | 21.2               | 21.2       | 21.1     | 0    | 21.8      |
|          |        | 1             | 0         | 19.1               | 19.3       | 19.2     | 4.3  | 20.2      | 19.2               | 19.4       | 19.3     | 1.6  | 20.2      |
|          |        | 1             | 49        | 19.2               | 19.3       | 19.3     | 4.3  | 20.2      | 19.3               | 19.4       | 19.3     | 1.6  | 20.2      |
|          |        | 1             | 99        | 19.2               | 19.2       | 19.2     | 4.3  | 20.2      | 19.3               | 19.2       | 19.3     | 1.6  | 20.2      |
| 15       | QPSK   | 50            | 0         | 19.6               | 19.8       | 19.7     | 4.3  | 20.2      | 19.7               | 19.8       | 19.8     | 1.6  | 20.2      |
|          |        | 50            | 24        | 19.6               | 19.8       | 19.7     | 4.3  | 20.2      | 19.7               | 19.8       | 19.7     | 1.6  | 20.2      |
|          |        | 50            | 50        | 19.7               | 19.7       | 19.6     | 4.3  | 20.2      | 19.8               | 19.7       | 19.7     | 1.6  | 20.2      |
|          |        | 100           | 0         | 19.7               | 19.9       | 19.8     | 4.3  | 20.2      | 19.8               | 19.9       | 19.9     | 1.6  | 20.2      |
|          |        | 1             | 0         | 23.8               | 23.9       | 24.0     | 0    | 24.5      | 21.1               | 21.2       | 21.2     | 0    | 21.8      |
|          |        | 1             | 37        | 23.9               | 23.9       | 23.9     | 0    | 24.5      | 21.2               | 21.2       | 21.1     | 0    | 21.8      |
| 16QAM    | QPSK   | 1             | 74        | 23.9               | 23.8       | 23.7     | 0    | 24.5      | 21.1               | 21.1       | 21.0     | 0    | 21.8      |
|          |        | 36            | 0         | 23.9               | 23.9       | 23.9     | 0.3  | 24.2      | 21.2               | 21.1       | 21.1     | 0    | 21.8      |
|          |        | 36            | 20        | 23.9               | 23.9       | 23.8     | 0.3  | 24.2      | 21.2               | 21.2       | 21.1     | 0    | 21.8      |
|          |        | 36            | 39        | 23.9               | 23.9       | 23.8     | 0.3  | 24.2      | 21.2               | 21.2       | 21.0     | 0    | 21.8      |
|          |        | 75            | 0         | 24.0               | 23.9       | 23.9     | 0.3  | 24.2      | 21.2               | 21.2       | 21.1     | 0    | 21.8      |
|          |        | 1             | 0         | 23.5               | 23.5       | 23.5     | 0.3  | 24.2      | 21.2               | 21.3       | 21.4     | 0    | 21.8      |
|          | 16QAM  | 1             | 37        | 23.5               | 23.4       | 23.5     | 0.3  | 24.2      | 21.2               | 21.3       | 21.1     | 0    | 21.8      |
|          |        | 1             | 74        | 23.5               | 23.4       | 23.4     | 0.3  | 24.2      | 21.3               | 21.1       | 21.1     | 0    | 21.8      |
|          |        | 36            | 0         | 22.8               | 22.8       | 22.8     | 1.3  | 23.2      | 21.1               | 21.1       | 21.1     | 0    | 21.8      |
|          |        | 36            | 20        | 22.9               | 22.9       | 22.8     | 1.3  | 23.2      | 21.1               | 21.1       | 21.1     | 0    | 21.8      |
|          |        | 36            | 39        | 22.8               | 22.8       | 22.7     | 1.3  | 23.2      | 21.1               | 21.2       | 21.0     | 0    | 21.8      |
|          |        | 75            | 0         | 22.9               | 22.8       | 22.8     | 1.3  | 23.2      | 21.2               | 21.1       | 21.1     | 0    | 21.8      |
| 64QAM    | 1      | 0             | 22.3      | 22.5               | 22.5       | 1.3      | 23.2 | 21.3      | 21.4               | 21.4       | 0        | 21.8 |           |
|          | 1      | 37            | 22.3      | 22.5               | 22.3       | 1.3      | 23.2 | 21.1      | 21.3               | 21.2       | 0        | 21.8 |           |
|          | 1      | 74            | 22.5      | 22.4               | 22.3       | 1.3      | 23.2 | 21.3      | 21.1               | 21.2       | 0        | 21.8 |           |
|          | 36     | 0             | 21.6      | 21.8               | 21.7       | 2.3      | 22.2 | 21.1      | 21.1               | 21.1       | 0        | 21.8 |           |
|          | 36     | 20            | 21.6      | 21.8               | 21.6       | 2.3      | 22.2 | 21.2      | 21.1               | 21.1       | 0        | 21.8 |           |
|          | 36     | 39            | 21.6      | 21.7               | 21.6       | 2.3      | 22.2 | 21.1      | 21.1               | 21.0       | 0        | 21.8 |           |
| 256QAM   | 75     | 0             | 21.6      | 21.8               | 21.7       | 2.3      | 22.2 | 21.2      | 21.2               | 21.1       | 0        | 21.8 |           |
|          | 1      | 0             | 19.3      | 19.4               | 19.5       | 4.3      | 20.2 | 19.2      | 19.4               | 19.5       | 1.6      | 20.2 |           |
|          | 1      | 37            | 19.2      | 19.5               | 19.2       | 4.3      | 20.2 | 19.2      | 19.4               | 19.2       | 1.6      | 20.2 |           |
|          | 1      | 74            | 19.4      | 19.3               | 19.3       | 4.3      | 20.2 | 19.3      | 19.2               | 19.4       | 1.6      | 20.2 |           |
|          | 36     | 0             | 19.6      | 19.8               | 19.7       | 4.3      | 20.2 | 19.6      | 19.8               | 19.7       | 1.6      | 20.2 |           |
|          | 36     | 20            | 19.6      | 19.8               | 19.6       | 4.3      | 20.2 | 19.6      | 19.8               | 19.6       | 1.6      | 20.2 |           |
| 15       | QPSK   | 36            | 39        | 19.6               | 19.7       | 19.6     | 4.3  | 20.2      | 19.6               | 19.7       | 19.6     | 1.6  | 20.2      |
|          |        | 75            | 0         | 19.6               | 19.8       | 19.6     | 4.3  | 20.2      | 19.6               | 19.8       | 19.7     | 1.6  | 20.2      |

**LTE Band 25 Measured Results (ANT3, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |            |      |           | Mode B Power (dBm) |            |            |      |           |
|----------|--------|---------------|-----------|--------------------|------------|------------|------|-----------|--------------------|------------|------------|------|-----------|
|          |        |               |           | 26090              | 26365      | 26640      | MPR  | Max Power | 26090              | 26365      | 26640      | MPR  | Max Power |
|          |        |               |           | 1855 MHz           | 1882.5 MHz | 1910 MHz   |      |           | 1855 MHz           | 1882.5 MHz | 1910 MHz   |      |           |
| 10       | QPSK   | 1             | 0         | 23.9               | 23.9       | 23.9       | 0    | 24.5      | 21.1               | 21.2       | 21.1       | 0    | 21.8      |
|          |        | 1             | 25        | 24.0               | 24.0       | 23.8       | 0    | 24.5      | 21.2               | 21.3       | 21.1       | 0    | 21.8      |
|          |        | 1             | 49        | 23.9               | 23.9       | 23.8       | 0    | 24.5      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |
|          |        | 25            | 0         | 23.9               | 23.9       | 23.9       | 0.3  | 24.2      | 21.2               | 21.1       | 21.1       | 0    | 21.8      |
|          |        | 25            | 12        | 24.0               | 23.9       | 23.8       | 0.3  | 24.2      | 21.2               | 21.2       | 21.1       | 0    | 21.8      |
|          |        | 25            | 25        | 24.0               | 23.9       | 23.8       | 0.3  | 24.2      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |
|          | 16QAM  | 50            | 0         | 24.1               | 24.0       | 23.9       | 0.3  | 24.2      | 21.3               | 21.3       | 21.1       | 0    | 21.8      |
|          |        | 1             | 0         | 23.5               | 23.5       | 23.4       | 0.3  | 24.2      | 21.3               | 21.3       | 21.2       | 0    | 21.8      |
|          |        | 1             | 25        | 23.6               | 23.6       | 23.5       | 0.3  | 24.2      | 21.3               | 21.4       | 21.2       | 0    | 21.8      |
|          |        | 1             | 49        | 23.5               | 23.5       | 23.4       | 0.3  | 24.2      | 21.3               | 21.2       | 21.1       | 0    | 21.8      |
|          |        | 25            | 0         | 22.9               | 22.9       | 22.8       | 1.3  | 23.2      | 21.1               | 21.1       | 21.1       | 0    | 21.8      |
|          |        | 25            | 12        | 22.9               | 22.9       | 22.7       | 1.3  | 23.2      | 21.1               | 21.1       | 20.9       | 0    | 21.8      |
|          | 64QAM  | 25            | 25        | 22.9               | 22.9       | 22.7       | 1.3  | 23.2      | 21.1               | 21.1       | 20.9       | 0    | 21.8      |
|          |        | 50            | 0         | 23.0               | 22.9       | 22.8       | 1.3  | 23.2      | 21.2               | 21.2       | 21.1       | 0    | 21.8      |
|          |        | 1             | 0         | 22.4               | 22.6       | 22.5       | 1.3  | 23.2      | 21.3               | 21.3       | 21.2       | 0    | 21.8      |
|          |        | 1             | 25        | 22.3               | 22.5       | 22.3       | 1.3  | 23.2      | 21.3               | 21.3       | 21.2       | 0    | 21.8      |
|          |        | 1             | 49        | 22.4               | 22.4       | 22.4       | 1.3  | 23.2      | 21.3               | 21.3       | 21.3       | 0    | 21.8      |
|          |        | 25            | 0         | 21.6               | 21.8       | 21.6       | 2.3  | 22.2      | 21.2               | 21.1       | 21.1       | 0    | 21.8      |
|          | 256QAM | 25            | 12        | 21.6               | 21.8       | 21.6       | 2.3  | 22.2      | 21.2               | 21.1       | 21.0       | 0    | 21.8      |
|          |        | 25            | 25        | 21.6               | 21.8       | 21.6       | 2.3  | 22.2      | 21.2               | 21.1       | 20.9       | 0    | 21.8      |
|          |        | 50            | 0         | 21.7               | 21.9       | 21.7       | 2.3  | 22.2      | 21.2               | 21.2       | 21.1       | 0    | 21.8      |
|          |        | 1             | 0         | 19.4               | 19.6       | 19.4       | 4.3  | 20.2      | 19.3               | 19.6       | 19.4       | 1.6  | 20.2      |
|          |        | 1             | 25        | 19.3               | 19.5       | 19.3       | 4.3  | 20.2      | 19.2               | 19.5       | 19.3       | 1.6  | 20.2      |
|          |        | 1             | 49        | 19.4               | 19.3       | 19.4       | 4.3  | 20.2      | 19.3               | 19.4       | 19.4       | 1.6  | 20.2      |
|          | 5      | QPSK          | 25        | 0                  | 19.6       | 19.8       | 19.6 | 4.3       | 20.2               | 19.6       | 19.8       | 19.6 | 1.6       |
| 25       |        |               | 12        | 19.6               | 19.8       | 19.6       | 4.3  | 20.2      | 19.7               | 19.8       | 19.6       | 1.6  | 20.2      |
| 25       |        |               | 25        | 19.6               | 19.8       | 19.6       | 4.3  | 20.2      | 19.7               | 19.8       | 19.6       | 1.6  | 20.2      |
| 50       |        |               | 0         | 19.7               | 19.9       | 19.7       | 4.3  | 20.2      | 19.7               | 19.9       | 19.7       | 1.6  | 20.2      |
| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |            |      |           | Mode B Power (dBm) |            |            |      |           |
|          |        |               |           | 26065              | 26365      | 26665      | MPR  | Max Power | 26065              | 26365      | 26665      | MPR  | Max Power |
|          |        |               |           | 1852.5 MHz         | 1882.5 MHz | 1912.5 MHz |      |           | 1852.5 MHz         | 1882.5 MHz | 1912.5 MHz |      |           |
| 5        | QPSK   | 1             | 0         | 23.9               | 24.0       | 23.9       | 0    | 24.5      | 21.2               | 21.2       | 21.1       | 0    | 21.8      |
|          |        | 1             | 12        | 23.9               | 23.9       | 23.8       | 0    | 24.5      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |
|          |        | 1             | 24        | 24.0               | 23.9       | 23.8       | 0    | 24.5      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |
|          |        | 12            | 0         | 23.9               | 23.9       | 23.8       | 0.3  | 24.2      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |
|          |        | 12            | 7         | 24.0               | 24.0       | 23.8       | 0.3  | 24.2      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |
|          |        | 12            | 13        | 23.9               | 24.0       | 23.8       | 0.3  | 24.2      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |
|          | 16QAM  | 25            | 0         | 24.0               | 24.0       | 23.8       | 0.3  | 24.2      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |
|          |        | 1             | 0         | 23.6               | 23.5       | 23.4       | 0.3  | 24.2      | 21.4               | 21.3       | 21.2       | 0    | 21.8      |
|          |        | 1             | 12        | 23.6               | 23.5       | 23.4       | 0.3  | 24.2      | 21.4               | 21.3       | 21.1       | 0    | 21.8      |
|          |        | 1             | 24        | 23.6               | 23.5       | 23.4       | 0.3  | 24.2      | 21.4               | 21.3       | 21.2       | 0    | 21.8      |
|          |        | 12            | 0         | 22.8               | 22.9       | 22.7       | 1.3  | 23.2      | 21.1               | 21.1       | 21.0       | 0    | 21.8      |
|          |        | 12            | 7         | 22.9               | 22.9       | 22.7       | 1.3  | 23.2      | 21.2               | 21.1       | 21.0       | 0    | 21.8      |
|          | 64QAM  | 12            | 13        | 22.9               | 22.9       | 22.7       | 1.3  | 23.2      | 21.2               | 21.1       | 21.0       | 0    | 21.8      |
|          |        | 25            | 0         | 22.9               | 23.0       | 22.7       | 1.3  | 23.2      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |
|          |        | 1             | 0         | 22.4               | 22.5       | 22.4       | 1.3  | 23.2      | 21.4               | 21.3       | 21.1       | 0    | 21.8      |
|          |        | 1             | 12        | 22.3               | 22.4       | 22.4       | 1.3  | 23.2      | 21.4               | 21.3       | 21.1       | 0    | 21.8      |
|          |        | 1             | 24        | 22.4               | 22.4       | 22.4       | 1.3  | 23.2      | 21.4               | 21.2       | 21.2       | 0    | 21.8      |
|          |        | 12            | 0         | 21.7               | 21.8       | 21.7       | 2.3  | 22.2      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |
|          | 256QAM | 12            | 7         | 21.7               | 21.8       | 21.7       | 2.3  | 22.2      | 21.2               | 21.1       | 21.0       | 0    | 21.8      |
|          |        | 12            | 13        | 21.7               | 21.8       | 21.7       | 2.3  | 22.2      | 21.2               | 21.1       | 21.0       | 0    | 21.8      |
|          |        | 25            | 0         | 21.7               | 21.8       | 21.7       | 2.3  | 22.2      | 21.2               | 21.1       | 21.0       | 0    | 21.8      |
|          |        | 1             | 0         | 19.3               | 19.4       | 19.3       | 4.3  | 20.2      | 19.4               | 19.4       | 19.3       | 1.6  | 20.2      |
|          |        | 1             | 12        | 19.2               | 19.4       | 19.4       | 4.3  | 20.2      | 19.3               | 19.5       | 19.3       | 1.6  | 20.2      |
|          |        | 1             | 24        | 19.3               | 19.3       | 19.5       | 4.3  | 20.2      | 19.3               | 19.4       | 19.4       | 1.6  | 20.2      |
|          | 5      | QPSK          | 12        | 0                  | 19.7       | 19.8       | 19.6 | 4.3       | 20.2               | 19.7       | 19.8       | 19.6 | 1.6       |
| 12       |        |               | 7         | 19.7               | 19.8       | 19.6       | 4.3  | 20.2      | 19.7               | 19.8       | 19.6       | 1.6  | 20.2      |
| 12       |        |               | 13        | 19.7               | 19.8       | 19.6       | 4.3  | 20.2      | 19.6               | 19.8       | 19.6       | 1.6  | 20.2      |
| 25       |        |               | 0         | 19.6               | 19.8       | 19.6       | 4.3  | 20.2      | 19.6               | 19.8       | 19.6       | 1.6  | 20.2      |

**LTE Band 25 Measured Results (ANT3, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |            |      |           | Mode B Power (dBm) |            |            |      |           |      |
|----------|--------|---------------|-----------|--------------------|------------|------------|------|-----------|--------------------|------------|------------|------|-----------|------|
|          |        |               |           | 26055              | 26365      | 26675      | MPR  | Max Power | 26055              | 26365      | 26675      | MPR  | Max Power |      |
|          |        |               |           | 1851.5 MHz         | 1882.5 MHz | 1913.5 MHz |      |           | 1851.5 MHz         | 1882.5 MHz | 1913.5 MHz |      |           |      |
| 3        | QPSK   | 1             | 0         | 23.8               | 23.8       | 23.7       | 0    | 24.5      | 21.1               | 21.1       | 20.9       | 0    | 21.8      |      |
|          |        | 1             | 8         | 23.9               | 24.0       | 23.8       | 0    | 24.5      | 21.1               | 21.2       | 21.1       | 0    | 21.8      |      |
|          |        | 1             | 14        | 23.9               | 23.8       | 23.6       | 0    | 24.5      | 21.1               | 21.0       | 20.9       | 0    | 21.8      |      |
|          |        | 8             | 0         | 23.8               | 23.9       | 23.7       | 0.3  | 24.2      | 21.1               | 21.1       | 20.9       | 0    | 21.8      |      |
|          |        | 8             | 4         | 23.9               | 23.9       | 23.7       | 0.3  | 24.2      | 21.1               | 21.2       | 21.0       | 0    | 21.8      |      |
|          |        | 8             | 7         | 23.9               | 23.9       | 23.7       | 0.3  | 24.2      | 21.1               | 21.2       | 21.0       | 0    | 21.8      |      |
|          | 16QAM  | 15            | 0         | 23.8               | 23.9       | 23.7       | 0.3  | 24.2      | 21.1               | 21.1       | 20.9       | 0    | 21.8      |      |
|          |        | 1             | 0         | 23.4               | 23.4       | 23.2       | 0.3  | 24.2      | 21.2               | 21.3       | 21.0       | 0    | 21.8      |      |
|          |        | 1             | 8         | 23.6               | 23.6       | 23.4       | 0.3  | 24.2      | 21.3               | 21.4       | 21.2       | 0    | 21.8      |      |
|          |        | 1             | 14        | 23.4               | 23.4       | 23.3       | 0.3  | 24.2      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |      |
|          |        | 8             | 0         | 22.8               | 22.9       | 22.6       | 1.3  | 23.2      | 21.1               | 21.1       | 20.9       | 0    | 21.8      |      |
|          |        | 8             | 4         | 22.9               | 22.9       | 22.7       | 1.3  | 23.2      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |      |
|          | 64QAM  | 8             | 7         | 22.8               | 22.9       | 22.7       | 1.3  | 23.2      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |      |
|          |        | 15            | 0         | 22.8               | 22.8       | 22.6       | 1.3  | 23.2      | 21.1               | 21.1       | 20.9       | 0    | 21.8      |      |
|          |        | 1             | 0         | 22.2               | 22.4       | 22.2       | 1.3  | 23.2      | 21.2               | 21.2       | 20.9       | 0    | 21.8      |      |
|          |        | 1             | 8         | 22.4               | 22.5       | 22.4       | 1.3  | 23.2      | 21.3               | 21.4       | 21.2       | 0    | 21.8      |      |
|          |        | 1             | 14        | 22.2               | 22.4       | 22.2       | 1.3  | 23.2      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |      |
|          |        | 8             | 0         | 21.7               | 21.8       | 21.6       | 2.3  | 22.2      | 21.1               | 21.1       | 20.9       | 0    | 21.8      |      |
|          | 256QAM | 8             | 4         | 21.7               | 21.8       | 21.7       | 2.3  | 22.2      | 21.2               | 21.1       | 20.9       | 0    | 21.8      |      |
|          |        | 8             | 7         | 21.7               | 21.8       | 21.6       | 2.3  | 22.2      | 21.1               | 21.1       | 20.9       | 0    | 21.8      |      |
|          |        | 15            | 0         | 21.6               | 21.8       | 21.6       | 2.3  | 22.2      | 21.1               | 21.0       | 20.9       | 0    | 21.8      |      |
|          |        | 1             | 0         | 19.2               | 19.3       | 19.1       | 4.3  | 20.2      | 19.4               | 19.5       | 19.2       | 1.6  | 20.2      |      |
|          |        | 1             | 8         | 19.3               | 19.5       | 19.3       | 4.3  | 20.2      | 19.5               | 19.7       | 19.5       | 1.6  | 20.2      |      |
|          |        | 1             | 14        | 19.2               | 19.3       | 19.2       | 4.3  | 20.2      | 19.3               | 19.5       | 19.3       | 1.6  | 20.2      |      |
| 1.4      | QPSK   | 8             | 0         | 19.6               | 19.8       | 19.6       | 4.3  | 20.2      | 19.8               | 19.9       | 19.7       | 1.6  | 20.2      |      |
|          |        | 8             | 4         | 19.7               | 19.8       | 19.7       | 4.3  | 20.2      | 19.8               | 20.0       | 19.8       | 1.6  | 20.2      |      |
|          |        | 8             | 7         | 19.7               | 19.8       | 19.7       | 4.3  | 20.2      | 19.8               | 19.9       | 19.7       | 1.6  | 20.2      |      |
|          |        | 15            | 0         | 19.6               | 19.8       | 19.6       | 4.3  | 20.2      | 19.8               | 19.9       | 19.7       | 1.6  | 20.2      |      |
|          |        | 16QAM         | 1         | 0                  | 23.7       | 23.8       | 23.6 | 0         | 24.5               | 21.0       | 21.1       | 20.9 | 0         | 21.8 |
|          |        |               | 1         | 3                  | 23.9       | 24.0       | 23.8 | 0         | 24.5               | 21.2       | 21.3       | 21.1 | 0         | 21.8 |
|          | 1      |               | 5         | 23.7               | 23.8       | 23.6       | 0    | 24.5      | 21.0               | 21.1       | 21.0       | 0    | 21.8      |      |
|          | 3      |               | 0         | 23.8               | 23.8       | 23.6       | 0    | 24.5      | 21.1               | 21.1       | 20.9       | 0    | 21.8      |      |
|          | 3      |               | 1         | 23.9               | 23.9       | 23.7       | 0    | 24.5      | 21.1               | 21.2       | 21.0       | 0    | 21.8      |      |
|          | 3      |               | 3         | 23.9               | 23.9       | 23.7       | 0    | 24.5      | 21.1               | 21.2       | 21.0       | 0    | 21.8      |      |
|          | 6      |               | 0         | 23.8               | 23.8       | 23.7       | 0.3  | 24.2      | 21.1               | 21.2       | 21.0       | 0    | 21.8      |      |
|          | 64QAM  |               | 1         | 0                  | 23.4       | 23.4       | 23.3 | 0.3       | 24.2               | 21.2       | 21.2       | 21.1 | 0         | 21.8 |
|          |        |               | 1         | 3                  | 23.6       | 23.6       | 23.5 | 0.3       | 24.2               | 21.4       | 21.4       | 21.2 | 0         | 21.8 |
|          |        |               | 1         | 5                  | 23.4       | 23.4       | 23.2 | 0.3       | 24.2               | 21.1       | 21.2       | 21.0 | 0         | 21.8 |
|          |        |               | 3         | 0                  | 23.9       | 23.9       | 23.8 | 0.3       | 24.2               | 21.2       | 21.2       | 21.0 | 0         | 21.8 |
|          |        |               | 3         | 1                  | 23.9       | 24.0       | 23.8 | 0.3       | 24.2               | 21.3       | 21.3       | 21.1 | 0         | 21.8 |
|          |        | 3             | 3         | 23.9               | 24.0       | 23.8       | 0.3  | 24.2      | 21.3               | 21.3       | 21.1       | 0    | 21.8      |      |
|          | 256QAM | 6             | 0         | 22.8               | 22.8       | 22.6       | 1.3  | 23.2      | 21.1               | 21.1       | 20.9       | 0    | 21.8      |      |
|          |        | 1             | 0         | 22.2               | 22.3       | 22.2       | 1.3  | 23.2      | 21.1               | 21.1       | 21.0       | 0    | 21.8      |      |
|          |        | 1             | 3         | 22.4               | 22.4       | 22.4       | 1.3  | 23.2      | 21.3               | 21.4       | 21.2       | 0    | 21.8      |      |
|          |        | 1             | 5         | 22.2               | 22.2       | 22.3       | 1.3  | 23.2      | 21.2               | 21.1       | 21.1       | 0    | 21.8      |      |
|          |        | 3             | 0         | 22.7               | 22.8       | 22.7       | 1.3  | 23.2      | 21.2               | 21.2       | 21.0       | 0    | 21.8      |      |
|          |        | 3             | 1         | 22.8               | 22.9       | 22.7       | 1.3  | 23.2      | 21.3               | 21.2       | 21.1       | 0    | 21.8      |      |
|          | QPSK   | 3             | 3         | 22.8               | 22.9       | 22.7       | 1.3  | 23.2      | 21.3               | 21.2       | 21.1       | 0    | 21.8      |      |
| 6        |        | 0             | 21.7      | 21.7               | 21.6       | 2.3        | 22.2 | 21.1      | 21.1               | 20.9       | 0          | 21.8 |           |      |
| 1        |        | 0             | 19.1      | 19.2               | 19.2       | 4.3        | 20.2 | 19.4      | 19.5               | 19.3       | 1.6        | 20.2 |           |      |
| 1        |        | 3             | 19.3      | 19.4               | 19.3       | 4.3        | 20.2 | 19.6      | 19.6               | 19.5       | 1.6        | 20.2 |           |      |
| 1        |        | 5             | 19.1      | 19.3               | 19.2       | 4.3        | 20.2 | 19.4      | 19.4               | 19.3       | 1.6        | 20.2 |           |      |
| 3        |        | 0             | 19.7      | 19.8               | 19.6       | 4.3        | 20.2 | 19.9      | 20.0               | 19.8       | 1.6        | 20.2 |           |      |
| 16QAM    | 3      | 1             | 19.7      | 19.8               | 19.7       | 4.3        | 20.2 | 19.9      | 20.0               | 19.8       | 1.6        | 20.2 |           |      |
|          | 3      | 3             | 19.7      | 19.8               | 19.7       | 4.3        | 20.2 | 19.8      | 20.0               | 19.8       | 1.6        | 20.2 |           |      |
|          | 6      | 0             | 19.6      | 19.8               | 19.6       | 4.3        | 20.2 | 19.8      | 19.9               | 19.7       | 1.6        | 20.2 |           |      |

**LTE Band 25 Measured Results (ANT4, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |          |      |           | Mode B Power (dBm) |            |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|------------|----------|------|-----------|--------------------|------------|----------|------|-----------|------|
|          |        |               |           | 26140              | 26365      | 26590    | MPR  | Max Power | 26140              | 26365      | 26590    | MPR  | Max Power |      |
|          |        |               |           | 1860 MHz           | 1882.5 MHz | 1905 MHz |      |           | 1860 MHz           | 1882.5 MHz | 1905 MHz |      |           |      |
| 20       | QPSK   | 1             | 0         | 19.0               | 18.9       | 19.0     | 0    | 19.8      | 20.1               | 20.1       | 20.2     | 0    | 21.7      |      |
|          |        | 1             | 49        | 19.0               | 19.1       | 19.1     | 0    | 19.8      | 20.2               | 20.4       | 20.4     | 0    | 21.7      |      |
|          |        | 1             | 99        | 19.0               | 19.0       | 19.1     | 0    | 19.8      | 20.2               | 20.3       | 20.3     | 0    | 21.7      |      |
|          |        | 50            | 0         | 19.1               | 19.1       | 19.1     | 0    | 19.8      | 20.4               | 20.4       | 20.3     | 0    | 21.7      |      |
|          |        | 50            | 24        | 19.0               | 19.1       | 19.2     | 0    | 19.8      | 20.3               | 20.4       | 20.4     | 0    | 21.7      |      |
|          |        | 50            | 50        | 19.1               | 19.2       | 19.1     | 0    | 19.8      | 20.3               | 20.5       | 20.3     | 0    | 21.7      |      |
|          | 16QAM  | 100           | 0         | 19.1               | 19.2       | 19.2     | 0    | 19.8      | 20.3               | 20.5       | 20.5     | 0    | 21.7      |      |
|          |        | 1             | 0         | 18.9               | 19.2       | 19.2     | 0    | 19.8      | 20.6               | 20.7       | 20.8     | 0    | 21.7      |      |
|          |        | 1             | 49        | 19.3               | 19.3       | 19.2     | 0    | 19.8      | 20.8               | 20.8       | 20.8     | 0    | 21.7      |      |
|          |        | 1             | 99        | 19.1               | 19.3       | 19.0     | 0    | 19.8      | 20.7               | 20.7       | 20.6     | 0    | 21.7      |      |
|          |        | 50            | 0         | 18.9               | 18.9       | 18.9     | 0    | 19.8      | 20.5               | 20.5       | 20.6     | 0.5  | 21.2      |      |
|          |        | 50            | 24        | 18.8               | 19.0       | 18.8     | 0    | 19.8      | 20.4               | 20.5       | 20.4     | 0.5  | 21.2      |      |
|          | 64QAM  | 50            | 50        | 18.9               | 18.9       | 18.8     | 0    | 19.8      | 20.4               | 20.5       | 20.4     | 0.5  | 21.2      |      |
|          |        | 100           | 0         | 18.9               | 19.0       | 18.9     | 0    | 19.8      | 20.5               | 20.6       | 20.5     | 0.5  | 21.2      |      |
|          |        | 1             | 0         | 18.9               | 19.1       | 19.0     | 0    | 19.8      | 20.0               | 20.1       | 20.2     | 0.5  | 21.2      |      |
|          |        | 1             | 49        | 19.1               | 18.9       | 19.1     | 0    | 19.8      | 20.2               | 20.3       | 20.2     | 0.5  | 21.2      |      |
|          |        | 1             | 99        | 19.0               | 19.1       | 18.7     | 0    | 19.8      | 20.1               | 20.1       | 19.9     | 0.5  | 21.2      |      |
|          |        | 50            | 0         | 18.9               | 18.9       | 18.9     | 0    | 19.8      | 19.6               | 19.5       | 19.5     | 1.5  | 20.2      |      |
|          | 256QAM | 50            | 24        | 18.8               | 19.0       | 18.9     | 0    | 19.8      | 19.5               | 19.5       | 19.4     | 1.5  | 20.2      |      |
|          |        | 50            | 50        | 18.9               | 19.0       | 18.8     | 0    | 19.8      | 19.5               | 19.5       | 19.4     | 1.5  | 20.2      |      |
|          |        | 100           | 0         | 18.9               | 19.0       | 18.9     | 0    | 19.8      | 19.5               | 19.6       | 19.5     | 1.5  | 20.2      |      |
|          |        | 1             | 0         | 16.8               | 16.9       | 17.0     | 1.6  | 18.2      | 17.0               | 17.1       | 17.2     | 3.5  | 18.2      |      |
|          |        | 1             | 49        | 17.0               | 17.0       | 16.9     | 1.6  | 18.2      | 17.3               | 17.3       | 17.1     | 3.5  | 18.2      |      |
|          |        | 1             | 99        | 16.9               | 17.0       | 16.8     | 1.6  | 18.2      | 17.0               | 17.3       | 16.9     | 3.5  | 18.2      |      |
| 15       | QPSK   | 50            | 0         | 17.3               | 17.3       | 17.3     | 1.6  | 18.2      | 17.6               | 17.5       | 17.5     | 3.5  | 18.2      |      |
|          |        | 50            | 24        | 17.2               | 17.3       | 17.2     | 1.6  | 18.2      | 17.5               | 17.6       | 17.4     | 3.5  | 18.2      |      |
|          |        | 50            | 50        | 17.3               | 17.4       | 17.2     | 1.6  | 18.2      | 17.5               | 17.5       | 17.4     | 3.5  | 18.2      |      |
|          |        | 100           | 0         | 17.3               | 17.4       | 17.3     | 1.6  | 18.2      | 17.5               | 17.6       | 17.5     | 3.5  | 18.2      |      |
|          |        | 16QAM         | 1         | 0                  | 18.9       | 19.0     | 19.0 | 0         | 19.8               | 20.5       | 20.6     | 20.6 | 0         | 21.7 |
|          |        |               | 1         | 37                 | 19.1       | 19.0     | 18.9 | 0         | 19.8               | 20.6       | 20.7     | 20.5 | 0         | 21.7 |
|          | 1      |               | 74        | 18.9               | 19.0       | 18.8     | 0    | 19.8      | 20.5               | 20.6       | 20.5     | 0    | 21.7      |      |
|          | 36     |               | 0         | 19.0               | 19.0       | 19.0     | 0    | 19.8      | 20.5               | 20.6       | 20.6     | 0    | 21.7      |      |
|          | 36     |               | 20        | 19.0               | 19.0       | 18.8     | 0    | 19.8      | 20.6               | 20.6       | 20.4     | 0    | 21.7      |      |
|          | 36     |               | 39        | 18.9               | 19.0       | 18.8     | 0    | 19.8      | 20.5               | 20.6       | 20.4     | 0    | 21.7      |      |
|          | 64QAM  | 75            | 0         | 19.0               | 19.0       | 18.9     | 0    | 19.8      | 20.6               | 20.6       | 20.4     | 0    | 21.7      |      |
|          |        | 1             | 0         | 19.1               | 19.2       | 19.3     | 0    | 19.8      | 20.6               | 20.8       | 20.8     | 0    | 21.7      |      |
|          |        | 1             | 37        | 19.2               | 19.2       | 19.2     | 0    | 19.8      | 20.7               | 20.8       | 20.8     | 0    | 21.7      |      |
|          |        | 1             | 74        | 19.1               | 19.3       | 19.2     | 0    | 19.8      | 20.6               | 20.9       | 20.7     | 0    | 21.7      |      |
|          |        | 36            | 0         | 18.9               | 18.9       | 18.9     | 0    | 19.8      | 20.5               | 20.5       | 20.5     | 0.5  | 21.2      |      |
|          |        | 36            | 20        | 18.9               | 19.0       | 18.8     | 0    | 19.8      | 20.5               | 20.5       | 20.4     | 0.5  | 21.2      |      |
|          | 256QAM | 36            | 39        | 18.9               | 19.0       | 18.8     | 0    | 19.8      | 20.5               | 20.5       | 20.4     | 0.5  | 21.2      |      |
|          |        | 75            | 0         | 19.0               | 19.0       | 18.8     | 0    | 19.8      | 20.6               | 20.5       | 20.4     | 0.5  | 21.2      |      |
|          |        | 1             | 0         | 19.1               | 19.1       | 19.1     | 0    | 19.8      | 20.1               | 20.2       | 20.3     | 0.5  | 21.2      |      |
|          |        | 1             | 37        | 19.1               | 19.2       | 19.1     | 0    | 19.8      | 20.2               | 20.3       | 20.2     | 0.5  | 21.2      |      |
|          |        | 1             | 74        | 19.1               | 19.3       | 19.0     | 0    | 19.8      | 20.2               | 20.2       | 20.2     | 0.5  | 21.2      |      |
|          |        | 36            | 0         | 18.9               | 18.9       | 19.0     | 0    | 19.8      | 19.5               | 19.5       | 19.6     | 1.5  | 20.2      |      |
|          | 256QAM | 36            | 20        | 19.0               | 19.0       | 18.8     | 0    | 19.8      | 19.5               | 19.6       | 19.5     | 1.5  | 20.2      |      |
|          |        | 36            | 39        | 18.9               | 19.0       | 18.8     | 0    | 19.8      | 19.5               | 19.5       | 19.4     | 1.5  | 20.2      |      |
| 75       |        | 0             | 19.0      | 19.0               | 18.9       | 0        | 19.8 | 19.6      | 19.6               | 19.5       | 1.5      | 20.2 |           |      |
| 1        |        | 0             | 16.9      | 17.0               | 17.1       | 1.6      | 18.2 | 17.2      | 17.2               | 17.2       | 3.5      | 18.2 |           |      |
| 1        |        | 37            | 17.0      | 17.0               | 16.9       | 1.6      | 18.2 | 17.2      | 17.2               | 17.1       | 3.5      | 18.2 |           |      |
| 1        |        | 74            | 17.0      | 17.1               | 17.0       | 1.6      | 18.2 | 17.2      | 17.3               | 17.2       | 3.5      | 18.2 |           |      |

**LTE Band 25 Measured Results (ANT4, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |          |      |           | Mode B Power (dBm) |            |          |      |           |
|----------|--------|---------------|-----------|--------------------|------------|----------|------|-----------|--------------------|------------|----------|------|-----------|
|          |        |               |           | 26090              | 26365      | 26640    | MPR  | Max Power | 26090              | 26365      | 26640    | MPR  | Max Power |
|          |        |               |           | 1855 MHz           | 1882.5 MHz | 1910 MHz |      |           | 1855 MHz           | 1882.5 MHz | 1910 MHz |      |           |
| 10       | QPSK   | 1             | 0         | 19.0               | 19.1       | 19.0     | 0    | 19.8      | 20.6               | 20.6       | 20.6     | 0    | 21.7      |
|          |        | 1             | 25        | 19.1               | 19.1       | 18.9     | 0    | 19.8      | 20.7               | 20.7       | 20.6     | 0    | 21.7      |
|          |        | 1             | 49        | 19.1               | 19.0       | 18.9     | 0    | 19.8      | 20.6               | 20.7       | 20.6     | 0    | 21.7      |
|          |        | 25            | 0         | 19.1               | 19.0       | 18.9     | 0    | 19.8      | 20.7               | 20.6       | 20.5     | 0    | 21.7      |
|          |        | 25            | 12        | 19.1               | 19.1       | 18.9     | 0    | 19.8      | 20.7               | 20.7       | 20.5     | 0    | 21.7      |
|          |        | 25            | 25        | 19.1               | 19.1       | 18.9     | 0    | 19.8      | 20.7               | 20.7       | 20.5     | 0    | 21.7      |
|          | 16QAM  | 50            | 0         | 19.1               | 19.1       | 19.0     | 0    | 19.8      | 20.7               | 20.7       | 20.6     | 0    | 21.7      |
|          |        | 1             | 0         | 19.2               | 19.2       | 19.2     | 0    | 19.8      | 20.8               | 20.8       | 20.8     | 0    | 21.7      |
|          |        | 1             | 25        | 19.3               | 19.3       | 19.2     | 0    | 19.8      | 20.9               | 20.9       | 20.8     | 0    | 21.7      |
|          |        | 1             | 49        | 19.3               | 19.2       | 19.1     | 0    | 19.8      | 20.8               | 20.9       | 20.8     | 0    | 21.7      |
|          |        | 25            | 0         | 19.0               | 19.0       | 18.9     | 0    | 19.8      | 20.6               | 20.6       | 20.5     | 0.5  | 21.2      |
|          |        | 25            | 12        | 19.0               | 19.0       | 18.9     | 0    | 19.8      | 20.6               | 20.6       | 20.5     | 0.5  | 21.2      |
|          | 64QAM  | 25            | 25        | 19.0               | 19.0       | 18.9     | 0    | 19.8      | 20.6               | 20.6       | 20.5     | 0.5  | 21.2      |
|          |        | 50            | 0         | 19.1               | 19.1       | 18.9     | 0    | 19.8      | 20.6               | 20.7       | 20.5     | 0.5  | 21.2      |
|          |        | 1             | 0         | 19.2               | 19.1       | 19.1     | 0    | 19.8      | 20.2               | 20.3       | 20.2     | 0.5  | 21.2      |
|          |        | 1             | 25        | 19.2               | 19.1       | 19.0     | 0    | 19.8      | 20.3               | 20.3       | 20.2     | 0.5  | 21.2      |
|          |        | 1             | 49        | 19.2               | 19.2       | 19.1     | 0    | 19.8      | 20.3               | 20.3       | 20.2     | 0.5  | 21.2      |
|          |        | 25            | 0         | 19.0               | 19.0       | 18.9     | 0    | 19.8      | 19.6               | 19.6       | 19.5     | 1.5  | 20.2      |
|          | 256QAM | 25            | 12        | 19.0               | 19.0       | 18.9     | 0    | 19.8      | 19.6               | 19.6       | 19.5     | 1.5  | 20.2      |
|          |        | 25            | 25        | 19.0               | 19.1       | 18.9     | 0    | 19.8      | 19.6               | 19.6       | 19.5     | 1.5  | 20.2      |
|          |        | 50            | 0         | 19.1               | 19.1       | 18.9     | 0    | 19.8      | 19.7               | 19.7       | 19.5     | 1.5  | 20.2      |
|          |        | 1             | 0         | 17.0               | 17.0       | 17.0     | 1.6  | 18.2      | 17.2               | 17.2       | 17.3     | 3.5  | 18.2      |
|          |        | 1             | 25        | 17.0               | 17.0       | 16.9     | 1.6  | 18.2      | 17.3               | 17.2       | 17.1     | 3.5  | 18.2      |
|          |        | 1             | 49        | 17.0               | 17.1       | 16.9     | 1.6  | 18.2      | 17.3               | 17.3       | 17.2     | 3.5  | 18.2      |
|          | 5      | QPSK          | 25        | 0                  | 17.3       | 17.3     | 17.3 | 1.6       | 18.2               | 17.6       | 17.6     | 17.5 | 3.5       |
| 25       |        |               | 12        | 17.4               | 17.4       | 17.3     | 1.6  | 18.2      | 17.6               | 17.6       | 17.5     | 3.5  | 18.2      |
| 25       |        |               | 25        | 17.4               | 17.4       | 17.3     | 1.6  | 18.2      | 17.7               | 17.6       | 17.5     | 3.5  | 18.2      |
| 50       |        |               | 0         | 17.5               | 17.5       | 17.3     | 1.6  | 18.2      | 17.7               | 17.7       | 17.5     | 3.5  | 18.2      |
| 1        |        |               | 0         | 19.0               | 19.1       | 19.0     | 0    | 19.8      | 20.6               | 20.7       | 20.5     | 0    | 21.7      |
| 1        |        |               | 12        | 19.0               | 19.1       | 19.0     | 0    | 19.8      | 20.6               | 20.6       | 20.5     | 0    | 21.7      |
| 16QAM    |        | 1             | 24        | 19.1               | 19.1       | 18.9     | 0    | 19.8      | 20.7               | 20.6       | 20.5     | 0    | 21.7      |
|          |        | 12            | 0         | 19.0               | 19.1       | 19.0     | 0    | 19.8      | 20.5               | 20.7       | 20.6     | 0    | 21.7      |
|          |        | 12            | 7         | 19.0               | 19.1       | 19.0     | 0    | 19.8      | 20.5               | 20.6       | 20.5     | 0    | 21.7      |
|          |        | 12            | 13        | 19.0               | 19.1       | 19.0     | 0    | 19.8      | 20.5               | 20.6       | 20.5     | 0    | 21.7      |
|          | 25     | 0             | 19.0      | 19.1               | 19.0       | 0        | 19.8 | 20.6      | 20.7               | 20.6       | 0        | 21.7 |           |
|          | 1      | 0             | 19.3      | 19.4               | 19.4       | 0        | 19.8 | 20.9      | 21.0               | 21.0       | 0        | 21.7 |           |
| 64QAM    | 1      | 12            | 19.3      | 19.4               | 19.3       | 0        | 19.8 | 20.9      | 21.0               | 21.0       | 0        | 21.7 |           |
|          | 1      | 24            | 19.4      | 19.4               | 19.4       | 0        | 19.8 | 21.0      | 21.0               | 21.0       | 0        | 21.7 |           |
|          | 12     | 0             | 18.9      | 19.1               | 19.0       | 0        | 19.8 | 20.5      | 20.6               | 20.6       | 0.5      | 21.2 |           |
|          | 12     | 7             | 19.0      | 19.0               | 18.9       | 0        | 19.8 | 20.5      | 20.6               | 20.5       | 0.5      | 21.2 |           |
|          | 12     | 13            | 19.0      | 19.0               | 18.9       | 0        | 19.8 | 20.5      | 20.6               | 20.5       | 0.5      | 21.2 |           |
|          | 25     | 0             | 18.9      | 19.0               | 18.9       | 0        | 19.8 | 20.5      | 20.6               | 20.5       | 0.5      | 21.2 |           |
| 256QAM   | 1      | 0             | 19.2      | 19.2               | 19.1       | 0        | 19.8 | 20.2      | 20.3               | 20.2       | 0.5      | 21.2 |           |
|          | 1      | 12            | 19.1      | 19.2               | 19.1       | 0        | 19.8 | 20.2      | 20.3               | 20.2       | 0.5      | 21.2 |           |
|          | 1      | 24            | 19.2      | 19.3               | 19.1       | 0        | 19.8 | 20.3      | 20.3               | 20.2       | 0.5      | 21.2 |           |
|          | 12     | 0             | 19.0      | 19.1               | 19.0       | 0        | 19.8 | 19.5      | 19.6               | 19.5       | 1.5      | 20.2 |           |
|          | 12     | 7             | 19.0      | 19.1               | 18.9       | 0        | 19.8 | 19.5      | 19.6               | 19.5       | 1.5      | 20.2 |           |
|          | 12     | 13            | 19.0      | 19.1               | 18.9       | 0        | 19.8 | 19.5      | 19.6               | 19.5       | 1.5      | 20.2 |           |
|          | 25     | 0             | 19.0      | 19.1               | 19.0       | 0        | 19.8 | 19.6      | 19.6               | 19.5       | 1.5      | 20.2 |           |
|          | 1      | 0             | 17.0      | 17.2               | 17.0       | 1.6      | 18.2 | 17.1      | 17.3               | 17.2       | 3.5      | 18.2 |           |
| 1        | 12     | 17.0          | 17.1      | 17.0               | 1.6        | 18.2     | 17.2 | 17.2      | 17.2               | 3.5        | 18.2     |      |           |
| 1        | 24     | 17.0          | 17.2      | 17.0               | 1.6        | 18.2     | 17.2 | 17.3      | 17.2               | 3.5        | 18.2     |      |           |
| 12       | 0      | 17.3          | 17.5      | 17.3               | 1.6        | 18.2     | 17.5 | 17.6      | 17.6               | 3.5        | 18.2     |      |           |
| 12       | 7      | 17.4          | 17.4      | 17.3               | 1.6        | 18.2     | 17.5 | 17.6      | 17.5               | 3.5        | 18.2     |      |           |
| 12       | 13     | 17.4          | 17.4      | 17.3               | 1.6        | 18.2     | 17.5 | 17.6      | 17.5               | 3.5        | 18.2     |      |           |
| 25       | 0      | 17.4          | 17.4      | 17.3               | 1.6        | 18.2     | 17.5 | 17.6      | 17.5               | 3.5        | 18.2     |      |           |

**LTE Band 25 Measured Results (ANT4, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset  | Mode A Power (dBm) |            |            |            |            | Mode B Power (dBm) |            |            |      |           |      |
|----------|--------|---------------|------------|--------------------|------------|------------|------------|------------|--------------------|------------|------------|------|-----------|------|
|          |        |               |            | 26055              | 26365      | 26675      | MPR        | Max Power  | 26055              | 26365      | 26675      | MPR  | Max Power |      |
|          |        |               |            | 1851.5 MHz         | 1882.5 MHz | 1913.5 MHz |            |            | 1851.5 MHz         | 1882.5 MHz | 1913.5 MHz |      |           |      |
| 3        | QPSK   | 1             | 0          | 18.8               | 18.9       | 18.8       | 0          | 19.8       | 20.5               | 20.5       | 20.5       | 0    | 21.7      |      |
|          |        | 1             | 8          | 19.0               | 19.1       | 19.0       | 0          | 19.8       | 20.6               | 20.7       | 20.6       | 0    | 21.7      |      |
|          |        | 1             | 14         | 18.8               | 19.0       | 18.8       | 0          | 19.8       | 20.5               | 20.5       | 20.5       | 0    | 21.7      |      |
|          |        | 8             | 0          | 18.9               | 19.0       | 18.9       | 0          | 19.8       | 20.5               | 20.6       | 20.5       | 0    | 21.7      |      |
|          |        | 8             | 4          | 18.9               | 19.1       | 18.9       | 0          | 19.8       | 20.5               | 20.7       | 20.5       | 0    | 21.7      |      |
|          |        | 8             | 7          | 18.9               | 19.1       | 18.9       | 0          | 19.8       | 20.5               | 20.7       | 20.5       | 0    | 21.7      |      |
|          | 16QAM  | 15            | 0          | 18.9               | 19.0       | 18.9       | 0          | 19.8       | 20.5               | 20.6       | 20.4       | 0    | 21.7      |      |
|          |        | 1             | 0          | 19.0               | 19.1       | 19.0       | 0          | 19.8       | 20.6               | 20.8       | 20.6       | 0    | 21.7      |      |
|          |        | 1             | 8          | 19.2               | 19.3       | 19.2       | 0          | 19.8       | 20.8               | 20.9       | 20.7       | 0    | 21.7      |      |
|          |        | 1             | 14         | 19.1               | 19.1       | 19.0       | 0          | 19.8       | 20.7               | 20.7       | 20.6       | 0    | 21.7      |      |
|          |        | 8             | 0          | 18.8               | 19.0       | 18.8       | 0          | 19.8       | 20.5               | 20.6       | 20.4       | 0.5  | 21.2      |      |
|          |        | 8             | 4          | 18.8               | 19.0       | 18.9       | 0          | 19.8       | 20.5               | 20.6       | 20.5       | 0.5  | 21.2      |      |
|          | 64QAM  | 8             | 7          | 18.8               | 19.0       | 18.9       | 0          | 19.8       | 20.5               | 20.6       | 20.5       | 0.5  | 21.2      |      |
|          |        | 15            | 0          | 18.8               | 18.9       | 18.8       | 0          | 19.8       | 20.4               | 20.5       | 20.4       | 0.5  | 21.2      |      |
|          |        | 1             | 0          | 18.9               | 19.1       | 19.0       | 0          | 19.8       | 20.0               | 20.1       | 20.0       | 0.5  | 21.2      |      |
|          |        | 1             | 8          | 19.1               | 19.2       | 19.1       | 0          | 19.8       | 20.2               | 20.3       | 20.2       | 0.5  | 21.2      |      |
|          |        | 1             | 14         | 19.0               | 19.0       | 19.0       | 0          | 19.8       | 20.1               | 20.1       | 20.0       | 0.5  | 21.2      |      |
|          |        | 8             | 0          | 18.8               | 19.0       | 18.8       | 0          | 19.8       | 19.4               | 19.6       | 19.5       | 1.5  | 20.2      |      |
|          | 256QAM | 8             | 4          | 18.8               | 19.1       | 18.9       | 0          | 19.8       | 19.5               | 19.6       | 19.5       | 1.5  | 20.2      |      |
|          |        | 8             | 7          | 18.8               | 19.0       | 18.9       | 0          | 19.8       | 19.4               | 19.6       | 19.5       | 1.5  | 20.2      |      |
|          |        | 15            | 0          | 18.8               | 19.0       | 18.8       | 0          | 19.8       | 19.4               | 19.6       | 19.5       | 1.5  | 20.2      |      |
|          |        | 1             | 0          | 16.7               | 16.9       | 16.8       | 1.6        | 18.2       | 17.0               | 17.1       | 17.0       | 3.5  | 18.2      |      |
|          |        | 1             | 8          | 16.9               | 17.1       | 17.0       | 1.6        | 18.2       | 17.1               | 17.3       | 17.2       | 3.5  | 18.2      |      |
|          |        | 1             | 14         | 16.8               | 16.9       | 16.8       | 1.6        | 18.2       | 17.0               | 17.0       | 17.0       | 3.5  | 18.2      |      |
| 1.4      | QPSK   | 8             | 0          | 17.2               | 17.4       | 17.2       | 1.6        | 18.2       | 17.4               | 17.6       | 17.5       | 3.5  | 18.2      |      |
|          |        | 8             | 4          | 17.2               | 17.4       | 17.3       | 1.6        | 18.2       | 17.5               | 17.6       | 17.5       | 3.5  | 18.2      |      |
|          |        | 8             | 7          | 17.2               | 17.4       | 17.2       | 1.6        | 18.2       | 17.5               | 17.6       | 17.5       | 3.5  | 18.2      |      |
|          |        | 15            | 0          | 17.2               | 17.3       | 17.2       | 1.6        | 18.2       | 17.4               | 17.6       | 17.5       | 3.5  | 18.2      |      |
|          |        | 26047         | 26365      | 26683              | MPR        | Max Power  | 26047      | 26365      | 26683              | MPR        | Max Power  |      |           |      |
|          |        | 1850.7 MHz    | 1882.5 MHz | 1914.3 MHz         |            |            | 1850.7 MHz | 1882.5 MHz | 1914.3 MHz         |            |            |      |           |      |
|          | 1.4    | QPSK          | 1          | 0                  | 18.8       | 18.9       | 19.0       | 0          | 19.8               | 20.3       | 20.5       | 20.4 | 0         | 21.7 |
|          |        |               | 1          | 3                  | 19.0       | 19.1       | 19.2       | 0          | 19.8               | 20.5       | 20.7       | 20.6 | 0         | 21.7 |
|          |        |               | 1          | 5                  | 18.8       | 18.9       | 18.9       | 0          | 19.8               | 20.3       | 20.5       | 20.4 | 0         | 21.7 |
|          |        |               | 3          | 0                  | 18.9       | 19.0       | 18.9       | 0          | 19.8               | 20.4       | 20.6       | 20.5 | 0         | 21.7 |
|          |        |               | 3          | 1                  | 18.9       | 19.0       | 19.0       | 0          | 19.8               | 20.5       | 20.6       | 20.4 | 0         | 21.7 |
|          |        |               | 3          | 3                  | 18.8       | 19.0       | 19.0       | 0          | 19.8               | 20.4       | 20.6       | 20.4 | 0         | 21.7 |
|          |        | 16QAM         | 6          | 0                  | 18.8       | 19.0       | 19.0       | 0          | 19.8               | 20.4       | 20.5       | 20.4 | 0         | 21.7 |
|          |        |               | 1          | 0                  | 18.9       | 19.2       | 19.1       | 0          | 19.8               | 20.6       | 20.7       | 20.6 | 0         | 21.7 |
|          |        |               | 1          | 3                  | 19.1       | 19.4       | 19.3       | 0          | 19.8               | 20.7       | 20.9       | 20.8 | 0         | 21.7 |
|          |        |               | 1          | 5                  | 18.9       | 19.2       | 19.1       | 0          | 19.8               | 20.6       | 20.7       | 20.6 | 0         | 21.7 |
|          |        |               | 3          | 0                  | 18.9       | 19.1       | 19.1       | 0          | 19.8               | 20.5       | 20.7       | 20.6 | 0         | 21.7 |
|          |        |               | 3          | 1                  | 18.9       | 19.1       | 19.2       | 0          | 19.8               | 20.6       | 20.7       | 20.6 | 0         | 21.7 |
|          |        | 64QAM         | 3          | 3                  | 18.9       | 19.1       | 19.2       | 0          | 19.8               | 20.6       | 20.7       | 20.6 | 0         | 21.7 |
|          |        |               | 6          | 0                  | 18.8       | 18.9       | 19.0       | 0          | 19.8               | 20.4       | 20.6       | 20.5 | 0.5       | 21.2 |
|          |        |               | 1          | 0                  | 18.9       | 19.0       | 19.0       | 0          | 19.8               | 19.9       | 20.2       | 19.9 | 0.5       | 21.2 |
|          |        |               | 1          | 3                  | 19.1       | 19.2       | 19.3       | 0          | 19.8               | 20.1       | 20.3       | 20.1 | 0.5       | 21.2 |
|          |        |               | 1          | 5                  | 18.8       | 19.0       | 19.1       | 0          | 19.8               | 19.9       | 20.1       | 19.9 | 0.5       | 21.2 |
|          |        |               | 3          | 0                  | 18.9       | 19.1       | 19.1       | 0          | 19.8               | 20.5       | 20.6       | 20.5 | 0.5       | 21.2 |
| 256QAM   |        | 3             | 1          | 19.0               | 19.1       | 19.1       | 0          | 19.8       | 20.5               | 20.7       | 20.5       | 0.5  | 21.2      |      |
|          |        | 3             | 3          | 19.0               | 19.1       | 19.1       | 0          | 19.8       | 20.5               | 20.7       | 20.5       | 0.5  | 21.2      |      |
|          |        | 6             | 0          | 18.8               | 19.0       | 18.9       | 0          | 19.8       | 19.4               | 19.5       | 19.4       | 1.5  | 20.2      |      |
|          |        | 1             | 0          | 16.6               | 16.8       | 16.8       | 1.6        | 18.2       | 16.9               | 17.0       | 17.0       | 3.5  | 18.2      |      |
|          |        | 1             | 3          | 16.9               | 17.1       | 17.0       | 1.6        | 18.2       | 17.1               | 17.2       | 17.1       | 3.5  | 18.2      |      |
|          |        | 1             | 5          | 16.7               | 16.9       | 16.8       | 1.6        | 18.2       | 16.9               | 17.0       | 16.8       | 3.5  | 18.2      |      |



**LTE Band 26 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |           |         |      |           | Mode B Power (dBm) |           |         |      |           |      |
|----------|--------|---------------|-----------|--------------------|-----------|---------|------|-----------|--------------------|-----------|---------|------|-----------|------|
|          |        |               |           | 26740              | 26865     | 26990   | MPR  | Max Power | 26740              | 26865     | 26990   | MPR  | Max Power |      |
|          |        |               |           | 819 MHz            | 831.5 MHz | 844 MHz |      |           | 819 MHz            | 831.5 MHz | 844 MHz |      |           |      |
| 10       | QPSK   | 1             | 0         | 25.1               | 25.1      | 25.0    | 0    | 25.7      | 25.1               | 25.1      | 25.0    | 0    | 25.7      |      |
|          |        | 1             | 25        | 25.1               | 25.1      | 25.0    | 0    | 25.7      | 25.1               | 25.1      | 25.0    | 0    | 25.7      |      |
|          |        | 1             | 49        | 25.0               | 24.9      | 25.0    | 0    | 25.7      | 25.0               | 24.9      | 25.0    | 0    | 25.7      |      |
|          |        | 25            | 0         | 24.3               | 24.3      | 24.3    | 1    | 24.7      | 24.3               | 24.3      | 24.3    | 1    | 24.7      |      |
|          |        | 25            | 12        | 24.3               | 24.4      | 24.3    | 1    | 24.7      | 24.3               | 24.4      | 24.3    | 1    | 24.7      |      |
|          |        | 25            | 25        | 24.3               | 24.4      | 24.3    | 1    | 24.7      | 24.3               | 24.4      | 24.3    | 1    | 24.7      |      |
|          | 16QAM  | 50            | 0         | 24.4               | 24.4      | 24.4    | 1    | 24.7      | 24.4               | 24.4      | 24.4    | 1    | 24.7      |      |
|          |        | 1             | 0         | 24.2               | 24.0      | 24.1    | 1    | 24.7      | 24.2               | 24.0      | 24.1    | 1    | 24.7      |      |
|          |        | 1             | 25        | 24.1               | 24.1      | 24.1    | 1    | 24.7      | 24.1               | 24.1      | 24.1    | 1    | 24.7      |      |
|          |        | 1             | 49        | 24.1               | 24.0      | 24.1    | 1    | 24.7      | 24.1               | 24.0      | 24.1    | 1    | 24.7      |      |
|          |        | 25            | 0         | 23.4               | 23.3      | 23.2    | 2    | 23.7      | 23.4               | 23.3      | 23.2    | 2    | 23.7      |      |
|          |        | 25            | 12        | 23.3               | 23.3      | 23.2    | 2    | 23.7      | 23.3               | 23.3      | 23.2    | 2    | 23.7      |      |
|          | 64QAM  | 25            | 25        | 23.3               | 23.3      | 23.3    | 2    | 23.7      | 23.3               | 23.3      | 23.3    | 2    | 23.7      |      |
|          |        | 50            | 0         | 23.3               | 23.3      | 23.3    | 2    | 23.7      | 23.3               | 23.3      | 23.3    | 2    | 23.7      |      |
|          |        | 1             | 0         | 23.1               | 23.1      | 23.0    | 2    | 23.7      | 23.1               | 23.1      | 23.0    | 2    | 23.7      |      |
|          |        | 1             | 25        | 23.0               | 23.0      | 22.9    | 2    | 23.7      | 23.0               | 23.0      | 22.9    | 2    | 23.7      |      |
|          |        | 1             | 49        | 23.0               | 23.0      | 23.0    | 2    | 23.7      | 23.0               | 23.0      | 23.0    | 2    | 23.7      |      |
|          |        | 25            | 0         | 22.4               | 22.4      | 22.2    | 3    | 22.7      | 22.4               | 22.4      | 22.2    | 3    | 22.7      |      |
|          | 256QAM | 25            | 12        | 22.3               | 22.4      | 22.2    | 3    | 22.7      | 22.3               | 22.4      | 22.2    | 3    | 22.7      |      |
|          |        | 25            | 25        | 22.3               | 22.4      | 22.3    | 3    | 22.7      | 22.3               | 22.4      | 22.3    | 3    | 22.7      |      |
|          |        | 50            | 0         | 22.4               | 22.4      | 22.3    | 3    | 22.7      | 22.4               | 22.4      | 22.3    | 3    | 22.7      |      |
|          |        | 1             | 0         | 20.1               | 20.1      | 20.0    | 5    | 20.7      | 20.1               | 20.1      | 20.0    | 5    | 20.7      |      |
|          |        | 1             | 25        | 19.9               | 20.0      | 19.9    | 5    | 20.7      | 19.9               | 20.0      | 19.9    | 5    | 20.7      |      |
|          |        | 1             | 49        | 20.0               | 20.0      | 20.0    | 5    | 20.7      | 20.0               | 20.0      | 20.0    | 5    | 20.7      |      |
|          | 5      | QPSK          | 25        | 0                  | 20.4      | 20.3    | 20.2 | 5         | 20.7               | 20.4      | 20.3    | 20.2 | 5         | 20.7 |
|          |        |               | 25        | 25                 | 20.3      | 20.4    | 20.3 | 5         | 20.7               | 20.3      | 20.4    | 20.3 | 5         | 20.7 |
|          |        |               | 50        | 0                  | 20.4      | 20.4    | 20.3 | 5         | 20.7               | 20.4      | 20.4    | 20.3 | 5         | 20.7 |
|          |        |               | 1         | 0                  | 24.9      | 24.9    | 24.9 | 0         | 25.7               | 24.9      | 24.9    | 24.9 | 0         | 25.7 |
| 1        |        |               | 12        | 24.9               | 24.9      | 24.9    | 0    | 25.7      | 24.9               | 24.9      | 24.9    | 0    | 25.7      |      |
| 1        |        |               | 24        | 25.0               | 24.9      | 24.9    | 0    | 25.7      | 25.0               | 24.9      | 24.9    | 0    | 25.7      |      |
| 16QAM    | 12     | 0             | 24.4      | 24.4               | 24.4      | 1       | 24.7 | 24.4      | 24.4               | 24.4      | 1       | 24.7 |           |      |
|          | 12     | 7             | 24.5      | 24.4               | 24.4      | 1       | 24.7 | 24.5      | 24.4               | 24.4      | 1       | 24.7 |           |      |
|          | 12     | 13            | 24.5      | 24.4               | 24.4      | 1       | 24.7 | 24.5      | 24.4               | 24.4      | 1       | 24.7 |           |      |
|          | 25     | 0             | 24.5      | 24.4               | 24.4      | 1       | 24.7 | 24.5      | 24.4               | 24.4      | 1       | 24.7 |           |      |
|          | 1      | 0             | 24.3      | 24.3               | 24.4      | 1       | 24.7 | 24.3      | 24.3               | 24.4      | 1       | 24.7 |           |      |
|          | 1      | 12            | 24.3      | 24.2               | 24.3      | 1       | 24.7 | 24.3      | 24.2               | 24.3      | 1       | 24.7 |           |      |
| 64QAM    | 1      | 24            | 24.3      | 24.3               | 24.3      | 1       | 24.7 | 24.3      | 24.3               | 24.3      | 1       | 24.7 |           |      |
|          | 12     | 0             | 23.4      | 23.3               | 23.4      | 2       | 23.7 | 23.4      | 23.3               | 23.4      | 2       | 23.7 |           |      |
|          | 12     | 7             | 23.4      | 23.4               | 23.3      | 2       | 23.7 | 23.4      | 23.4               | 23.3      | 2       | 23.7 |           |      |
|          | 12     | 13            | 23.4      | 23.4               | 23.4      | 2       | 23.7 | 23.4      | 23.4               | 23.4      | 2       | 23.7 |           |      |
|          | 25     | 0             | 23.4      | 23.3               | 23.3      | 2       | 23.7 | 23.4      | 23.3               | 23.3      | 2       | 23.7 |           |      |
|          | 1      | 0             | 23.1      | 23.1               | 23.1      | 2       | 23.7 | 23.1      | 23.1               | 23.1      | 2       | 23.7 |           |      |
| 256QAM   | 1      | 12            | 23.1      | 23.1               | 23.0      | 2       | 23.7 | 23.1      | 23.1               | 23.0      | 2       | 23.7 |           |      |
|          | 1      | 24            | 23.1      | 23.1               | 23.0      | 2       | 23.7 | 23.1      | 23.1               | 23.0      | 2       | 23.7 |           |      |
|          | 12     | 0             | 22.4      | 22.4               | 22.4      | 3       | 22.7 | 22.4      | 22.4               | 22.4      | 3       | 22.7 |           |      |
|          | 12     | 7             | 22.4      | 22.4               | 22.4      | 3       | 22.7 | 22.4      | 22.4               | 22.4      | 3       | 22.7 |           |      |
|          | 12     | 13            | 22.4      | 22.4               | 22.4      | 3       | 22.7 | 22.4      | 22.4               | 22.4      | 3       | 22.7 |           |      |
|          | 25     | 0             | 22.4      | 22.4               | 22.3      | 3       | 22.7 | 22.4      | 22.4               | 22.3      | 3       | 22.7 |           |      |
| 5        | 256QAM | 1             | 0         | 20.1               | 20.0      | 20.1    | 5    | 20.7      | 20.1               | 20.0      | 20.1    | 5    | 20.7      |      |
|          |        | 1             | 12        | 20.1               | 20.0      | 20.0    | 5    | 20.7      | 20.1               | 20.0      | 20.0    | 5    | 20.7      |      |
|          |        | 1             | 24        | 20.0               | 20.0      | 20.0    | 5    | 20.7      | 20.0               | 20.0      | 20.0    | 5    | 20.7      |      |
|          |        | 12            | 0         | 20.4               | 20.3      | 20.3    | 5    | 20.7      | 20.4               | 20.3      | 20.3    | 5    | 20.7      |      |
|          |        | 12            | 7         | 20.4               | 20.4      | 20.3    | 5    | 20.7      | 20.4               | 20.4      | 20.3    | 5    | 20.7      |      |
|          |        | 12            | 13        | 20.4               | 20.3      | 20.4    | 5    | 20.7      | 20.4               | 20.3      | 20.4    | 5    | 20.7      |      |

**LTE Band 26 Measured Results (ANT1, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |           |           |      |           | Mode B Power (dBm) |           |           |      |           |
|----------|--------|---------------|-----------|--------------------|-----------|-----------|------|-----------|--------------------|-----------|-----------|------|-----------|
|          |        |               |           | 26705              | 26865     | 27025     | MPR  | Max Power | 26705              | 26865     | 27025     | MPR  | Max Power |
|          |        |               |           | 815.5 MHz          | 831.5 MHz | 847.5 MHz |      |           | 815.5 MHz          | 831.5 MHz | 847.5 MHz |      |           |
| 3        | QPSK   | 1             | 0         | 24.8               | 24.7      | 24.7      | 0    | 25.7      | 24.8               | 24.7      | 24.7      | 0    | 25.7      |
|          |        | 1             | 8         | 25.0               | 24.9      | 24.9      | 0    | 25.7      | 25.0               | 24.9      | 24.9      | 0    | 25.7      |
|          |        | 1             | 14        | 24.8               | 24.7      | 24.6      | 0    | 25.7      | 24.8               | 24.7      | 24.6      | 0    | 25.7      |
|          |        | 8             | 0         | 24.3               | 24.3      | 24.3      | 1    | 24.7      | 24.3               | 24.3      | 24.3      | 1    | 24.7      |
|          |        | 8             | 4         | 24.4               | 24.4      | 24.3      | 1    | 24.7      | 24.4               | 24.4      | 24.3      | 1    | 24.7      |
|          |        | 8             | 7         | 24.4               | 24.4      | 24.3      | 1    | 24.7      | 24.4               | 24.4      | 24.3      | 1    | 24.7      |
|          | 16QAM  | 15            | 0         | 24.3               | 24.3      | 24.3      | 1    | 24.7      | 24.3               | 24.3      | 24.3      | 1    | 24.7      |
|          |        | 1             | 0         | 24.0               | 24.0      | 24.0      | 1    | 24.7      | 24.0               | 24.0      | 24.0      | 1    | 24.7      |
|          |        | 1             | 8         | 24.2               | 24.2      | 24.3      | 1    | 24.7      | 24.2               | 24.2      | 24.3      | 1    | 24.7      |
|          |        | 1             | 14        | 24.1               | 24.0      | 23.9      | 1    | 24.7      | 24.1               | 24.0      | 23.9      | 1    | 24.7      |
|          |        | 8             | 0         | 23.3               | 23.2      | 23.3      | 2    | 23.7      | 23.3               | 23.2      | 23.3      | 2    | 23.7      |
|          |        | 8             | 4         | 23.4               | 23.3      | 23.3      | 2    | 23.7      | 23.4               | 23.3      | 23.3      | 2    | 23.7      |
|          | 64QAM  | 8             | 7         | 23.4               | 23.3      | 23.3      | 2    | 23.7      | 23.4               | 23.3      | 23.3      | 2    | 23.7      |
|          |        | 15            | 0         | 23.3               | 23.2      | 23.2      | 2    | 23.7      | 23.3               | 23.2      | 23.2      | 2    | 23.7      |
|          |        | 1             | 0         | 22.8               | 22.8      | 22.9      | 2    | 23.7      | 22.8               | 22.8      | 22.9      | 2    | 23.7      |
|          |        | 1             | 8         | 23.0               | 23.0      | 23.2      | 2    | 23.7      | 23.0               | 23.0      | 23.2      | 2    | 23.7      |
|          |        | 1             | 14        | 22.9               | 22.9      | 22.9      | 2    | 23.7      | 22.9               | 22.9      | 22.9      | 2    | 23.7      |
|          |        | 8             | 0         | 22.3               | 22.3      | 22.3      | 3    | 22.7      | 22.3               | 22.3      | 22.3      | 3    | 22.7      |
|          | 256QAM | 8             | 4         | 22.3               | 22.4      | 22.4      | 3    | 22.7      | 22.3               | 22.4      | 22.4      | 3    | 22.7      |
|          |        | 8             | 7         | 22.3               | 22.4      | 22.4      | 3    | 22.7      | 22.3               | 22.4      | 22.4      | 3    | 22.7      |
|          |        | 15            | 0         | 22.2               | 22.3      | 22.3      | 3    | 22.7      | 22.2               | 22.3      | 22.3      | 3    | 22.7      |
|          |        | 1             | 0         | 19.8               | 19.8      | 19.9      | 5    | 20.7      | 19.8               | 19.8      | 19.9      | 5    | 20.7      |
|          |        | 1             | 8         | 20.1               | 20.0      | 20.1      | 5    | 20.7      | 20.1               | 20.0      | 20.1      | 5    | 20.7      |
|          |        | 1             | 14        | 19.9               | 19.8      | 19.9      | 5    | 20.7      | 19.9               | 19.8      | 19.9      | 5    | 20.7      |
| 1.4      | QPSK   | 8             | 0         | 20.3               | 20.3      | 20.3      | 5    | 20.7      | 20.3               | 20.3      | 20.3      | 5    | 20.7      |
|          |        | 8             | 4         | 20.3               | 20.3      | 20.4      | 5    | 20.7      | 20.3               | 20.3      | 20.4      | 5    | 20.7      |
|          |        | 8             | 7         | 20.3               | 20.3      | 20.3      | 5    | 20.7      | 20.3               | 20.3      | 20.3      | 5    | 20.7      |
|          |        | 15            | 0         | 20.2               | 20.3      | 20.3      | 5    | 20.7      | 20.2               | 20.3      | 20.3      | 5    | 20.7      |
|          |        | 1             | 0         | 24.7               | 24.7      | 24.7      | 0    | 25.7      | 24.7               | 24.7      | 24.7      | 0    | 25.7      |
|          |        | 1             | 3         | 24.9               | 24.9      | 24.8      | 0    | 25.7      | 24.9               | 24.9      | 24.8      | 0    | 25.7      |
|          | 16QAM  | 1             | 5         | 24.7               | 24.7      | 24.6      | 0    | 25.7      | 24.7               | 24.7      | 24.6      | 0    | 25.7      |
|          |        | 3             | 0         | 25.2               | 25.2      | 25.2      | 0    | 25.7      | 25.2               | 25.2      | 25.2      | 0    | 25.7      |
|          |        | 3             | 1         | 25.3               | 25.3      | 25.3      | 0    | 25.7      | 25.3               | 25.3      | 25.3      | 0    | 25.7      |
|          |        | 3             | 3         | 25.3               | 25.3      | 25.3      | 0    | 25.7      | 25.3               | 25.3      | 25.3      | 0    | 25.7      |
|          |        | 6             | 0         | 24.3               | 24.3      | 24.2      | 1    | 24.7      | 24.3               | 24.3      | 24.2      | 1    | 24.7      |
|          |        | 1             | 0         | 23.9               | 24.0      | 23.9      | 1    | 24.7      | 23.9               | 24.0      | 23.9      | 1    | 24.7      |
| 64QAM    | 1      | 3             | 24.1      | 24.2               | 24.1      | 1         | 24.7 | 24.1      | 24.2               | 24.1      | 1         | 24.7 |           |
|          | 1      | 5             | 24.0      | 24.0               | 23.9      | 1         | 24.7 | 24.0      | 24.0               | 23.9      | 1         | 24.7 |           |
|          | 3      | 0             | 24.4      | 24.4               | 24.3      | 1         | 24.7 | 24.4      | 24.4               | 24.3      | 1         | 24.7 |           |
|          | 3      | 1             | 24.5      | 24.5               | 24.4      | 1         | 24.7 | 24.5      | 24.5               | 24.4      | 1         | 24.7 |           |
|          | 3      | 3             | 24.5      | 24.4               | 24.4      | 1         | 24.7 | 24.5      | 24.4               | 24.4      | 1         | 24.7 |           |
|          | 6      | 0             | 23.3      | 23.3               | 23.3      | 2         | 23.7 | 23.3      | 23.3               | 23.3      | 2         | 23.7 |           |
| 256QAM   | 1      | 0             | 22.8      | 22.8               | 22.8      | 2         | 23.7 | 22.8      | 22.8               | 22.8      | 2         | 23.7 |           |
|          | 1      | 3             | 23.0      | 23.1               | 23.0      | 2         | 23.7 | 23.0      | 23.1               | 23.0      | 2         | 23.7 |           |
|          | 1      | 5             | 22.9      | 22.9               | 22.7      | 2         | 23.7 | 22.9      | 22.9               | 22.7      | 2         | 23.7 |           |
|          | 3      | 0             | 23.4      | 23.4               | 23.4      | 2         | 23.7 | 23.4      | 23.4               | 23.4      | 2         | 23.7 |           |
|          | 3      | 1             | 23.4      | 23.4               | 23.4      | 2         | 23.7 | 23.4      | 23.4               | 23.4      | 2         | 23.7 |           |
|          | 3      | 3             | 23.5      | 23.4               | 23.4      | 2         | 23.7 | 23.5      | 23.4               | 23.4      | 2         | 23.7 |           |
| QPSK     | 6      | 0             | 22.3      | 22.3               | 22.2      | 3         | 22.7 | 22.3      | 22.3               | 22.2      | 3         | 22.7 |           |
|          | 1      | 0             | 19.8      | 19.8               | 19.8      | 5         | 20.7 | 19.8      | 19.8               | 19.8      | 5         | 20.7 |           |
|          | 1      | 3             | 20.0      | 20.0               | 19.9      | 5         | 20.7 | 20.0      | 20.0               | 19.9      | 5         | 20.7 |           |
|          | 1      | 5             | 19.8      | 19.8               | 19.7      | 5         | 20.7 | 19.8      | 19.8               | 19.7      | 5         | 20.7 |           |
|          | 3      | 0             | 20.3      | 20.3               | 20.3      | 5         | 20.7 | 20.3      | 20.3               | 20.3      | 5         | 20.7 |           |
|          | 3      | 1             | 20.4      | 20.4               | 20.3      | 5         | 20.7 | 20.4      | 20.4               | 20.3      | 5         | 20.7 |           |
| 16QAM    | 3      | 3             | 20.4      | 20.4               | 20.3      | 5         | 20.7 | 20.4      | 20.4               | 20.3      | 5         | 20.7 |           |
|          | 6      | 0             | 20.3      | 20.3               | 20.2      | 5         | 20.7 | 20.3      | 20.3               | 20.2      | 5         | 20.7 |           |

**LTE Band 26 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |           |         |      |           | Mode B Power (dBm) |           |         |      |           |      |
|----------|--------|---------------|-----------|--------------------|-----------|---------|------|-----------|--------------------|-----------|---------|------|-----------|------|
|          |        |               |           | 26740              | 26865     | 26990   | MPR  | Max Power | 26740              | 26865     | 26990   | MPR  | Max Power |      |
|          |        |               |           | 819 MHz            | 831.5 MHz | 844 MHz |      |           | 819 MHz            | 831.5 MHz | 844 MHz |      |           |      |
| 10       | QPSK   | 1             | 0         | 22.8               | 22.8      | 22.8    | 0    | 23.5      | 23.6               | 23.6      | 23.5    | 0    | 24.7      |      |
|          |        | 1             | 25        | 22.8               | 22.8      | 22.8    | 0    | 23.5      | 23.6               | 23.7      | 23.5    | 0    | 24.7      |      |
|          |        | 1             | 49        | 22.9               | 22.8      | 22.7    | 0    | 23.5      | 23.7               | 23.5      | 23.5    | 0    | 24.7      |      |
|          |        | 25            | 0         | 22.9               | 22.8      | 22.7    | 0    | 23.5      | 23.2               | 23.1      | 23.0    | 1    | 23.7      |      |
|          |        | 25            | 12        | 22.8               | 22.8      | 22.6    | 0    | 23.5      | 23.2               | 23.0      | 22.9    | 1    | 23.7      |      |
|          |        | 25            | 25        | 22.8               | 22.8      | 22.7    | 0    | 23.5      | 23.2               | 23.1      | 23.0    | 1    | 23.7      |      |
|          | 16QAM  | 50            | 0         | 22.9               | 22.8      | 22.7    | 0    | 23.5      | 23.2               | 23.1      | 23.0    | 1    | 23.7      |      |
|          |        | 1             | 0         | 22.8               | 22.8      | 22.8    | 0    | 23.5      | 22.9               | 22.8      | 22.8    | 1    | 23.7      |      |
|          |        | 1             | 25        | 22.9               | 22.9      | 22.7    | 0    | 23.5      | 22.9               | 22.9      | 22.7    | 1    | 23.7      |      |
|          |        | 1             | 49        | 22.9               | 22.8      | 22.8    | 0    | 23.5      | 22.9               | 22.8      | 22.8    | 1    | 23.7      |      |
|          |        | 25            | 0         | 22.1               | 22.0      | 22.0    | 0.8  | 22.7      | 22.1               | 22.0      | 22.0    | 2    | 22.7      |      |
|          |        | 25            | 12        | 22.1               | 22.0      | 21.9    | 0.8  | 22.7      | 22.1               | 22.0      | 21.9    | 2    | 22.7      |      |
|          | 64QAM  | 25            | 25        | 22.1               | 22.0      | 22.0    | 0.8  | 22.7      | 22.1               | 22.0      | 21.9    | 2    | 22.7      |      |
|          |        | 50            | 0         | 22.1               | 22.0      | 21.9    | 0.8  | 22.7      | 22.1               | 22.0      | 21.9    | 2    | 22.7      |      |
|          |        | 1             | 0         | 21.8               | 21.8      | 21.7    | 0.8  | 22.7      | 21.8               | 21.8      | 21.8    | 2    | 22.7      |      |
|          |        | 1             | 25        | 21.8               | 21.8      | 21.7    | 0.8  | 22.7      | 21.8               | 21.8      | 21.7    | 2    | 22.7      |      |
|          |        | 1             | 49        | 21.8               | 21.8      | 21.7    | 0.8  | 22.7      | 21.8               | 21.7      | 21.6    | 2    | 22.7      |      |
|          |        | 25            | 0         | 21.1               | 21.1      | 21.0    | 1.8  | 21.7      | 21.2               | 21.1      | 21.0    | 3    | 21.7      |      |
|          | 256QAM | 25            | 12        | 21.1               | 21.0      | 20.9    | 1.8  | 21.7      | 21.1               | 21.0      | 20.9    | 3    | 21.7      |      |
|          |        | 25            | 25        | 21.1               | 21.0      | 21.0    | 1.8  | 21.7      | 21.1               | 21.1      | 21.0    | 3    | 21.7      |      |
|          |        | 50            | 0         | 21.1               | 21.1      | 21.0    | 1.8  | 21.7      | 21.1               | 21.1      | 21.0    | 3    | 21.7      |      |
|          |        | 1             | 0         | 18.7               | 18.7      | 18.7    | 3.8  | 19.7      | 18.7               | 18.7      | 18.7    | 5    | 19.7      |      |
|          |        | 1             | 25        | 18.8               | 18.7      | 18.7    | 3.8  | 19.7      | 18.7               | 18.8      | 18.6    | 5    | 19.7      |      |
|          |        | 1             | 49        | 18.8               | 18.7      | 18.8    | 3.8  | 19.7      | 18.7               | 18.7      | 18.7    | 5    | 19.7      |      |
| 5        | QPSK   | 25            | 0         | 19.1               | 19.0      | 19.0    | 3.8  | 19.7      | 19.1               | 19.0      | 19.0    | 5    | 19.7      |      |
|          |        | 25            | 12        | 19.1               | 19.0      | 19.0    | 3.8  | 19.7      | 19.1               | 19.0      | 18.9    | 5    | 19.7      |      |
|          |        | 25            | 25        | 19.1               | 19.0      | 19.0    | 3.8  | 19.7      | 19.1               | 19.1      | 18.9    | 5    | 19.7      |      |
|          |        | 50            | 0         | 19.1               | 19.1      | 19.0    | 3.8  | 19.7      | 19.1               | 19.1      | 19.0    | 5    | 19.7      |      |
|          |        | 16QAM         | 1         | 0                  | 22.6      | 22.6    | 22.5 | 0         | 23.5               | 23.6      | 23.6    | 23.6 | 0         | 24.7 |
|          |        |               | 1         | 12                 | 22.7      | 22.6    | 22.5 | 0         | 23.5               | 23.7      | 23.6    | 23.6 | 0         | 24.7 |
|          | 1      |               | 24        | 22.7               | 22.6      | 22.5    | 0    | 23.5      | 23.7               | 23.6      | 23.6    | 0    | 24.7      |      |
|          | 12     |               | 0         | 22.6               | 22.6      | 22.5    | 0    | 23.5      | 23.1               | 23.1      | 23.0    | 1    | 23.7      |      |
|          | 12     |               | 7         | 22.7               | 22.6      | 22.5    | 0    | 23.5      | 23.2               | 23.1      | 23.0    | 1    | 23.7      |      |
|          | 12     |               | 13        | 22.7               | 22.6      | 22.5    | 0    | 23.5      | 23.2               | 23.1      | 23.0    | 1    | 23.7      |      |
|          | 64QAM  | 25            | 0         | 22.7               | 22.6      | 22.5    | 0    | 23.5      | 23.2               | 23.1      | 23.0    | 1    | 23.7      |      |
|          |        | 1             | 0         | 22.9               | 23.0      | 23.0    | 0    | 23.5      | 22.9               | 23.0      | 22.8    | 1    | 23.7      |      |
|          |        | 1             | 12        | 23.0               | 23.0      | 23.0    | 0    | 23.5      | 22.9               | 23.0      | 22.8    | 1    | 23.7      |      |
|          |        | 1             | 24        | 22.9               | 23.0      | 22.9    | 0    | 23.5      | 22.9               | 23.0      | 22.8    | 1    | 23.7      |      |
|          |        | 12            | 0         | 22.1               | 22.1      | 22.0    | 0.8  | 22.7      | 22.0               | 22.1      | 22.0    | 2    | 22.7      |      |
|          |        | 12            | 7         | 22.1               | 22.1      | 22.0    | 0.8  | 22.7      | 22.2               | 22.1      | 22.0    | 2    | 22.7      |      |
|          | 256QAM | 12            | 13        | 22.1               | 22.0      | 22.0    | 0.8  | 22.7      | 22.2               | 22.1      | 22.0    | 2    | 22.7      |      |
|          |        | 25            | 0         | 22.1               | 22.0      | 22.0    | 0.8  | 22.7      | 22.2               | 22.1      | 21.9    | 2    | 22.7      |      |
|          |        | 1             | 0         | 21.8               | 21.8      | 21.8    | 0.8  | 22.7      | 21.8               | 21.8      | 21.8    | 2    | 22.7      |      |
|          |        | 1             | 12        | 21.9               | 21.8      | 21.7    | 0.8  | 22.7      | 21.8               | 21.8      | 21.8    | 2    | 22.7      |      |
|          |        | 1             | 24        | 21.8               | 21.8      | 21.7    | 0.8  | 22.7      | 21.9               | 21.9      | 21.8    | 2    | 22.7      |      |
|          |        | 12            | 0         | 21.0               | 21.1      | 21.0    | 1.8  | 21.7      | 21.1               | 21.1      | 21.0    | 3    | 21.7      |      |
|          | 16QAM  | 12            | 7         | 21.1               | 21.1      | 21.0    | 1.8  | 21.7      | 21.2               | 21.1      | 21.0    | 3    | 21.7      |      |
|          |        | 12            | 13        | 21.1               | 21.1      | 21.1    | 1.8  | 21.7      | 21.1               | 21.1      | 21.0    | 3    | 21.7      |      |
| 25       |        | 0             | 21.1      | 21.1               | 21.0      | 1.8     | 21.7 | 21.2      | 21.1               | 21.0      | 3       | 21.7 |           |      |
| 1        |        | 0             | 18.7      | 18.7               | 18.7      | 3.8     | 19.7 | 18.7      | 18.7               | 18.7      | 5       | 19.7 |           |      |
| 1        |        | 12            | 18.8      | 18.7               | 18.7      | 3.8     | 19.7 | 18.8      | 18.8               | 18.7      | 5       | 19.7 |           |      |
| 1        |        | 24            | 18.8      | 18.7               | 18.7      | 3.8     | 19.7 | 18.8      | 18.8               | 18.7      | 5       | 19.7 |           |      |
| 256QAM   | 12     | 0             | 19.0      | 19.0               | 19.0      | 3.8     | 19.7 | 19.1      | 19.1               | 19.0      | 5       | 19.7 |           |      |
|          | 12     | 7             | 19.1      | 19.0               | 19.0      | 3.8     | 19.7 | 19.2      | 19.1               | 19.0      | 5       | 19.7 |           |      |
|          | 12     | 13            | 19.1      | 19.0               | 19.0      | 3.8     | 19.7 | 19.1      | 19.0               | 19.1      | 5       | 19.7 |           |      |
|          | 25     | 0             | 19.1      | 19.1               | 19.0      | 3.8     | 19.7 | 19.2      | 19.0               | 19.0      | 5       | 19.7 |           |      |
|          | 16QAM  | 1             | 0         | 22.6               | 22.6      | 22.5    | 0    | 23.5      | 23.6               | 23.6      | 23.6    | 0    | 24.7      |      |
|          |        | 1             | 12        | 22.7               | 22.6      | 22.5    | 0    | 23.5      | 23.7               | 23.6      | 23.6    | 0    | 24.7      |      |
| 1        |        | 24            | 22.7      | 22.6               | 22.5      | 0       | 23.5 | 23.7      | 23.6               | 23.6      | 0       | 24.7 |           |      |
| 12       |        | 0             | 22.6      | 22.6               | 22.5      | 0       | 23.5 | 23.1      | 23.1               | 23.0      | 1       | 23.7 |           |      |
| 12       |        | 7             | 22.7      | 22.6               | 22.5      | 0       | 23.5 | 23.2      | 23.1               | 23.0      | 1       | 23.7 |           |      |
| 12       |        | 13            | 22.7      | 22.6               | 22.5      | 0       | 23.5 | 23.2      | 23.1               | 23.0      | 1       | 23.7 |           |      |
| 256QAM   | 25     | 0             | 22.7      | 22.6               | 22.5      | 0       | 23.5 | 23.2      | 23.1               | 23.0      | 1       | 23.7 |           |      |
|          | 1      | 0             | 22.9      | 23.0               | 23.0      | 0       | 23.5 | 22.9      | 23.0               | 22.8      | 1       | 23.7 |           |      |
|          | 1      | 12            | 23.0      | 23.0               | 23.0      | 0       | 23.5 | 22.9      | 23.0               | 22.8      | 1       | 23.7 |           |      |
|          | 1      | 24            | 22.9      | 23.0               | 22.9      | 0       | 23.5 | 22.9      | 23.0               | 22.8      | 1       | 23.7 |           |      |
|          | 12     | 0             | 22.1      | 22.1               | 22.0      | 0.8     | 22.7 | 22.0      | 22.1               | 22.0      | 2       | 22.7 |           |      |
|          | 12     | 7             | 22.1      | 22.1               | 22.0      | 0.8     | 22.7 | 22.2      | 22.1               | 22.0      | 2       | 22.7 |           |      |

**LTE Band 26 Measured Results (ANT2, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |           |           |           |           | Mode B Power (dBm) |           |           |      |           |      |
|----------|--------|---------------|-----------|--------------------|-----------|-----------|-----------|-----------|--------------------|-----------|-----------|------|-----------|------|
|          |        |               |           | 26705              | 26865     | 27025     | MPR       | Max Power | 26705              | 26865     | 27025     | MPR  | Max Power |      |
|          |        |               |           | 815.5 MHz          | 831.5 MHz | 847.5 MHz |           |           | 815.5 MHz          | 831.5 MHz | 847.5 MHz |      |           |      |
| 3        | QPSK   | 1             | 0         | 22.4               | 22.5      | 22.4      | 0         | 23.5      | 23.5               | 23.4      | 23.3      | 0    | 24.7      |      |
|          |        | 1             | 8         | 22.6               | 22.6      | 22.6      | 0         | 23.5      | 23.7               | 23.6      | 23.6      | 0    | 24.7      |      |
|          |        | 1             | 14        | 22.5               | 22.5      | 22.4      | 0         | 23.5      | 23.5               | 23.4      | 23.4      | 0    | 24.7      |      |
|          |        | 8             | 0         | 22.5               | 22.5      | 22.5      | 0         | 23.5      | 23.0               | 23.0      | 23.0      | 1    | 23.7      |      |
|          |        | 8             | 4         | 22.5               | 22.6      | 22.5      | 0         | 23.5      | 23.1               | 23.0      | 23.0      | 1    | 23.7      |      |
|          |        | 8             | 7         | 22.5               | 22.5      | 22.5      | 0         | 23.5      | 23.1               | 23.0      | 23.0      | 1    | 23.7      |      |
|          | 16QAM  | 15            | 0         | 22.5               | 22.5      | 22.5      | 0         | 23.5      | 23.0               | 23.0      | 23.0      | 1    | 23.7      |      |
|          |        | 1             | 0         | 22.6               | 22.7      | 22.6      | 0         | 23.5      | 22.7               | 22.7      | 22.7      | 1    | 23.7      |      |
|          |        | 1             | 8         | 22.9               | 22.9      | 22.8      | 0         | 23.5      | 22.9               | 22.9      | 22.9      | 1    | 23.7      |      |
|          |        | 1             | 14        | 22.8               | 22.6      | 22.6      | 0         | 23.5      | 22.9               | 22.7      | 22.6      | 1    | 23.7      |      |
|          |        | 8             | 0         | 22.0               | 21.9      | 22.0      | 0.8       | 22.7      | 21.9               | 22.0      | 21.9      | 2    | 22.7      |      |
|          |        | 8             | 4         | 22.0               | 22.1      | 22.0      | 0.8       | 22.7      | 22.0               | 22.0      | 22.0      | 2    | 22.7      |      |
|          | 64QAM  | 8             | 7         | 22.0               | 22.0      | 22.0      | 0.8       | 22.7      | 22.1               | 22.0      | 22.0      | 2    | 22.7      |      |
|          |        | 15            | 0         | 21.9               | 22.0      | 21.9      | 0.8       | 22.7      | 22.0               | 22.0      | 21.9      | 2    | 22.7      |      |
|          |        | 1             | 0         | 21.6               | 21.6      | 21.6      | 0.8       | 22.7      | 21.5               | 21.7      | 21.4      | 2    | 22.7      |      |
|          |        | 1             | 8         | 21.8               | 21.7      | 21.7      | 0.8       | 22.7      | 21.7               | 21.8      | 21.7      | 2    | 22.7      |      |
|          |        | 1             | 14        | 21.7               | 21.6      | 21.5      | 0.8       | 22.7      | 21.6               | 21.6      | 21.5      | 2    | 22.7      |      |
|          |        | 8             | 0         | 21.0               | 21.0      | 21.0      | 1.8       | 21.7      | 21.0               | 20.9      | 21.0      | 3    | 21.7      |      |
|          | 256QAM | 8             | 4         | 21.1               | 21.0      | 21.0      | 1.8       | 21.7      | 21.0               | 21.0      | 21.0      | 3    | 21.7      |      |
|          |        | 8             | 7         | 21.1               | 21.0      | 21.0      | 1.8       | 21.7      | 21.0               | 21.0      | 21.0      | 3    | 21.7      |      |
|          |        | 15            | 0         | 21.0               | 21.0      | 21.0      | 1.8       | 21.7      | 21.0               | 21.0      | 21.0      | 3    | 21.7      |      |
|          |        | 1             | 0         | 18.5               | 18.6      | 18.5      | 3.8       | 19.7      | 18.5               | 18.6      | 18.5      | 5    | 19.7      |      |
|          |        | 1             | 8         | 18.7               | 18.7      | 18.8      | 3.8       | 19.7      | 18.7               | 18.7      | 18.7      | 5    | 19.7      |      |
|          |        | 1             | 14        | 18.7               | 18.6      | 18.5      | 3.8       | 19.7      | 18.6               | 18.6      | 18.5      | 5    | 19.7      |      |
| 1.4      | QPSK   | 8             | 0         | 19.0               | 19.0      | 19.0      | 3.8       | 19.7      | 19.0               | 19.0      | 19.0      | 5    | 19.7      |      |
|          |        | 8             | 4         | 19.1               | 19.0      | 19.0      | 3.8       | 19.7      | 19.0               | 19.0      | 19.0      | 5    | 19.7      |      |
|          |        | 8             | 7         | 19.1               | 19.0      | 19.0      | 3.8       | 19.7      | 19.0               | 19.0      | 19.0      | 5    | 19.7      |      |
|          |        | 15            | 0         | 19.0               | 19.0      | 18.9      | 3.8       | 19.7      | 19.0               | 18.9      | 19.0      | 5    | 19.7      |      |
|          |        | 26697         | 26865     | 27033              | MPR       | Max Power | 26697     | 26865     | 27033              | MPR       | Max Power |      |           |      |
|          |        | 814.7 MHz     | 831.5 MHz | 848.3 MHz          |           |           | 814.7 MHz | 831.5 MHz | 848.3 MHz          |           |           |      |           |      |
|          | 1.4    | QPSK          | 1         | 0                  | 22.4      | 22.4      | 22.4      | 0         | 23.5               | 23.4      | 23.3      | 23.3 | 0         | 24.7 |
|          |        |               | 1         | 3                  | 22.6      | 22.6      | 22.5      | 0         | 23.5               | 23.6      | 23.5      | 23.5 | 0         | 24.7 |
|          |        |               | 1         | 5                  | 22.4      | 22.4      | 22.3      | 0         | 23.5               | 23.4      | 23.3      | 23.3 | 0         | 24.7 |
|          |        |               | 3         | 0                  | 22.5      | 22.4      | 22.4      | 0         | 23.5               | 24.0      | 23.9      | 23.9 | 0         | 24.7 |
|          |        |               | 3         | 1                  | 22.5      | 22.5      | 22.4      | 0         | 23.5               | 24.0      | 23.9      | 24.0 | 0         | 24.7 |
|          |        |               | 3         | 3                  | 22.5      | 22.5      | 22.4      | 0         | 23.5               | 24.1      | 24.0      | 24.0 | 0         | 24.7 |
|          |        | 16QAM         | 6         | 0                  | 22.5      | 22.5      | 22.4      | 0         | 23.5               | 23.0      | 22.9      | 22.9 | 1         | 23.7 |
|          |        |               | 1         | 0                  | 22.7      | 22.6      | 22.5      | 0         | 23.5               | 22.8      | 22.6      | 22.6 | 1         | 23.7 |
|          |        |               | 1         | 3                  | 22.9      | 22.8      | 22.7      | 0         | 23.5               | 23.0      | 22.8      | 22.8 | 1         | 23.7 |
|          |        |               | 1         | 5                  | 22.8      | 22.5      | 22.5      | 0         | 23.5               | 22.8      | 22.6      | 22.6 | 1         | 23.7 |
|          |        |               | 3         | 0                  | 22.6      | 22.5      | 22.5      | 0         | 23.5               | 23.1      | 23.0      | 23.0 | 1         | 23.7 |
|          |        |               | 3         | 1                  | 22.7      | 22.6      | 22.5      | 0         | 23.5               | 23.2      | 23.1      | 23.1 | 1         | 23.7 |
|          |        | 64QAM         | 3         | 3                  | 22.6      | 22.6      | 22.6      | 0         | 23.5               | 23.2      | 23.1      | 23.1 | 1         | 23.7 |
|          |        |               | 6         | 0                  | 22.0      | 22.0      | 21.9      | 0.8       | 22.7               | 22.0      | 22.0      | 22.0 | 2         | 22.7 |
|          |        |               | 1         | 0                  | 21.5      | 21.6      | 21.6      | 0.8       | 22.7               | 21.4      | 21.5      | 21.6 | 2         | 22.7 |
|          |        |               | 1         | 3                  | 21.8      | 21.8      | 21.7      | 0.8       | 22.7               | 21.7      | 21.7      | 21.8 | 2         | 22.7 |
|          |        |               | 1         | 5                  | 21.6      | 21.6      | 21.4      | 0.8       | 22.7               | 21.5      | 21.5      | 21.5 | 2         | 22.7 |
|          |        |               | 3         | 0                  | 22.1      | 22.1      | 22.0      | 0.8       | 22.7               | 22.0      | 22.1      | 22.0 | 2         | 22.7 |
| 256QAM   |        | 3             | 1         | 22.2               | 22.1      | 22.0      | 0.8       | 22.7      | 22.1               | 22.1      | 22.1      | 2    | 22.7      |      |
|          |        | 3             | 3         | 22.2               | 22.1      | 22.0      | 0.8       | 22.7      | 22.1               | 22.1      | 22.1      | 2    | 22.7      |      |
|          |        | 6             | 0         | 21.0               | 21.0      | 20.9      | 1.8       | 21.7      | 20.9               | 21.0      | 20.9      | 3    | 21.7      |      |
|          |        | 1             | 0         | 18.5               | 18.5      | 18.4      | 3.8       | 19.7      | 18.4               | 18.5      | 18.6      | 5    | 19.7      |      |
|          |        | 1             | 3         | 18.7               | 18.7      | 18.7      | 3.8       | 19.7      | 18.7               | 18.7      | 18.8      | 5    | 19.7      |      |
|          |        | 1             | 5         | 18.5               | 18.5      | 18.4      | 3.8       | 19.7      | 18.4               | 18.5      | 18.5      | 5    | 19.7      |      |

**LTE Band 30 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |   |      |           | Mode B Power (dBm) |     |      |           |
|----------|--------|---------------|-----------|--------------------|---|------|-----------|--------------------|-----|------|-----------|
|          |        |               |           | 27710              |   | MPR  | Max Power | 27710              |     | MPR  | Max Power |
|          |        |               |           | 2310 MHz           |   |      |           | 2310 MHz           |     |      |           |
| 10       | QPSK   | 1             | 0         | 25.2               |   | 0    | 25.7      | 21.8               |     | 0    | 22.9      |
|          |        | 1             | 25        | 25.1               |   | 0    | 25.7      | 21.7               |     | 0    | 22.9      |
|          |        | 1             | 49        | 24.9               |   | 0    | 25.7      | 21.5               |     | 0    | 22.9      |
|          |        | 25            | 0         | 24.5               |   | 1    | 24.7      | 21.8               |     | 0    | 22.9      |
|          |        | 25            | 12        | 24.5               |   | 1    | 24.7      | 21.9               |     | 0    | 22.9      |
|          |        | 25            | 25        | 24.5               |   | 1    | 24.7      | 21.8               |     | 0    | 22.9      |
|          | 16QAM  | 50            | 0         | 24.5               |   | 1    | 24.7      | 22.0               |     | 0    | 22.9      |
|          |        | 1             | 0         | 24.5               |   | 1    | 24.7      | 22.6               |     | 0    | 22.9      |
|          |        | 1             | 25        | 24.4               |   | 1    | 24.7      | 22.6               |     | 0    | 22.9      |
|          |        | 1             | 49        | 24.3               |   | 1    | 24.7      | 22.4               |     | 0    | 22.9      |
|          |        | 25            | 0         | 23.7               |   | 2    | 23.7      | 22.3               |     | 0    | 22.9      |
|          |        | 25            | 12        | 23.6               |   | 2    | 23.7      | 22.2               |     | 0    | 22.9      |
|          | 64QAM  | 25            | 25        | 23.6               |   | 2    | 23.7      | 22.2               |     | 0    | 22.9      |
|          |        | 50            | 0         | 23.7               |   | 2    | 23.7      | 22.3               |     | 0    | 22.9      |
|          |        | 1             | 0         | 23.4               |   | 2    | 23.7      | 22.6               |     | 0    | 22.9      |
|          |        | 1             | 25        | 23.3               |   | 2    | 23.7      | 22.4               |     | 0    | 22.9      |
|          |        | 1             | 49        | 23.1               |   | 2    | 23.7      | 22.3               |     | 0    | 22.9      |
|          |        | 25            | 0         | 22.7               |   | 3    | 22.7      | 22.4               |     | 0.2  | 22.7      |
|          | 256QAM | 25            | 12        | 22.7               |   | 3    | 22.7      | 22.3               |     | 0.2  | 22.7      |
|          |        | 25            | 25        | 22.6               |   | 3    | 22.7      | 22.3               |     | 0.2  | 22.7      |
|          |        | 50            | 0         | 22.7               |   | 3    | 22.7      | 22.3               |     | 0.2  | 22.7      |
|          |        | 1             | 0         | 20.4               |   | 5    | 20.7      | 20.4               |     | 2.2  | 20.7      |
|          |        | 1             | 25        | 20.3               |   | 5    | 20.7      | 20.2               |     | 2.2  | 20.7      |
|          |        | 1             | 49        | 20.2               |   | 5    | 20.7      | 20.2               |     | 2.2  | 20.7      |
| 5        | QPSK   | 25            | 0         | 20.7               |   | 5    | 20.7      | 20.7               |     | 2.2  | 20.7      |
|          |        | 25            | 12        | 20.7               |   | 5    | 20.7      | 20.6               |     | 2.2  | 20.7      |
|          |        | 25            | 25        | 20.6               |   | 5    | 20.7      | 20.6               |     | 2.2  | 20.7      |
|          |        | 50            | 0         | 20.7               |   | 5    | 20.7      | 20.6               |     | 2.2  | 20.7      |
|          |        | 1             | 0         | 25.2               |   | 0    | 25.7      | 22.2               |     | 0    | 22.9      |
|          |        | 1             | 12        | 25.1               |   | 0    | 25.7      | 22.1               |     | 0    | 22.9      |
|          | 16QAM  | 1             | 24        | 25.0               |   | 0    | 25.7      | 22.1               |     | 0    | 22.9      |
|          |        | 12            | 0         | 24.6               |   | 1    | 24.7      | 22.2               |     | 0    | 22.9      |
|          |        | 12            | 7         | 24.5               |   | 1    | 24.7      | 22.2               |     | 0    | 22.9      |
|          |        | 12            | 13        | 24.5               |   | 1    | 24.7      | 22.2               |     | 0    | 22.9      |
|          |        | 25            | 0         | 24.6               |   | 1    | 24.7      | 22.2               |     | 0    | 22.9      |
|          |        | 1             | 0         | 24.6               |   | 1    | 24.7      | 22.7               |     | 0    | 22.9      |
| 64QAM    | 1      | 12            | 24.4      |                    | 1 | 24.7 | 22.6      |                    | 0   | 22.9 |           |
|          | 1      | 24            | 24.4      |                    | 1 | 24.7 | 22.6      |                    | 0   | 22.9 |           |
|          | 12     | 0             | 23.7      |                    | 2 | 23.7 | 22.3      |                    | 0   | 22.9 |           |
|          | 12     | 7             | 23.6      |                    | 2 | 23.7 | 22.2      |                    | 0   | 22.9 |           |
|          | 12     | 13            | 23.5      |                    | 2 | 23.7 | 22.1      |                    | 0   | 22.9 |           |
|          | 25     | 0             | 23.6      |                    | 2 | 23.7 | 22.1      |                    | 0   | 22.9 |           |
| 256QAM   | 1      | 0             | 23.5      |                    | 2 | 23.7 | 22.6      |                    | 0   | 22.9 |           |
|          | 1      | 12            | 23.3      |                    | 2 | 23.7 | 22.5      |                    | 0   | 22.9 |           |
|          | 1      | 24            | 23.3      |                    | 2 | 23.7 | 22.5      |                    | 0   | 22.9 |           |
|          | 12     | 0             | 22.7      |                    | 3 | 22.7 | 22.3      |                    | 0.2 | 22.7 |           |
|          | 12     | 7             | 22.7      |                    | 3 | 22.7 | 22.3      |                    | 0.2 | 22.7 |           |
|          | 12     | 13            | 22.6      |                    | 3 | 22.7 | 22.3      |                    | 0.2 | 22.7 |           |
| QPSK     | 25     | 0             | 22.6      |                    | 3 | 22.7 | 22.3      |                    | 0.2 | 22.7 |           |
|          | 1      | 0             | 20.3      |                    | 5 | 20.7 | 20.3      |                    | 2.2 | 20.7 |           |
|          | 1      | 12            | 20.2      |                    | 5 | 20.7 | 20.2      |                    | 2.2 | 20.7 |           |
|          | 1      | 24            | 20.2      |                    | 5 | 20.7 | 20.2      |                    | 2.2 | 20.7 |           |
|          | 12     | 0             | 20.7      |                    | 5 | 20.7 | 20.7      |                    | 2.2 | 20.7 |           |
|          | 12     | 7             | 20.6      |                    | 5 | 20.7 | 20.6      |                    | 2.2 | 20.7 |           |
| 16QAM    | 12     | 13            | 20.6      |                    | 5 | 20.7 | 20.6      |                    | 2.2 | 20.7 |           |
|          | 25     | 0             | 20.6      |                    | 5 | 20.7 | 20.6      |                    | 2.2 | 20.7 |           |
|          | 1      | 0             | 20.3      |                    | 5 | 20.7 | 20.3      |                    | 2.2 | 20.7 |           |
|          | 1      | 12            | 20.2      |                    | 5 | 20.7 | 20.2      |                    | 2.2 | 20.7 |           |

**LTE Band 30 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |      |      |           | Mode B Power (dBm) |      |     |           |
|----------|--------|---------------|-----------|--------------------|------|------|-----------|--------------------|------|-----|-----------|
|          |        |               |           | 27710              |      | MPR  | Max Power | 27710              |      | MPR | Max Power |
|          |        |               |           | 2310 MHz           |      |      |           | 2310 MHz           |      |     |           |
| 10       | QPSK   | 1             | 0         | 18.7               | 0    | 20.4 | 17.5      | 0                  | 19.2 |     |           |
|          |        | 1             | 25        | 18.7               | 0    | 20.4 | 17.5      | 0                  | 19.2 |     |           |
|          |        | 1             | 49        | 18.7               | 0    | 20.4 | 17.5      | 0                  | 19.2 |     |           |
|          |        | 25            | 0         | 18.7               | 0    | 20.4 | 17.5      | 0                  | 19.2 |     |           |
|          |        | 25            | 12        | 18.7               | 0    | 20.4 | 17.5      | 0                  | 19.2 |     |           |
|          |        | 25            | 25        | 18.7               | 0    | 20.4 | 17.5      | 0                  | 19.2 |     |           |
|          |        | 50            | 0         | 18.8               | 0    | 20.4 | 17.6      | 0                  | 19.2 |     |           |
|          | 16QAM  | 1             | 0         | 18.6               | 0    | 20.4 | 17.3      | 0                  | 19.2 |     |           |
|          |        | 1             | 25        | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 1             | 49        | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 25            | 0         | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 25            | 12        | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 25            | 25        | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          | 64QAM  | 50            | 0         | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 1             | 0         | 18.5               | 0    | 20.4 | 17.4      | 0                  | 19.2 |     |           |
|          |        | 1             | 25        | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 1             | 49        | 18.4               | 0    | 20.4 | 17.3      | 0                  | 19.2 |     |           |
|          |        | 25            | 0         | 18.3               | 0.2  | 20.2 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 25            | 12        | 18.2               | 0.2  | 20.2 | 17.2      | 0                  | 19.2 |     |           |
|          | 256QAM | 25            | 25        | 18.3               | 0.2  | 20.2 | 17.2      | 0                  | 19.2 |     |           |
| 50       |        | 0             | 18.3      | 0.2                | 20.2 | 17.2 | 0         | 19.2               |      |     |           |
| 1        |        | 0             | 16.8      | 2.2                | 18.2 | 16.8 | 1         | 18.2               |      |     |           |
| 1        |        | 25            | 16.7      | 2.2                | 18.2 | 16.7 | 1         | 18.2               |      |     |           |
| 1        |        | 49            | 16.7      | 2.2                | 18.2 | 16.7 | 1         | 18.2               |      |     |           |
| 25       |        | 0             | 17.2      | 2.2                | 18.2 | 17.1 | 1         | 18.2               |      |     |           |
| 25       |        | 12            | 17.0      | 2.2                | 18.2 | 17.0 | 1         | 18.2               |      |     |           |
| 25       | 25     | 17.1          | 2.2       | 18.2               | 17.1 | 1    | 18.2      |                    |      |     |           |
| 50       | 0      | 17.1          | 2.2       | 18.2               | 17.1 | 1    | 18.2      |                    |      |     |           |
| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |      |      |           | Mode B Power (dBm) |      |     |           |
|          |        |               |           | 27710              |      | MPR  | Max Power | 27710              |      | MPR | Max Power |
|          |        |               |           | 2310 MHz           |      |      |           | 2310 MHz           |      |     |           |
| 5        | QPSK   | 1             | 0         | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 1             | 12        | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 1             | 24        | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 12            | 0         | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 12            | 7         | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 12            | 13        | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 25            | 0         | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          | 16QAM  | 1             | 0         | 18.8               | 0    | 20.4 | 17.5      | 0                  | 19.2 |     |           |
|          |        | 1             | 12        | 18.7               | 0    | 20.4 | 17.4      | 0                  | 19.2 |     |           |
|          |        | 1             | 24        | 18.7               | 0    | 20.4 | 17.5      | 0                  | 19.2 |     |           |
|          |        | 12            | 0         | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 12            | 7         | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 12            | 13        | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          | 64QAM  | 25            | 0         | 18.4               | 0    | 20.4 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 1             | 0         | 18.7               | 0    | 20.4 | 17.4      | 0                  | 19.2 |     |           |
|          |        | 1             | 12        | 18.6               | 0    | 20.4 | 17.3      | 0                  | 19.2 |     |           |
|          |        | 1             | 24        | 18.6               | 0    | 20.4 | 17.3      | 0                  | 19.2 |     |           |
|          |        | 12            | 0         | 18.3               | 0.2  | 20.2 | 17.2      | 0                  | 19.2 |     |           |
|          |        | 12            | 7         | 18.3               | 0.2  | 20.2 | 17.2      | 0                  | 19.2 |     |           |
|          | 256QAM | 12            | 13        | 18.3               | 0.2  | 20.2 | 17.2      | 0                  | 19.2 |     |           |
| 25       |        | 0             | 18.3      | 0.2                | 20.2 | 17.2 | 0         | 19.2               |      |     |           |
| 1        |        | 0             | 16.9      | 2.2                | 18.2 | 16.8 | 1         | 18.2               |      |     |           |
| 1        |        | 12            | 16.8      | 2.2                | 18.2 | 16.7 | 1         | 18.2               |      |     |           |
| 1        |        | 24            | 16.8      | 2.2                | 18.2 | 16.8 | 1         | 18.2               |      |     |           |
| 12       |        | 0             | 17.2      | 2.2                | 18.2 | 17.1 | 1         | 18.2               |      |     |           |
| 12       |        | 7             | 17.1      | 2.2                | 18.2 | 17.0 | 1         | 18.2               |      |     |           |
| 12       | 13     | 17.2          | 2.2       | 18.2               | 17.1 | 1    | 18.2      |                    |      |     |           |
| 25       | 0      | 17.1          | 2.2       | 18.2               | 17.1 | 1    | 18.2      |                    |      |     |           |

**LTE Band 30 Measured Results (ANT3, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |      |      |           | Mode B Power (dBm) |      |     |           |
|----------|--------|---------------|-----------|--------------------|------|------|-----------|--------------------|------|-----|-----------|
|          |        |               |           | 27710              |      | MPR  | Max Power | 27710              |      | MPR | Max Power |
|          |        |               |           | 2310 MHz           |      |      |           | 2310 MHz           |      |     |           |
| 10       | QPSK   | 1             | 0         | 23.2               | 0    | 24.0 | 21.5      | 0                  | 22.3 |     |           |
|          |        | 1             | 25        | 23.1               | 0    | 24.0 | 21.4      | 0                  | 22.3 |     |           |
|          |        | 1             | 49        | 23.1               | 0    | 24.0 | 21.4      | 0                  | 22.3 |     |           |
|          |        | 25            | 0         | 23.2               | 0    | 24.0 | 21.4      | 0                  | 22.3 |     |           |
|          |        | 25            | 12        | 23.2               | 0    | 24.0 | 21.4      | 0                  | 22.3 |     |           |
|          |        | 25            | 25        | 23.2               | 0    | 24.0 | 21.5      | 0                  | 22.3 |     |           |
|          |        | 50            | 0         | 23.2               | 0    | 24.0 | 21.5      | 0                  | 22.3 |     |           |
|          | 16QAM  | 1             | 0         | 23.5               | 0    | 24.0 | 21.7      | 0                  | 22.3 |     |           |
|          |        | 1             | 25        | 23.4               | 0    | 24.0 | 21.6      | 0                  | 22.3 |     |           |
|          |        | 1             | 49        | 23.4               | 0    | 24.0 | 21.6      | 0                  | 22.3 |     |           |
|          |        | 25            | 0         | 22.8               | 0.8  | 23.2 | 21.4      | 0                  | 22.3 |     |           |
|          |        | 25            | 12        | 22.8               | 0.8  | 23.2 | 21.4      | 0                  | 22.3 |     |           |
|          |        | 25            | 25        | 22.8               | 0.8  | 23.2 | 21.4      | 0                  | 22.3 |     |           |
|          | 64QAM  | 50            | 0         | 22.8               | 0.8  | 23.2 | 21.5      | 0                  | 22.3 |     |           |
|          |        | 1             | 0         | 22.5               | 0.8  | 23.2 | 21.7      | 0                  | 22.3 |     |           |
|          |        | 1             | 25        | 22.5               | 0.8  | 23.2 | 21.6      | 0                  | 22.3 |     |           |
|          |        | 1             | 49        | 22.5               | 0.8  | 23.2 | 21.7      | 0                  | 22.3 |     |           |
|          |        | 25            | 0         | 21.8               | 1.8  | 22.2 | 21.4      | 0.1                | 22.2 |     |           |
|          |        | 25            | 12        | 21.7               | 1.8  | 22.2 | 21.4      | 0.1                | 22.2 |     |           |
|          | 256QAM | 25            | 25        | 21.8               | 1.8  | 22.2 | 21.4      | 0.1                | 22.2 |     |           |
|          |        | 50            | 0         | 21.8               | 1.8  | 22.2 | 21.4      | 0.1                | 22.2 |     |           |
|          |        | 1             | 0         | 19.5               | 3.8  | 20.2 | 19.5      | 2.1                | 20.2 |     |           |
|          |        | 1             | 25        | 19.4               | 3.8  | 20.2 | 19.5      | 2.1                | 20.2 |     |           |
|          |        | 1             | 49        | 19.5               | 3.8  | 20.2 | 19.5      | 2.1                | 20.2 |     |           |
| 25       |        | 0             | 19.8      | 3.8                | 20.2 | 19.8 | 2.1       | 20.2               |      |     |           |
| 5        | QPSK   | 25            | 12        | 19.7               | 3.8  | 20.2 | 19.8      | 2.1                | 20.2 |     |           |
|          |        | 25            | 25        | 19.7               | 3.8  | 20.2 | 19.8      | 2.1                | 20.2 |     |           |
|          |        | 50            | 0         | 19.8               | 3.8  | 20.2 | 19.8      | 2.1                | 20.2 |     |           |
|          |        | 1             | 0         | 23.2               | 0    | 24.0 | 21.5      | 0                  | 22.3 |     |           |
|          |        | 1             | 12        | 23.1               | 0    | 24.0 | 21.4      | 0                  | 22.3 |     |           |
|          |        | 1             | 24        | 23.2               | 0    | 24.0 | 21.5      | 0                  | 22.3 |     |           |
|          |        | 12            | 0         | 23.1               | 0    | 24.0 | 21.4      | 0                  | 22.3 |     |           |
|          | 16QAM  | 12            | 7         | 23.2               | 0    | 24.0 | 21.5      | 0                  | 22.3 |     |           |
|          |        | 12            | 13        | 23.1               | 0    | 24.0 | 21.4      | 0                  | 22.3 |     |           |
|          |        | 25            | 0         | 23.1               | 0    | 24.0 | 21.4      | 0                  | 22.3 |     |           |
|          |        | 1             | 0         | 23.5               | 0    | 24.0 | 21.7      | 0                  | 22.3 |     |           |
|          |        | 1             | 12        | 23.5               | 0    | 24.0 | 21.6      | 0                  | 22.3 |     |           |
|          |        | 1             | 24        | 23.6               | 0    | 24.0 | 21.6      | 0                  | 22.3 |     |           |
|          |        | 12            | 0         | 22.7               | 0.8  | 23.2 | 21.3      | 0                  | 22.3 |     |           |
|          | 64QAM  | 12            | 7         | 22.8               | 0.8  | 23.2 | 21.3      | 0                  | 22.3 |     |           |
|          |        | 12            | 13        | 22.7               | 0.8  | 23.2 | 21.3      | 0                  | 22.3 |     |           |
|          |        | 25            | 0         | 22.8               | 0.8  | 23.2 | 21.4      | 0                  | 22.3 |     |           |
|          |        | 1             | 0         | 22.5               | 0.8  | 23.2 | 21.7      | 0                  | 22.3 |     |           |
|          |        | 1             | 12        | 22.4               | 0.8  | 23.2 | 21.5      | 0                  | 22.3 |     |           |
|          |        | 1             | 24        | 22.5               | 0.8  | 23.2 | 21.6      | 0                  | 22.3 |     |           |
|          |        | 12            | 0         | 21.7               | 1.8  | 22.2 | 21.3      | 0.1                | 22.2 |     |           |
|          | 256QAM | 12            | 7         | 21.8               | 1.8  | 22.2 | 21.4      | 0.1                | 22.2 |     |           |
|          |        | 12            | 13        | 21.7               | 1.8  | 22.2 | 21.3      | 0.1                | 22.2 |     |           |
|          |        | 25            | 0         | 21.8               | 1.8  | 22.2 | 21.4      | 0.1                | 22.2 |     |           |
| 1        |        | 0             | 19.5      | 3.8                | 20.2 | 19.5 | 2.1       | 20.2               |      |     |           |
| 1        |        | 12            | 19.5      | 3.8                | 20.2 | 19.5 | 2.1       | 20.2               |      |     |           |
| 1        |        | 24            | 19.5      | 3.8                | 20.2 | 19.5 | 2.1       | 20.2               |      |     |           |
| 12       |        | 0             | 19.7      | 3.8                | 20.2 | 19.7 | 2.1       | 20.2               |      |     |           |
| 5        | 12     | 7             | 19.8      | 3.8                | 20.2 | 19.7 | 2.1       | 20.2               |      |     |           |
|          | 12     | 13            | 19.7      | 3.8                | 20.2 | 19.7 | 2.1       | 20.2               |      |     |           |
|          | 25     | 0             | 19.7      | 3.8                | 20.2 | 19.7 | 2.1       | 20.2               |      |     |           |
|          | 1      | 0             | 19.5      | 3.8                | 20.2 | 19.5 | 2.1       | 20.2               |      |     |           |
|          | 1      | 12            | 19.5      | 3.8                | 20.2 | 19.5 | 2.1       | 20.2               |      |     |           |
|          | 1      | 24            | 19.5      | 3.8                | 20.2 | 19.5 | 2.1       | 20.2               |      |     |           |
|          | 12     | 0             | 19.7      | 3.8                | 20.2 | 19.7 | 2.1       | 20.2               |      |     |           |

**LTE Band 30 Measured Results (ANT4, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |      |      |           | Mode B Power (dBm) |      |      |           |
|----------|--------|---------------|-----------|--------------------|------|------|-----------|--------------------|------|------|-----------|
|          |        |               |           | 27710              |      | MPR  | Max Power | 27710              |      | MPR  | Max Power |
|          |        |               |           | 2310 MHz           |      |      |           | 2310 MHz           |      |      |           |
| 10       | QPSK   | 1             | 0         | 19.9               | 0    | 20.4 | 18.5      | 0                  | 19.9 |      |           |
|          |        | 1             | 25        | 19.8               | 0    | 20.4 | 18.5      | 0                  | 19.9 |      |           |
|          |        | 1             | 49        | 19.8               | 0    | 20.4 | 18.5      | 0                  | 19.9 |      |           |
|          |        | 25            | 0         | 19.9               | 0    | 20.4 | 18.6      | 0                  | 19.9 |      |           |
|          |        | 25            | 12        | 19.8               | 0    | 20.4 | 18.6      | 0                  | 19.9 |      |           |
|          |        | 25            | 25        | 19.9               | 0    | 20.4 | 18.5      | 0                  | 19.9 |      |           |
|          |        | 50            | 0         | 19.9               | 0    | 20.4 | 18.6      | 0                  | 19.9 |      |           |
|          | 16QAM  | 1             | 0         | 20.1               | 0    | 20.4 | 18.6      | 0                  | 19.9 |      |           |
|          |        | 1             | 25        | 20.1               | 0    | 20.4 | 18.6      | 0                  | 19.9 |      |           |
|          |        | 1             | 49        | 20.0               | 0    | 20.4 | 18.6      | 0                  | 19.9 |      |           |
|          |        | 25            | 0         | 19.7               | 0    | 20.4 | 18.3      | 0                  | 19.9 |      |           |
|          |        | 25            | 12        | 19.7               | 0    | 20.4 | 18.3      | 0                  | 19.9 |      |           |
|          |        | 25            | 25        | 19.7               | 0    | 20.4 | 18.3      | 0                  | 19.9 |      |           |
|          | 64QAM  | 50            | 0         | 19.8               | 0    | 20.4 | 18.3      | 0                  | 19.9 |      |           |
|          |        | 1             | 0         | 19.8               | 0    | 20.4 | 18.3      | 0                  | 19.9 |      |           |
|          |        | 1             | 25        | 19.8               | 0    | 20.4 | 18.4      | 0                  | 19.9 |      |           |
|          |        | 1             | 49        | 19.8               | 0    | 20.4 | 18.4      | 0                  | 19.9 |      |           |
|          |        | 25            | 0         | 19.1               | 0.2  | 20.2 | 18.1      | 0                  | 19.9 |      |           |
|          |        | 25            | 12        | 19.1               | 0.2  | 20.2 | 18.2      | 0                  | 19.9 |      |           |
|          | 256QAM | 25            | 25        | 19.1               | 0.2  | 20.2 | 18.2      | 0                  | 19.9 |      |           |
|          |        | 50            | 0         | 19.1               | 0.2  | 20.2 | 18.2      | 0                  | 19.9 |      |           |
|          |        | 1             | 0         | 16.8               | 2.2  | 18.2 | 16.8      | 1.7                | 18.2 |      |           |
|          |        | 1             | 25        | 16.8               | 2.2  | 18.2 | 16.8      | 1.7                | 18.2 |      |           |
|          |        | 1             | 49        | 16.8               | 2.2  | 18.2 | 16.9      | 1.7                | 18.2 |      |           |
| 25       |        | 0             | 17.1      | 2.2                | 18.2 | 17.1 | 1.7       | 18.2               |      |      |           |
| 5        | QPSK   | 25            | 12        | 17.2               | 2.2  | 18.2 | 17.2      | 1.7                | 18.2 |      |           |
|          |        | 25            | 25        | 17.2               | 2.2  | 18.2 | 17.2      | 1.7                | 18.2 |      |           |
|          |        | 50            | 0         | 17.1               | 2.2  | 18.2 | 17.2      | 1.7                | 18.2 |      |           |
|          |        | 16QAM         | 1         | 0                  | 19.8 | 0    | 20.4      | 18.4               | 0    | 19.9 |           |
|          |        |               | 1         | 12                 | 19.7 | 0    | 20.4      | 18.3               | 0    | 19.9 |           |
|          |        |               | 1         | 24                 | 19.8 | 0    | 20.4      | 18.4               | 0    | 19.9 |           |
|          |        |               | 12        | 0                  | 19.8 | 0    | 20.4      | 18.4               | 0    | 19.9 |           |
|          | 12     |               | 7         | 19.8               | 0    | 20.4 | 18.4      | 0                  | 19.9 |      |           |
|          | 12     |               | 13        | 19.8               | 0    | 20.4 | 18.4      | 0                  | 19.9 |      |           |
|          | 64QAM  | 25            | 0         | 19.8               | 0    | 20.4 | 18.4      | 0                  | 19.9 |      |           |
|          |        | 1             | 0         | 20.2               | 0    | 20.4 | 18.7      | 0                  | 19.9 |      |           |
|          |        | 1             | 12        | 20.1               | 0    | 20.4 | 18.7      | 0                  | 19.9 |      |           |
|          |        | 1             | 24        | 20.1               | 0    | 20.4 | 18.7      | 0                  | 19.9 |      |           |
|          |        | 12            | 0         | 19.8               | 0    | 20.4 | 18.4      | 0                  | 19.9 |      |           |
|          |        | 12            | 7         | 19.8               | 0    | 20.4 | 18.3      | 0                  | 19.9 |      |           |
|          | 256QAM | 12            | 13        | 19.8               | 0    | 20.4 | 18.3      | 0                  | 19.9 |      |           |
|          |        | 25            | 0         | 19.8               | 0    | 20.4 | 18.3      | 0                  | 19.9 |      |           |
|          |        | 1             | 0         | 19.9               | 0    | 20.4 | 18.2      | 0                  | 19.9 |      |           |
|          |        | 1             | 12        | 19.8               | 0    | 20.4 | 18.2      | 0                  | 19.9 |      |           |
|          |        | 1             | 24        | 19.8               | 0    | 20.4 | 18.3      | 0                  | 19.9 |      |           |
|          |        | 12            | 0         | 19.1               | 0.2  | 20.2 | 18.1      | 0                  | 19.9 |      |           |
|          | 256QAM | 12            | 7         | 19.1               | 0.2  | 20.2 | 18.1      | 0                  | 19.9 |      |           |
|          |        | 12            | 13        | 19.1               | 0.2  | 20.2 | 18.1      | 0                  | 19.9 |      |           |
|          |        | 25            | 0         | 19.1               | 0.2  | 20.2 | 18.1      | 0                  | 19.9 |      |           |
| 1        |        | 0             | 16.8      | 2.2                | 18.2 | 16.8 | 1.7       | 18.2               |      |      |           |
| 1        |        | 12            | 16.8      | 2.2                | 18.2 | 16.7 | 1.7       | 18.2               |      |      |           |
| 1        |        | 24            | 16.9      | 2.2                | 18.2 | 16.8 | 1.7       | 18.2               |      |      |           |
| 12       |        | 0             | 17.2      | 2.2                | 18.2 | 17.2 | 1.7       | 18.2               |      |      |           |





**LTE Band 41 Power Class 3 Measured Results (ANT1, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |            |          |            |          |      |           | Mode B Power (dBm) |            |          |            |          |      |           |
|----------|--------|---------------|-----------|--------------------|------------|----------|------------|----------|------|-----------|--------------------|------------|----------|------------|----------|------|-----------|
|          |        |               |           | 39750              | 40185      | 40620    | 41055      | 41490    | MFR  | Max Power | 39750              | 40185      | 40620    | 41055      | 41490    | MFR  | Max Power |
|          |        |               |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           |
| 10       | QPSK   | 1             | 0         | 24.8               | 24.7       | 24.7     | 24.7       | 24.8     | 24.8 | 0         | 25.7               | 22.7       | 22.6     | 22.7       | 22.6     | 0    | 23.9      |
|          |        | 1             | 25        | 24.8               | 24.8       | 24.7     | 24.8       | 24.8     | 24.8 | 0         | 25.7               | 22.8       | 22.7     | 22.6       | 22.8     | 0    | 23.9      |
|          |        | 1             | 49        | 24.8               | 24.7       | 24.7     | 24.8       | 24.7     | 24.8 | 0         | 25.7               | 22.8       | 22.7     | 22.5       | 22.9     | 0    | 23.9      |
|          |        | 25            | 0         | 24.7               | 24.6       | 24.6     | 24.7       | 24.6     | 24.6 | 1         | 24.7               | 23.0       | 22.9     | 22.9       | 23.0     | 0    | 23.9      |
|          |        | 25            | 12        | 24.7               | 24.6       | 24.6     | 24.7       | 24.6     | 24.6 | 1         | 24.7               | 23.0       | 22.9     | 22.9       | 23.0     | 0    | 23.9      |
|          |        | 25            | 25        | 24.7               | 24.6       | 24.5     | 24.7       | 24.6     | 24.6 | 1         | 24.7               | 23.0       | 22.9     | 22.8       | 23.0     | 0    | 23.9      |
|          | 16QAM  | 1             | 0         | 24.1               | 24.2       | 24.1     | 24.1       | 24.2     | 24.2 | 1         | 24.7               | 22.7       | 22.8     | 22.6       | 22.8     | 0    | 23.9      |
|          |        | 1             | 25        | 24.3               | 24.3       | 24.2     | 24.3       | 24.2     | 24.2 | 1         | 24.7               | 22.8       | 22.7     | 22.7       | 22.9     | 0    | 23.9      |
|          |        | 1             | 49        | 24.3               | 24.2       | 24.1     | 24.3       | 24.1     | 24.1 | 1         | 24.7               | 22.8       | 22.7     | 22.6       | 22.9     | 0    | 23.9      |
|          |        | 25            | 0         | 23.7               | 23.5       | 23.5     | 23.6       | 23.6     | 23.6 | 2         | 23.7               | 23.0       | 22.8     | 22.8       | 23.0     | 0.2  | 23.7      |
|          |        | 25            | 12        | 23.7               | 23.6       | 23.5     | 23.6       | 23.6     | 23.6 | 2         | 23.7               | 23.0       | 22.9     | 22.8       | 23.0     | 0.2  | 23.7      |
|          |        | 25            | 25        | 23.7               | 23.6       | 23.5     | 23.7       | 23.5     | 23.5 | 2         | 23.7               | 23.0       | 22.9     | 22.8       | 23.0     | 0.2  | 23.7      |
|          | 64QAM  | 1             | 0         | 22.8               | 22.6       | 22.7     | 22.7       | 22.7     | 22.7 | 2         | 23.7               | 22.7       | 22.6     | 22.7       | 22.7     | 0.2  | 23.7      |
|          |        | 1             | 25        | 22.8               | 22.8       | 22.6     | 22.8       | 22.7     | 22.7 | 2         | 23.7               | 22.8       | 22.7     | 22.6       | 22.8     | 0.2  | 23.7      |
|          |        | 25            | 0         | 22.7               | 22.6       | 22.5     | 22.7       | 22.6     | 22.6 | 3         | 22.7               | 22.7       | 22.5     | 22.5       | 22.7     | 1.2  | 22.7      |
|          |        | 25            | 12        | 22.7               | 22.6       | 22.5     | 22.7       | 22.6     | 22.6 | 3         | 22.7               | 22.7       | 22.6     | 22.5       | 22.7     | 1.2  | 22.7      |
|          |        | 25            | 25        | 22.7               | 22.6       | 22.5     | 22.7       | 22.4     | 22.4 | 3         | 22.7               | 22.7       | 22.6     | 22.5       | 22.7     | 1.2  | 22.7      |
|          |        | 50            | 0         | 22.7               | 22.7       | 22.5     | 22.7       | 22.6     | 22.6 | 3         | 22.7               | 22.7       | 22.6     | 22.5       | 22.7     | 1.2  | 22.7      |
|          | 256QAM | 1             | 0         | 20.3               | 20.2       | 20.2     | 20.2       | 20.2     | 20.2 | 5         | 20.7               | 20.3       | 20.1     | 20.2       | 20.2     | 3.2  | 20.7      |
|          |        | 1             | 25        | 20.3               | 20.2       | 20.1     | 20.4       | 20.2     | 20.2 | 5         | 20.7               | 20.3       | 20.2     | 20.2       | 20.3     | 3.2  | 20.7      |
|          |        | 1             | 49        | 20.3               | 20.2       | 20.0     | 20.3       | 20.2     | 20.2 | 5         | 20.7               | 20.3       | 20.2     | 20.0       | 20.3     | 3.2  | 20.7      |
|          |        | 25            | 0         | 20.7               | 20.6       | 20.6     | 20.7       | 20.6     | 20.6 | 5         | 20.7               | 20.7       | 20.6     | 20.6       | 20.7     | 3.2  | 20.7      |
|          |        | 25            | 12        | 20.7               | 20.7       | 20.6     | 20.7       | 20.6     | 20.6 | 5         | 20.7               | 20.7       | 20.6     | 20.5       | 20.7     | 3.2  | 20.7      |
|          |        | 25            | 25        | 20.7               | 20.7       | 20.5     | 20.7       | 20.6     | 20.6 | 5         | 20.7               | 20.7       | 20.6     | 20.5       | 20.7     | 3.2  | 20.7      |
|          | 50     | 0             | 20.7      | 20.7               | 20.6       | 20.7     | 20.7       | 20.7     | 5    | 20.7      | 20.7               | 20.7       | 20.6     | 20.7       | 3.2      | 20.7 |           |
|          | 5      | QPSK          | 1         | 0                  | 24.8       | 24.8     | 24.9       | 25.0     | 24.7 | 0         | 25.7               | 22.8       | 22.8     | 22.8       | 22.8     | 0    | 23.9      |
|          |        |               | 1         | 12                 | 24.7       | 24.8     | 24.6       | 24.9     | 24.7 | 0         | 25.7               | 22.7       | 22.7     | 22.5       | 22.7     | 0    | 23.9      |
|          |        |               | 1         | 24                 | 24.8       | 24.8     | 24.7       | 24.8     | 24.6 | 0         | 25.7               | 22.8       | 22.6     | 22.6       | 22.8     | 0    | 23.9      |
|          |        |               | 12        | 0                  | 24.7       | 24.6     | 24.6       | 24.7     | 24.6 | 1         | 24.7               | 23.0       | 22.9     | 22.9       | 23.0     | 0    | 23.9      |
|          |        |               | 12        | 7                  | 24.7       | 24.6     | 24.6       | 24.7     | 24.6 | 1         | 24.7               | 23.0       | 22.9     | 22.9       | 23.0     | 0    | 23.9      |
| 12       |        |               | 13        | 24.7               | 24.6       | 24.6     | 24.7       | 24.6     | 1    | 24.7      | 23.0               | 22.9       | 22.8     | 23.0       | 0        | 23.9 |           |
| 16QAM    |        | 1             | 0         | 24.4               | 24.3       | 24.2     | 24.1       | 24.1     | 1    | 24.7      | 22.9               | 22.7       | 22.7     | 22.8       | 0        | 23.9 |           |
|          |        | 1             | 12        | 24.3               | 24.4       | 24.1     | 24.2       | 24.1     | 1    | 24.7      | 22.8               | 22.7       | 22.6     | 22.8       | 0        | 23.9 |           |
|          |        | 1             | 24        | 24.2               | 24.3       | 24.1     | 24.2       | 24.0     | 1    | 24.7      | 22.8               | 22.7       | 22.7     | 22.9       | 0        | 23.9 |           |
|          |        | 12            | 0         | 23.6               | 23.5       | 23.5     | 23.6       | 23.5     | 2    | 23.7      | 22.9               | 22.9       | 22.8     | 22.9       | 0.2      | 23.7 |           |
|          |        | 12            | 7         | 23.6               | 23.6       | 23.5     | 23.6       | 23.5     | 2    | 23.7      | 22.9               | 22.9       | 22.8     | 22.9       | 0.2      | 23.7 |           |
|          |        | 12            | 13        | 23.6               | 23.6       | 23.4     | 23.6       | 23.5     | 2    | 23.7      | 22.9               | 22.9       | 22.7     | 22.9       | 0.2      | 23.7 |           |
| 64QAM    |        | 1             | 0         | 22.7               | 22.8       | 22.7     | 22.9       | 22.6     | 2    | 23.7      | 22.7               | 22.6       | 22.7     | 22.8       | 0.2      | 23.7 |           |
|          |        | 1             | 12        | 22.8               | 22.6       | 22.6     | 22.9       | 22.7     | 2    | 23.7      | 22.7               | 22.7       | 22.6     | 22.7       | 0.2      | 23.7 |           |
|          |        | 1             | 24        | 22.9               | 22.8       | 22.6     | 23.1       | 22.6     | 2    | 23.7      | 22.7               | 22.6       | 22.6     | 22.8       | 0.2      | 23.7 |           |
|          |        | 12            | 0         | 22.6               | 22.6       | 22.5     | 22.7       | 22.5     | 3    | 22.7      | 22.6               | 22.6       | 22.5     | 22.6       | 1.2      | 22.7 |           |
|          |        | 12            | 7         | 22.6               | 22.6       | 22.5     | 22.7       | 22.5     | 3    | 22.7      | 22.6               | 22.6       | 22.5     | 22.6       | 1.2      | 22.7 |           |
|          |        | 12            | 13        | 22.6               | 22.6       | 22.5     | 22.6       | 22.5     | 3    | 22.7      | 22.6               | 22.6       | 22.5     | 22.7       | 1.2      | 22.7 |           |
| 256QAM   |        | 1             | 0         | 20.3               | 20.1       | 20.1     | 20.3       | 20.1     | 5    | 20.7      | 20.1               | 20.1       | 20.1     | 20.3       | 3.2      | 20.7 |           |
|          |        | 1             | 12        | 20.2               | 20.2       | 20.0     | 20.2       | 20.1     | 5    | 20.7      | 20.1               | 20.1       | 20.0     | 20.3       | 3.2      | 20.7 |           |
|          |        | 1             | 24        | 20.2               | 20.1       | 20.0     | 20.2       | 20.1     | 5    | 20.7      | 20.2               | 20.1       | 20.1     | 20.3       | 3.2      | 20.7 |           |
|          |        | 12            | 0         | 20.7               | 20.6       | 20.5     | 20.7       | 20.5     | 5    | 20.7      | 20.6               | 20.6       | 20.5     | 20.7       | 3.2      | 20.7 |           |
|          |        | 12            | 7         | 20.7               | 20.6       | 20.5     | 20.7       | 20.5     | 5    | 20.7      | 20.6               | 20.6       | 20.5     | 20.6       | 3.2      | 20.7 |           |
|          |        | 12            | 13        | 20.7               | 20.6       | 20.4     | 20.7       | 20.5     | 5    | 20.7      | 20.6               | 20.6       | 20.5     | 20.7       | 3.2      | 20.7 |           |

**LTE Band 41 Power Class 2 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |          |            |          | MPR  | Max Power |
|----------|--------|---------------|-----------|--------------------|------------|----------|------------|----------|------|-----------|
|          |        |               |           | 39750              | 40185      | 40620    | 41055      | 41490    |      |           |
|          |        |               |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           |
| 20       | QPSK   | 1             | 0         | 26.9               | 27.9       | 28.0     | 27.9       | 26.9     | 0    | 28.7      |
|          |        | 1             | 49        | 27.2               | 28.1       | 28.1     | 28.2       | 27.1     | 0    | 28.7      |
|          |        | 1             | 99        | 27.1               | 28.0       | 27.7     | 28.0       | 26.8     | 0    | 28.7      |
|          |        | 50            | 0         | 26.6               | 27.5       | 27.5     | 27.6       | 26.6     | 1    | 27.7      |
|          |        | 50            | 24        | 26.7               | 27.6       | 27.4     | 27.6       | 26.6     | 1    | 27.7      |
|          |        | 50            | 50        | 26.7               | 27.6       | 27.5     | 27.6       | 26.5     | 1    | 27.7      |
|          | 16QAM  | 100           | 0         | 26.7               | 27.6       | 27.5     | 27.6       | 26.6     | 1    | 27.7      |
|          |        | 1             | 0         | 26.5               | 27.2       | 27.3     | 27.4       | 26.3     | 1    | 27.7      |
|          |        | 1             | 49        | 26.5               | 27.4       | 27.5     | 27.5       | 26.4     | 1    | 27.7      |
|          |        | 1             | 99        | 26.6               | 27.3       | 27.2     | 27.4       | 26.1     | 1    | 27.7      |
|          |        | 50            | 0         | 25.6               | 26.5       | 26.5     | 26.6       | 25.5     | 2    | 26.7      |
|          |        | 50            | 24        | 25.6               | 26.6       | 26.4     | 26.6       | 25.5     | 2    | 26.7      |
|          | 64QAM  | 50            | 50        | 25.7               | 26.6       | 26.5     | 26.6       | 25.5     | 2    | 26.7      |
|          |        | 100           | 0         | 25.7               | 26.6       | 26.5     | 26.7       | 25.6     | 2    | 26.7      |
|          |        | 1             | 0         | 25.2               | 26.1       | 26.3     | 26.2       | 25.1     | 2    | 26.7      |
|          |        | 1             | 49        | 25.3               | 26.3       | 26.2     | 26.4       | 25.3     | 2    | 26.7      |
|          |        | 1             | 99        | 25.4               | 26.2       | 26.0     | 26.2       | 25.0     | 2    | 26.7      |
|          |        | 50            | 0         | 24.6               | 25.5       | 25.5     | 25.6       | 24.5     | 3    | 25.7      |
|          | 256QAM | 50            | 24        | 24.6               | 25.6       | 25.4     | 25.6       | 24.5     | 3    | 25.7      |
|          |        | 50            | 50        | 24.7               | 25.6       | 25.5     | 25.7       | 24.5     | 3    | 25.7      |
|          |        | 100           | 0         | 24.7               | 25.6       | 25.5     | 25.7       | 24.6     | 3    | 25.7      |
|          |        | 1             | 0         | 22.2               | 23.1       | 23.1     | 23.1       | 22.1     | 5    | 23.7      |
|          |        | 1             | 49        | 22.3               | 23.2       | 23.2     | 23.4       | 22.2     | 5    | 23.7      |
|          |        | 1             | 99        | 22.3               | 23.2       | 23.0     | 23.2       | 21.9     | 5    | 23.7      |
| 15       | QPSK   | 50            | 0         | 22.6               | 23.5       | 23.6     | 23.6       | 22.5     | 5    | 23.7      |
|          |        | 50            | 24        | 22.6               | 23.6       | 23.5     | 23.6       | 22.5     | 5    | 23.7      |
|          |        | 50            | 50        | 22.7               | 23.6       | 23.5     | 23.7       | 22.5     | 5    | 23.7      |
|          |        | 100           | 0         | 22.7               | 23.6       | 23.6     | 23.7       | 22.6     | 5    | 23.7      |
|          |        | 1             | 0         | 27.1               | 28.0       | 28.1     | 28.1       | 27.0     | 0    | 28.7      |
|          |        | 1             | 37        | 27.2               | 28.1       | 28.0     | 28.2       | 27.0     | 0    | 28.7      |
| 16QAM    | 1      | 74            | 27.2      | 28.1               | 28.0       | 28.2     | 26.9       | 0        | 28.7 |           |
|          | 36     | 0             | 26.7      | 27.6               | 27.6       | 27.7     | 26.6       | 1        | 27.7 |           |
|          | 36     | 20            | 26.7      | 27.7               | 27.6       | 27.7     | 26.6       | 1        | 27.7 |           |
|          | 36     | 39            | 26.7      | 27.6               | 27.5       | 27.7     | 26.5       | 1        | 27.7 |           |
|          | 75     | 0             | 26.7      | 27.6               | 27.5       | 27.7     | 26.6       | 1        | 27.7 |           |
|          | 1      | 0             | 26.4      | 27.4               | 27.6       | 27.4     | 26.4       | 1        | 27.7 |           |
| 64QAM    | 1      | 37            | 26.5      | 27.4               | 27.4       | 27.4     | 26.4       | 1        | 27.7 |           |
|          | 1      | 74            | 26.6      | 27.4               | 27.2       | 27.6     | 26.3       | 1        | 27.7 |           |
|          | 36     | 0             | 25.6      | 26.5               | 26.6       | 26.6     | 25.6       | 2        | 26.7 |           |
|          | 36     | 20            | 25.6      | 26.6               | 26.6       | 26.6     | 25.6       | 2        | 26.7 |           |
|          | 36     | 39            | 25.6      | 26.6               | 26.5       | 26.6     | 25.5       | 2        | 26.7 |           |
|          | 75     | 0             | 25.6      | 26.6               | 26.5       | 26.6     | 25.6       | 2        | 26.7 |           |
| 256QAM   | 1      | 0             | 25.4      | 26.2               | 26.4       | 26.3     | 25.3       | 2        | 26.7 |           |
|          | 1      | 37            | 25.4      | 26.3               | 26.2       | 26.4     | 25.2       | 2        | 26.7 |           |
|          | 1      | 74            | 25.4      | 26.3               | 26.2       | 26.5     | 25.1       | 2        | 26.7 |           |
|          | 36     | 0             | 24.7      | 25.6               | 25.6       | 25.7     | 24.5       | 3        | 25.7 |           |
|          | 36     | 20            | 24.6      | 25.6               | 25.6       | 25.7     | 24.5       | 3        | 25.7 |           |
|          | 36     | 39            | 24.6      | 25.6               | 25.5       | 25.7     | 24.5       | 3        | 25.7 |           |
| QPSK     | 75     | 0             | 24.7      | 25.6               | 25.5       | 25.7     | 24.6       | 3        | 25.7 |           |
|          | 1      | 0             | 22.4      | 23.3               | 23.4       | 23.4     | 22.3       | 5        | 23.7 |           |
|          | 1      | 37            | 22.3      | 23.2               | 23.1       | 23.3     | 22.2       | 5        | 23.7 |           |
|          | 1      | 74            | 22.5      | 23.3               | 23.1       | 23.5     | 22.1       | 5        | 23.7 |           |
|          | 36     | 0             | 22.7      | 23.5               | 23.6       | 23.7     | 22.6       | 5        | 23.7 |           |
|          | 36     | 20            | 22.7      | 23.6               | 23.6       | 23.7     | 22.6       | 5        | 23.7 |           |
| 16QAM    | 36     | 39            | 22.7      | 23.6               | 23.5       | 23.7     | 22.5       | 5        | 23.7 |           |
|          | 75     | 0             | 22.7      | 23.6               | 23.5       | 23.7     | 22.6       | 5        | 23.7 |           |

**LTE Band 41 Power Class 2 Measured Results (ANT1, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |            |          |            |          | MPR | Max Power |
|----------|--------|---------------|-----------|--------------------|------------|----------|------------|----------|-----|-----------|
|          |        |               |           | 39750              | 40185      | 40620    | 41055      | 41490    |     |           |
|          |        |               |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |     |           |
| 10       | QPSK   | 1             | 0         | 27.2               | 28.1       | 28.1     | 28.2       | 27.1     | 0   | 28.7      |
|          |        | 1             | 25        | 27.3               | 28.2       | 28.2     | 28.2       | 27.2     | 0   | 28.7      |
|          |        | 1             | 49        | 27.3               | 28.1       | 28.1     | 28.3       | 27.1     | 0   | 28.7      |
|          |        | 25            | 0         | 26.7               | 27.6       | 27.6     | 27.7       | 26.7     | 1   | 27.7      |
|          |        | 25            | 12        | 26.7               | 27.7       | 27.6     | 27.7       | 26.7     | 1   | 27.7      |
|          |        | 25            | 25        | 26.7               | 27.7       | 27.5     | 27.7       | 26.6     | 1   | 27.7      |
|          |        | 50            | 0         | 26.7               | 27.7       | 27.6     | 27.7       | 26.7     | 1   | 27.7      |
|          | 16QAM  | 1             | 0         | 26.5               | 27.5       | 27.5     | 27.6       | 26.5     | 1   | 27.7      |
|          |        | 1             | 25        | 26.6               | 27.5       | 27.5     | 27.6       | 26.5     | 1   | 27.7      |
|          |        | 1             | 49        | 26.6               | 27.4       | 27.4     | 27.6       | 26.5     | 1   | 27.7      |
|          |        | 25            | 0         | 25.7               | 26.5       | 26.6     | 26.7       | 25.6     | 2   | 26.7      |
|          |        | 25            | 12        | 25.7               | 26.6       | 26.6     | 26.7       | 25.6     | 2   | 26.7      |
|          |        | 25            | 25        | 25.7               | 26.6       | 26.5     | 26.7       | 25.6     | 2   | 26.7      |
|          |        | 50            | 0         | 25.7               | 26.6       | 26.5     | 26.7       | 25.7     | 2   | 26.7      |
|          | 64QAM  | 1             | 0         | 25.3               | 26.3       | 26.3     | 26.4       | 25.4     | 2   | 26.7      |
|          |        | 1             | 25        | 25.3               | 26.3       | 26.3     | 26.4       | 25.3     | 2   | 26.7      |
|          |        | 1             | 49        | 25.4               | 26.3       | 26.2     | 26.5       | 25.3     | 2   | 26.7      |
|          |        | 25            | 0         | 24.7               | 25.6       | 25.6     | 25.7       | 24.6     | 3   | 25.7      |
|          |        | 25            | 12        | 24.7               | 25.6       | 25.6     | 25.7       | 24.6     | 3   | 25.7      |
|          |        | 25            | 25        | 24.7               | 25.6       | 25.5     | 25.7       | 24.5     | 3   | 25.7      |
|          |        | 50            | 0         | 24.7               | 25.7       | 25.5     | 25.7       | 24.6     | 3   | 25.7      |
|          | 256QAM | 1             | 0         | 22.3               | 23.3       | 23.3     | 23.4       | 22.3     | 5   | 23.7      |
|          |        | 1             | 25        | 22.3               | 23.3       | 23.3     | 23.4       | 22.3     | 5   | 23.7      |
|          |        | 1             | 49        | 22.4               | 23.3       | 23.2     | 23.5       | 22.3     | 5   | 23.7      |
|          |        | 25            | 0         | 22.7               | 23.6       | 23.6     | 23.7       | 22.6     | 5   | 23.7      |
|          |        | 25            | 12        | 22.7               | 23.6       | 23.6     | 23.7       | 22.6     | 5   | 23.7      |
|          |        | 25            | 25        | 22.7               | 23.6       | 23.5     | 23.7       | 22.6     | 5   | 23.7      |
|          |        | 50            | 0         | 22.7               | 23.7       | 23.5     | 23.7       | 22.7     | 5   | 23.7      |
| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |            |          |            |          | MPR | Max Power |
|          |        |               |           | 39750              | 40185      | 40620    | 41055      | 41490    |     |           |
|          |        |               |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |     |           |
| 5        | QPSK   | 1             | 0         | 27.3               | 28.1       | 28.1     | 28.3       | 27.2     | 0   | 28.7      |
|          |        | 1             | 12        | 27.2               | 28.2       | 28.1     | 28.2       | 27.1     | 0   | 28.7      |
|          |        | 1             | 24        | 27.3               | 28.2       | 28.1     | 28.2       | 27.1     | 0   | 28.7      |
|          |        | 12            | 0         | 26.7               | 27.7       | 27.6     | 27.7       | 26.6     | 1   | 27.7      |
|          |        | 12            | 7         | 26.7               | 27.7       | 27.6     | 27.7       | 26.6     | 1   | 27.7      |
|          |        | 12            | 13        | 26.7               | 27.7       | 27.5     | 27.7       | 26.6     | 1   | 27.7      |
|          |        | 25            | 0         | 26.7               | 27.7       | 27.5     | 27.7       | 26.7     | 1   | 27.7      |
|          | 16QAM  | 1             | 0         | 26.6               | 27.5       | 27.5     | 27.7       | 26.4     | 1   | 27.7      |
|          |        | 1             | 12        | 26.5               | 27.5       | 27.4     | 27.7       | 26.4     | 1   | 27.7      |
|          |        | 1             | 24        | 26.6               | 27.5       | 27.5     | 27.7       | 26.4     | 1   | 27.7      |
|          |        | 12            | 0         | 25.7               | 26.6       | 26.6     | 26.7       | 25.6     | 2   | 26.7      |
|          |        | 12            | 7         | 25.7               | 26.6       | 26.6     | 26.7       | 25.5     | 2   | 26.7      |
|          |        | 12            | 13        | 25.6               | 26.6       | 26.5     | 26.7       | 25.5     | 2   | 26.7      |
|          |        | 25            | 0         | 25.7               | 26.6       | 26.5     | 26.7       | 25.5     | 2   | 26.7      |
|          | 64QAM  | 1             | 0         | 25.3               | 26.3       | 26.3     | 26.4       | 25.3     | 2   | 26.7      |
|          |        | 1             | 12        | 25.4               | 26.3       | 26.2     | 26.4       | 25.2     | 2   | 26.7      |
|          |        | 1             | 24        | 25.4               | 26.4       | 26.3     | 26.4       | 25.3     | 2   | 26.7      |
|          |        | 12            | 0         | 24.7               | 25.6       | 25.6     | 25.7       | 24.6     | 3   | 25.7      |
|          |        | 12            | 7         | 24.6               | 25.6       | 25.5     | 25.7       | 24.6     | 3   | 25.7      |
|          |        | 12            | 13        | 24.6               | 25.6       | 25.5     | 25.7       | 24.6     | 3   | 25.7      |
|          |        | 25            | 0         | 24.7               | 25.6       | 25.5     | 25.7       | 24.6     | 3   | 25.7      |
|          | 256QAM | 1             | 0         | 22.3               | 23.3       | 23.3     | 23.4       | 22.3     | 5   | 23.7      |
|          |        | 1             | 12        | 22.4               | 23.3       | 23.2     | 23.4       | 22.3     | 5   | 23.7      |
|          |        | 1             | 24        | 22.3               | 23.3       | 23.2     | 23.4       | 22.2     | 5   | 23.7      |
|          |        | 12            | 0         | 22.7               | 23.6       | 23.6     | 23.7       | 22.6     | 5   | 23.7      |
|          |        | 12            | 7         | 22.7               | 23.6       | 23.5     | 23.7       | 22.6     | 5   | 23.7      |
|          |        | 12            | 13        | 22.7               | 23.6       | 23.5     | 23.7       | 22.6     | 5   | 23.7      |
|          |        | 25            | 0         | 22.7               | 23.6       | 23.5     | 23.7       | 22.6     | 5   | 23.7      |

**LTE Band 41 Power Class 3 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |          |            |          |      |           | Mode B Power (dBm) |            |          |            |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|------------|----------|------------|----------|------|-----------|--------------------|------------|----------|------------|----------|------|-----------|------|
|          |        |               |           | 39750              | 40185      | 40620    | 41055      | 41490    | MPR  | Max Power | 39750              | 40185      | 40620    | 41055      | 41490    | MPR  | Max Power |      |
|          |        |               |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           |      |
| 20       | QPSK   | 1             | 0         | 19.0               | 19.0       | 18.8     | 18.9       | 18.8     | 0    | 20.3      | 19.6               | 19.8       | 19.6     | 19.5       | 19.7     | 0    | 21.2      |      |
|          |        | 1             | 49        | 19.2               | 19.1       | 19.0     | 19.0       | 18.8     | 0    | 20.3      | 19.7               | 19.8       | 19.5     | 19.4       | 19.7     | 0    | 21.2      |      |
|          |        | 1             | 99        | 19.0               | 19.0       | 18.8     | 18.8       | 18.8     | 0    | 20.3      | 19.2               | 19.6       | 19.6     | 19.4       | 19.4     | 0    | 21.2      |      |
|          |        | 50            | 0         | 19.2               | 19.2       | 19.2     | 19.1       | 19.3     | 0    | 20.3      | 19.8               | 19.8       | 19.8     | 19.9       | 19.9     | 0    | 21.2      |      |
|          |        | 50            | 24        | 19.3               | 19.3       | 19.1     | 19.2       | 19.2     | 0    | 20.3      | 19.8               | 19.8       | 19.7     | 19.9       | 19.9     | 0    | 21.2      |      |
|          |        | 50            | 50        | 19.4               | 19.3       | 19.2     | 19.2       | 19.3     | 0    | 20.3      | 19.9               | 19.9       | 19.7     | 20.0       | 20.0     | 0    | 21.2      |      |
|          | 16QAM  | 100           | 0         | 19.4               | 19.4       | 19.2     | 19.2       | 19.3     | 0    | 20.3      | 19.6               | 19.9       | 19.7     | 19.9       | 20.0     | 0    | 21.2      |      |
|          |        | 1             | 0         | 18.9               | 19.0       | 18.7     | 18.7       | 18.8     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 49        | 19.0               | 19.2       | 18.9     | 18.8       | 19.0     | 0    | 20.3      | 19.2               | 19.3       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 99        | 18.9               | 19.0       | 18.5     | 18.8       | 18.9     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 50            | 0         | 19.2               | 19.2       | 19.0     | 19.0       | 19.1     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.5       | 19.6     | 0    | 21.2      |      |
|          |        | 50            | 24        | 19.2               | 19.2       | 19.0     | 19.1       | 19.1     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.6       | 19.6     | 0    | 21.2      |      |
|          | 64QAM  | 50            | 50        | 19.2               | 19.2       | 19.0     | 19.1       | 19.1     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.6       | 19.6     | 0    | 21.2      |      |
|          |        | 100           | 0         | 19.3               | 19.3       | 19.0     | 19.1       | 19.2     | 0    | 20.3      | 19.8               | 19.8       | 19.5     | 19.6       | 19.7     | 0    | 21.2      |      |
|          |        | 1             | 0         | 19.0               | 19.0       | 18.8     | 18.6       | 18.8     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 49        | 19.0               | 19.0       | 18.9     | 18.8       | 18.9     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 99        | 18.9               | 19.0       | 18.6     | 18.9       | 18.9     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 50            | 0         | 19.2               | 19.3       | 19.1     | 19.0       | 19.1     | 0    | 20.3      | 19.6               | 19.6       | 19.4     | 19.4       | 19.5     | 0    | 21.2      |      |
|          | 256QAM | 50            | 24        | 19.2               | 19.3       | 19.0     | 19.0       | 19.1     | 0    | 20.3      | 19.6               | 19.6       | 19.3     | 19.4       | 19.5     | 0    | 21.2      |      |
|          |        | 50            | 50        | 19.3               | 19.3       | 19.0     | 19.2       | 19.1     | 0    | 20.3      | 19.6               | 19.6       | 19.4     | 19.5       | 19.4     | 0    | 21.2      |      |
|          |        | 100           | 0         | 19.3               | 19.3       | 19.0     | 19.1       | 19.0     | 0    | 20.3      | 19.6               | 19.6       | 19.3     | 19.5       | 19.4     | 0    | 21.2      |      |
|          |        | 1             | 0         | 19.0               | 18.8       | 18.7     | 18.8       | 18.7     | 0    | 20.3      | 19.0               | 18.8       | 18.8     | 18.9       | 18.7     | 0.5  | 20.7      |      |
|          |        | 1             | 49        | 19.2               | 19.0       | 18.8     | 18.9       | 18.8     | 0    | 20.3      | 19.1               | 19.0       | 18.8     | 19.0       | 18.9     | 0.5  | 20.7      |      |
|          |        | 1             | 99        | 19.1               | 18.9       | 18.5     | 19.0       | 18.7     | 0    | 20.3      | 19.0               | 18.9       | 18.7     | 19.0       | 18.7     | 0.5  | 20.7      |      |
|          | 15     | QPSK          | 50        | 0                  | 19.3       | 19.3     | 19.0       | 19.0     | 19.1 | 0         | 20.3               | 19.6       | 19.6     | 19.4       | 19.4     | 19.5 | 0.5       | 20.7 |
|          |        |               | 50        | 24                 | 19.2       | 19.3     | 19.0       | 19.0     | 19.1 | 0         | 20.3               | 19.6       | 19.6     | 19.3       | 19.4     | 19.5 | 0.5       | 20.7 |
|          |        |               | 50        | 50                 | 19.3       | 19.3     | 19.0       | 19.1     | 19.0 | 0         | 20.3               | 19.6       | 19.6     | 19.3       | 19.5     | 19.4 | 0.5       | 20.7 |
|          |        |               | 100       | 0                  | 19.3       | 19.3     | 19.0       | 19.1     | 19.0 | 0         | 20.3               | 19.6       | 19.6     | 19.3       | 19.5     | 19.4 | 0.5       | 20.7 |
|          |        |               | 1         | 0                  | 19.0       | 19.0     | 18.9       | 18.9     | 18.8 | 0         | 20.3               | 19.2       | 19.2     | 19.2       | 19.2     | 19.2 | 0         | 21.2 |
|          |        |               | 1         | 37                 | 19.0       | 19.0     | 18.8       | 18.8     | 18.9 | 0         | 20.3               | 19.2       | 19.2     | 19.2       | 19.2     | 19.2 | 0         | 21.2 |
| 16QAM    |        | 1             | 74        | 19.0               | 18.9       | 18.6     | 18.8       | 18.8     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 36            | 0         | 19.2               | 19.2       | 19.0     | 19.0       | 19.1     | 0    | 20.3      | 19.7               | 19.7       | 19.6     | 19.5       | 19.6     | 0    | 21.2      |      |
|          |        | 36            | 20        | 19.2               | 19.2       | 19.0     | 19.0       | 19.1     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.5       | 19.6     | 0    | 21.2      |      |
|          |        | 36            | 39        | 19.2               | 19.2       | 18.9     | 19.1       | 19.1     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.6       | 19.6     | 0    | 21.2      |      |
|          |        | 75            | 0         | 19.2               | 19.2       | 19.0     | 19.0       | 19.1     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.5       | 19.6     | 0    | 21.2      |      |
|          |        | 1             | 0         | 19.0               | 19.0       | 18.9     | 18.7       | 18.8     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
| 64QAM    |        | 1             | 37        | 18.9               | 19.0       | 18.8     | 18.8       | 18.8     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 74        | 19.0               | 18.9       | 18.7     | 18.9       | 18.7     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 36            | 0         | 19.2               | 19.2       | 19.0     | 19.1       | 19.1     | 0    | 20.3      | 19.7               | 19.8       | 19.5     | 19.6       | 19.6     | 0    | 21.2      |      |
|          |        | 36            | 20        | 19.2               | 19.2       | 19.0     | 19.1       | 19.1     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.6       | 19.6     | 0    | 21.2      |      |
|          |        | 36            | 39        | 19.2               | 19.2       | 19.0     | 19.1       | 19.1     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.6       | 19.6     | 0    | 21.2      |      |
|          |        | 75            | 0         | 19.2               | 19.3       | 19.0     | 19.1       | 19.1     | 0    | 20.3      | 19.7               | 19.8       | 19.5     | 19.6       | 19.6     | 0    | 21.2      |      |
| 256QAM   |        | 1             | 0         | 19.1               | 19.0       | 19.0     | 18.9       | 18.9     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 37        | 19.1               | 19.0       | 18.8     | 18.9       | 18.8     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 74        | 19.2               | 18.9       | 18.8     | 19.1       | 18.9     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 36            | 0         | 19.3               | 19.3       | 19.1     | 19.1       | 19.1     | 0    | 20.3      | 19.7               | 19.6       | 19.4     | 19.4       | 19.5     | 0    | 21.2      |      |
|          |        | 36            | 20        | 19.3               | 19.3       | 19.1     | 19.1       | 19.1     | 0    | 20.3      | 19.6               | 19.6       | 19.4     | 19.4       | 19.5     | 0    | 21.2      |      |
|          |        | 36            | 39        | 19.3               | 19.3       | 19.0     | 19.2       | 19.1     | 0    | 20.3      | 19.6               | 19.6       | 19.3     | 19.5       | 19.5     | 0    | 21.2      |      |
| 256QAM   |        | 75            | 0         | 19.3               | 19.3       | 19.0     | 19.1       | 19.2     | 0    | 20.3      | 19.7               | 19.6       | 19.4     | 19.4       | 19.5     | 0    | 21.2      |      |
|          |        | 1             | 0         | 19.2               | 19.0       | 18.9     | 19.0       | 18.9     | 0    | 20.3      | 19.2               | 19.0       | 19.0     | 18.9       | 18.9     | 0.5  | 20.7      |      |
|          |        | 1             | 37        | 19.2               | 19.0       | 18.8     | 19.0       | 18.9     | 0    | 20.3      | 19.1               | 19.1       | 18.7     | 19.0       | 19.0     | 0.5  | 20.7      |      |
|          |        | 1             | 74        | 19.1               | 19.1       | 18.7     | 19.1       | 18.9     | 0    | 20.3      | 19.2               | 19.1       | 18.7     | 19.2       | 18.9     | 0.5  | 20.7      |      |
|          |        | 36            | 0         | 19.3               | 19.3       | 19.1     | 19.0       | 19.1     | 0    | 20.3      | 19.6               | 19.6       | 19.4     | 19.4       | 19.5     | 0.5  | 20.7      |      |
|          |        | 36            | 20        | 19.3               | 19.3       | 19.1     | 19.1       | 19.1     | 0    | 20.3      | 19.6               | 19.6       | 19.4     | 19.4       | 19.5     | 0.5  | 20.7      |      |

**LTE Band 41 Power Class 3 Measured Results (ANT2, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |            |          |            |          |      |           | Mode B Power (dBm) |            |          |            |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|------------|----------|------------|----------|------|-----------|--------------------|------------|----------|------------|----------|------|-----------|------|
|          |        |               |           | 39750              | 40185      | 40620    | 41055      | 41490    | MPR  | Max Power | 39750              | 40185      | 40620    | 41055      | 41490    | MPR  | Max Power |      |
|          |        |               |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           |      |
| 10       | QPSK   | 1             | 0         | 19.0               | 19.0       | 18.9     | 18.8       | 19.0     | 0    | 20.3      | 19.2               | 19.3       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 25        | 19.0               | 19.1       | 18.8     | 18.8       | 19.0     | 0    | 20.3      | 19.2               | 19.3       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 49        | 19.0               | 19.0       | 18.8     | 18.9       | 18.8     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 25            | 0         | 19.3               | 19.3       | 19.1     | 19.1       | 19.2     | 0    | 20.3      | 19.7               | 19.8       | 19.6     | 19.6       | 19.7     | 0    | 21.2      |      |
|          |        | 25            | 12        | 19.2               | 19.2       | 19.1     | 19.1       | 19.2     | 0    | 20.3      | 19.7               | 19.8       | 19.6     | 19.6       | 19.7     | 0    | 21.2      |      |
|          |        | 25            | 25        | 19.2               | 19.3       | 19.0     | 19.1       | 19.2     | 0    | 20.3      | 19.7               | 19.8       | 19.5     | 19.7       | 19.7     | 0    | 21.2      |      |
|          | 16QAM  | 1             | 0         | 19.1               | 19.1       | 18.9     | 19.0       | 18.9     | 0    | 20.3      | 19.3               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 25        | 19.2               | 19.0       | 18.9     | 18.9       | 18.9     | 0    | 20.3      | 19.3               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 49        | 19.2               | 19.0       | 18.9     | 19.0       | 18.9     | 0    | 20.3      | 19.3               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 25            | 0         | 19.2               | 19.2       | 19.1     | 19.1       | 19.2     | 0    | 20.3      | 19.8               | 19.8       | 19.6     | 19.6       | 19.7     | 0    | 21.2      |      |
|          |        | 25            | 12        | 19.2               | 19.2       | 19.1     | 19.1       | 19.2     | 0    | 20.3      | 19.8               | 19.8       | 19.6     | 19.6       | 19.7     | 0    | 21.2      |      |
|          |        | 25            | 25        | 19.2               | 19.2       | 19.0     | 19.2       | 19.2     | 0    | 20.3      | 19.7               | 19.8       | 19.5     | 19.7       | 19.7     | 0    | 21.2      |      |
|          | 64QAM  | 1             | 0         | 19.3               | 19.1       | 19.1     | 19.1       | 19.0     | 0    | 20.3      | 19.3               | 19.3       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 25        | 19.2               | 19.1       | 19.1     | 19.2       | 19.0     | 0    | 20.3      | 19.2               | 19.3       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 49        | 19.3               | 19.2       | 19.1     | 19.3       | 19.0     | 0    | 20.3      | 19.3               | 19.2       | 19.2     | 19.3       | 19.2     | 0    | 21.2      |      |
|          |        | 25            | 0         | 19.4               | 19.4       | 19.2     | 19.2       | 19.3     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.5       | 19.6     | 0    | 21.2      |      |
|          |        | 25            | 12        | 19.3               | 19.4       | 19.2     | 19.2       | 19.3     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.5       | 19.6     | 0    | 21.2      |      |
|          |        | 25            | 25        | 19.3               | 19.4       | 19.1     | 19.3       | 19.3     | 0    | 20.3      | 19.6               | 19.7       | 19.4     | 19.6       | 19.6     | 0    | 21.2      |      |
|          | 256QAM | 1             | 0         | 19.4               | 19.4       | 19.2     | 19.3       | 19.3     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.5       | 19.6     | 0    | 21.2      |      |
|          |        | 1             | 25        | 19.2               | 19.3       | 19.0     | 19.0       | 19.2     | 0    | 20.3      | 19.1               | 19.1       | 19.0     | 19.0       | 19.0     | 0.5  | 20.7      |      |
|          |        | 1             | 49        | 19.2               | 19.2       | 19.0     | 19.2       | 19.0     | 0    | 20.3      | 19.1               | 19.1       | 18.9     | 19.1       | 18.9     | 0.5  | 20.7      |      |
|          |        | 25            | 0         | 19.4               | 19.4       | 19.2     | 19.2       | 19.3     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.5       | 19.5     | 0.5  | 20.7      |      |
|          |        | 25            | 12        | 19.4               | 19.4       | 19.2     | 19.2       | 19.3     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.5       | 19.5     | 0.5  | 20.7      |      |
|          |        | 25            | 25        | 19.4               | 19.4       | 19.1     | 19.3       | 19.3     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.6       | 19.5     | 0.5  | 20.7      |      |
|          | 5      | QPSK          | 1         | 0                  | 19.0       | 19.1     | 19.0       | 18.8     | 18.9 | 0         | 20.3               | 19.2       | 19.2     | 19.2       | 19.2     | 19.2 | 0         | 21.2 |
|          |        |               | 1         | 12                 | 19.0       | 19.1     | 18.8       | 18.9     | 18.9 | 0         | 20.3               | 19.2       | 19.3     | 19.2       | 19.2     | 19.2 | 0         | 21.2 |
|          |        |               | 1         | 24                 | 18.9       | 19.0     | 18.9       | 18.9     | 18.9 | 0         | 20.3               | 19.2       | 19.2     | 19.2       | 19.2     | 19.2 | 0         | 21.2 |
|          |        |               | 12        | 0                  | 19.2       | 19.2     | 19.1       | 19.0     | 19.1 | 0         | 20.3               | 19.7       | 19.8     | 19.6       | 19.5     | 19.6 | 0         | 21.2 |
|          |        |               | 12        | 7                  | 19.2       | 19.2     | 19.1       | 19.0     | 19.1 | 0         | 20.3               | 19.7       | 19.7     | 19.6       | 19.5     | 19.6 | 0         | 21.2 |
|          |        |               | 12        | 13                 | 19.2       | 19.2     | 19.0       | 19.0     | 19.1 | 0         | 20.3               | 19.7       | 19.8     | 19.5       | 19.5     | 19.6 | 0         | 21.2 |
| 16QAM    |        | 25            | 0         | 19.2               | 19.2       | 19.0     | 19.0       | 19.1     | 0    | 20.3      | 19.7               | 19.8       | 19.5     | 19.6       | 19.6     | 0    | 21.2      |      |
|          |        | 1             | 0         | 19.0               | 19.1       | 19.1     | 18.9       | 19.0     | 0    | 20.3      | 19.2               | 19.4       | 19.3     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 12        | 18.9               | 18.9       | 19.0     | 18.8       | 19.0     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 24        | 19.0               | 19.1       | 19.0     | 18.9       | 19.0     | 0    | 20.3      | 19.2               | 19.4       | 19.3     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 12            | 0         | 19.2               | 19.2       | 19.1     | 19.1       | 19.1     | 0    | 20.3      | 19.6               | 19.7       | 19.6     | 19.6       | 19.6     | 0    | 21.2      |      |
|          |        | 12            | 7         | 19.1               | 19.2       | 19.1     | 19.1       | 19.1     | 0    | 20.3      | 19.7               | 19.7       | 19.6     | 19.5       | 19.6     | 0    | 21.2      |      |
| 64QAM    |        | 12            | 13        | 19.2               | 19.2       | 19.0     | 19.1       | 19.1     | 0    | 20.3      | 19.7               | 19.7       | 19.5     | 19.6       | 19.6     | 0    | 21.2      |      |
|          |        | 25            | 0         | 19.2               | 19.2       | 19.0     | 19.1       | 19.1     | 0    | 20.3      | 19.7               | 19.8       | 19.5     | 19.6       | 19.6     | 0    | 21.2      |      |
|          |        | 1             | 0         | 19.1               | 19.4       | 19.2     | 19.1       | 19.1     | 0    | 20.3      | 19.2               | 19.3       | 19.2     | 19.2       | 19.3     | 0    | 21.2      |      |
|          |        | 1             | 12        | 19.1               | 19.2       | 19.0     | 19.2       | 19.1     | 0    | 20.3      | 19.2               | 19.3       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 1             | 24        | 19.2               | 19.2       | 19.1     | 19.2       | 19.1     | 0    | 20.3      | 19.2               | 19.2       | 19.2     | 19.2       | 19.2     | 0    | 21.2      |      |
|          |        | 12            | 0         | 19.2               | 19.4       | 19.2     | 19.2       | 19.2     | 0    | 20.3      | 19.6               | 19.6       | 19.5     | 19.4       | 19.4     | 0    | 21.2      |      |
| 256QAM   |        | 12            | 7         | 19.3               | 19.3       | 19.2     | 19.2       | 19.2     | 0    | 20.3      | 19.6               | 19.6       | 19.5     | 19.4       | 19.5     | 0    | 21.2      |      |
|          |        | 12            | 13        | 19.2               | 19.3       | 19.1     | 19.2       | 19.2     | 0    | 20.3      | 19.5               | 19.6       | 19.4     | 19.4       | 19.4     | 0    | 21.2      |      |
|          |        | 25            | 0         | 19.3               | 19.3       | 19.1     | 19.2       | 19.2     | 0    | 20.3      | 19.6               | 19.7       | 19.4     | 19.4       | 19.4     | 0    | 21.2      |      |
|          |        | 1             | 0         | 19.1               | 19.2       | 19.0     | 18.9       | 19.0     | 0    | 20.3      | 19.1               | 19.1       | 18.9     | 18.9       | 19.2     | 0.5  | 20.7      |      |
|          |        | 1             | 12        | 19.1               | 19.1       | 18.8     | 18.9       | 19.0     | 0    | 20.3      | 19.0               | 19.1       | 19.0     | 19.2       | 19.1     | 0.5  | 20.7      |      |
|          |        | 1             | 24        | 19.1               | 19.2       | 19.0     | 19.1       | 19.0     | 0    | 20.3      | 18.9               | 19.2       | 18.8     | 19.0       | 19.0     | 0.5  | 20.7      |      |

**LTE Band 41 Power Class 3 Measured Results (ANT3, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |          |            |          |      |           | Mode B Power (dBm) |            |          |            |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|------------|----------|------------|----------|------|-----------|--------------------|------------|----------|------------|----------|------|-----------|------|
|          |        |               |           | 39750              | 40185      | 40620    | 41055      | 41490    | MPR  | Max Power | 39750              | 40185      | 40620    | 41055      | 41490    | MPR  | Max Power |      |
|          |        |               |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           |      |
| 20       | QPSK   | 1             | 0         | 24.4               | 24.5       | 24.4     | 24.1       | 24.5     | 0    | 25.7      | 22.2               | 22.3       | 22.2     | 22.0       | 22.3     | 0    | 23.4      |      |
|          |        | 1             | 49        | 24.5               | 24.5       | 24.5     | 24.4       | 24.7     | 0    | 25.7      | 22.3               | 22.4       | 22.5     | 22.3       | 22.7     | 0    | 23.4      |      |
|          |        | 1             | 99        | 24.3               | 24.3       | 24.2     | 24.4       | 24.6     | 0    | 25.7      | 22.3               | 22.1       | 22.1     | 22.2       | 22.5     | 0    | 23.4      |      |
|          |        | 50            | 0         | 24.5               | 24.4       | 24.3     | 24.4       | 24.6     | 1    | 24.7      | 22.4               | 22.4       | 22.4     | 22.2       | 22.5     | 0    | 23.4      |      |
|          |        | 50            | 24        | 24.4               | 24.3       | 24.3     | 24.3       | 24.7     | 1    | 24.7      | 22.4               | 22.4       | 22.4     | 22.2       | 22.6     | 0    | 23.4      |      |
|          |        | 50            | 50        | 24.4               | 24.3       | 24.3     | 24.4       | 24.6     | 1    | 24.7      | 22.4               | 22.3       | 22.3     | 22.3       | 22.6     | 0    | 23.4      |      |
|          | 16QAM  | 100           | 0         | 24.5               | 24.4       | 24.3     | 24.4       | 24.7     | 1    | 24.7      | 22.4               | 22.4       | 22.4     | 22.3       | 22.7     | 0    | 23.4      |      |
|          |        | 1             | 0         | 23.7               | 23.8       | 23.8     | 23.8       | 24.1     | 1    | 24.7      | 22.1               | 22.2       | 22.0     | 21.9       | 22.3     | 0    | 23.4      |      |
|          |        | 1             | 49        | 23.9               | 23.8       | 23.9     | 24.0       | 24.3     | 1    | 24.7      | 22.2               | 22.2       | 22.2     | 22.2       | 22.5     | 0    | 23.4      |      |
|          |        | 1             | 99        | 23.7               | 23.6       | 23.8     | 23.9       | 24.1     | 1    | 24.7      | 22.0               | 22.1       | 21.9     | 22.2       | 22.3     | 0    | 23.4      |      |
|          |        | 50            | 0         | 23.2               | 23.2       | 23.2     | 23.3       | 23.5     | 2    | 23.7      | 22.2               | 22.2       | 22.1     | 22.1       | 22.2     | 0    | 23.4      |      |
|          |        | 50            | 24        | 23.2               | 23.1       | 23.3     | 23.3       | 23.5     | 2    | 23.7      | 22.2               | 22.2       | 22.1     | 22.1       | 22.3     | 0    | 23.4      |      |
|          | 64QAM  | 50            | 50        | 23.3               | 23.1       | 23.3     | 23.4       | 23.5     | 2    | 23.7      | 22.1               | 22.2       | 22.1     | 22.1       | 22.3     | 0    | 23.4      |      |
|          |        | 100           | 0         | 23.3               | 23.2       | 23.3     | 23.4       | 23.6     | 2    | 23.7      | 22.2               | 22.2       | 22.1     | 22.1       | 22.4     | 0    | 23.4      |      |
|          |        | 1             | 0         | 22.6               | 22.3       | 22.3     | 22.3       | 22.5     | 2    | 23.7      | 22.1               | 22.1       | 22.1     | 22.2       | 22.5     | 0    | 23.4      |      |
|          |        | 1             | 49        | 22.7               | 22.2       | 22.3     | 22.4       | 22.6     | 2    | 23.7      | 22.2               | 22.2       | 22.2     | 22.2       | 22.6     | 0    | 23.4      |      |
|          |        | 1             | 99        | 22.6               | 22.0       | 22.3     | 22.4       | 22.6     | 2    | 23.7      | 22.1               | 22.0       | 22.2     | 22.3       | 22.4     | 0    | 23.4      |      |
|          |        | 50            | 0         | 22.2               | 22.2       | 22.1     | 22.3       | 22.5     | 3    | 22.7      | 22.2               | 22.1       | 22.1     | 22.3       | 22.5     | 0.7  | 22.7      |      |
|          | 256QAM | 50            | 24        | 22.2               | 22.1       | 22.2     | 22.3       | 22.5     | 3    | 22.7      | 22.2               | 22.2       | 22.2     | 22.3       | 22.5     | 0.7  | 22.7      |      |
|          |        | 50            | 50        | 22.3               | 22.1       | 22.2     | 22.3       | 22.5     | 3    | 22.7      | 22.2               | 22.2       | 22.2     | 22.3       | 22.5     | 0.7  | 22.7      |      |
|          |        | 100           | 0         | 22.3               | 22.2       | 22.3     | 22.4       | 22.6     | 3    | 22.7      | 22.2               | 22.2       | 22.3     | 22.4       | 22.6     | 0.7  | 22.7      |      |
|          |        | 1             | 0         | 19.8               | 19.7       | 19.7     | 19.9       | 19.9     | 5    | 20.7      | 19.8               | 19.6       | 19.7     | 19.9       | 20.0     | 2.7  | 20.7      |      |
|          |        | 1             | 49        | 20.0               | 19.6       | 19.8     | 20.1       | 20.1     | 5    | 20.7      | 19.9               | 19.6       | 19.7     | 20.2       | 20.2     | 2.7  | 20.7      |      |
|          |        | 1             | 99        | 19.8               | 19.5       | 19.8     | 20.0       | 19.9     | 5    | 20.7      | 19.8               | 19.5       | 19.8     | 20.1       | 20.0     | 2.7  | 20.7      |      |
|          | 15     | QPSK          | 50        | 0                  | 20.2       | 20.2     | 20.2       | 20.3     | 20.5 | 5         | 20.7               | 20.2       | 20.2     | 20.2       | 20.4     | 20.5 | 2.7       | 20.7 |
|          |        |               | 50        | 24                 | 20.2       | 20.1     | 20.2       | 20.3     | 20.5 | 5         | 20.7               | 20.2       | 20.1     | 20.3       | 20.4     | 20.6 | 2.7       | 20.7 |
|          |        |               | 50        | 50                 | 20.3       | 20.1     | 20.2       | 20.3     | 20.5 | 5         | 20.7               | 20.3       | 20.1     | 20.3       | 20.4     | 20.5 | 2.7       | 20.7 |
|          |        |               | 100       | 0                  | 20.3       | 20.2     | 20.3       | 20.4     | 20.6 | 5         | 20.7               | 20.3       | 20.2     | 20.4       | 20.4     | 20.7 | 2.7       | 20.7 |
|          |        |               | 1         | 0                  | 24.4       | 24.3     | 24.5       | 24.5     | 24.7 | 0         | 25.7               | 22.3       | 22.3     | 22.3       | 22.4     | 22.6 | 0         | 23.4 |
|          |        |               | 1         | 37                 | 24.4       | 24.2     | 24.5       | 24.6     | 24.7 | 0         | 25.7               | 22.3       | 22.2     | 22.4       | 22.5     | 22.6 | 0         | 23.4 |
| 16QAM    | 1      | 74            | 24.4      | 24.2               | 24.5       | 24.6     | 24.7       | 0        | 25.7 | 22.3      | 22.2               | 22.4       | 22.4     | 22.6       | 0        | 23.4 |           |      |
|          | 36     | 0             | 24.3      | 24.3               | 24.2       | 24.4     | 24.6       | 1        | 24.7 | 22.3      | 22.3               | 22.3       | 22.5     | 22.6       | 0        | 23.4 |           |      |
|          | 36     | 20            | 24.3      | 24.2               | 24.2       | 24.4     | 24.6       | 1        | 24.7 | 22.3      | 22.2               | 22.3       | 22.5     | 22.7       | 0        | 23.4 |           |      |
|          | 36     | 39            | 24.3      | 24.2               | 24.3       | 24.4     | 24.6       | 1        | 24.7 | 22.3      | 22.2               | 22.4       | 22.5     | 22.7       | 0        | 23.4 |           |      |
|          | 75     | 0             | 24.3      | 24.2               | 24.3       | 24.4     | 24.7       | 1        | 24.7 | 22.4      | 22.3               | 22.4       | 22.5     | 22.7       | 0        | 23.4 |           |      |
|          | 1      | 0             | 23.8      | 23.8               | 23.9       | 23.9     | 24.1       | 1        | 24.7 | 22.3      | 22.2               | 22.4       | 22.4     | 22.6       | 0        | 23.4 |           |      |
| 64QAM    | 1      | 37            | 23.8      | 23.6               | 23.9       | 24.0     | 24.1       | 1        | 24.7 | 22.2      | 22.2               | 22.4       | 22.5     | 22.6       | 0        | 23.4 |           |      |
|          | 1      | 74            | 23.8      | 23.7               | 24.0       | 24.1     | 24.0       | 1        | 24.7 | 22.1      | 22.1               | 22.4       | 22.5     | 22.6       | 0        | 23.4 |           |      |
|          | 36     | 0             | 23.2      | 23.2               | 23.2       | 23.4     | 23.5       | 2        | 23.7 | 22.3      | 22.2               | 22.3       | 22.4     | 22.6       | 0        | 23.4 |           |      |
|          | 36     | 20            | 23.2      | 23.1               | 23.2       | 23.4     | 23.6       | 2        | 23.7 | 22.3      | 22.2               | 22.3       | 22.4     | 22.6       | 0        | 23.4 |           |      |
|          | 36     | 39            | 23.2      | 23.1               | 23.2       | 23.4     | 23.6       | 2        | 23.7 | 22.3      | 22.2               | 22.3       | 22.4     | 22.6       | 0        | 23.4 |           |      |
|          | 75     | 0             | 23.2      | 23.2               | 23.3       | 23.4     | 23.6       | 2        | 23.7 | 22.3      | 22.2               | 22.4       | 22.5     | 22.7       | 0        | 23.4 |           |      |
| 256QAM   | 1      | 0             | 22.8      | 22.4               | 22.5       | 22.4     | 22.7       | 2        | 23.7 | 22.2      | 22.3               | 22.4       | 22.4     | 22.6       | 0        | 23.4 |           |      |
|          | 1      | 37            | 22.7      | 22.2               | 22.5       | 22.5     | 22.7       | 2        | 23.7 | 22.2      | 22.2               | 22.5       | 22.4     | 22.6       | 0        | 23.4 |           |      |
|          | 1      | 74            | 22.6      | 22.3               | 22.5       | 22.6     | 22.7       | 2        | 23.7 | 22.3      | 22.2               | 22.4       | 22.5     | 22.6       | 0        | 23.4 |           |      |
|          | 36     | 0             | 22.2      | 22.2               | 22.1       | 22.3     | 22.5       | 3        | 22.7 | 22.2      | 22.1               | 22.1       | 22.3     | 22.4       | 0.7      | 22.7 |           |      |
|          | 36     | 20            | 22.2      | 22.1               | 22.1       | 22.3     | 22.5       | 3        | 22.7 | 22.2      | 22.1               | 22.1       | 22.3     | 22.5       | 0.7      | 22.7 |           |      |
|          | 36     | 39            | 22.2      | 22.1               | 22.2       | 22.3     | 22.5       | 3        | 22.7 | 22.1      | 22.1               | 22.2       | 22.3     | 22.5       | 0.7      | 22.7 |           |      |
| 15       | 256QAM | 75            | 0         | 22.2               | 22.2       | 22.3     | 22.4       | 22.6     | 3    | 22.7      | 22.2               | 22.1       | 22.2     | 22.3       | 22.6     | 0.7  | 22.7      |      |
|          |        | 1             | 0         | 19.9               | 19.8       | 19.8     | 20.1       | 20.1     | 5    | 20.7      | 19.8               | 19.8       | 19.8     | 20.0       | 20.2     | 2.7  | 20.7      |      |
|          |        | 1             | 37        | 19.8               | 19.7       | 19.9     | 19.9       | 20.1     | 5    | 20.7      | 19.8               | 19.6       | 19.8     | 20.0       | 20.1     | 2.7  | 20.7      |      |
|          |        | 1             | 74        | 19.8               | 19.7       | 19.9     | 20.0       | 20.2     | 5    | 20.7      | 19.9               | 19.7       | 19.9     | 20.0       | 20.2     | 2.7  | 20.7      |      |
|          |        | 36            | 0         | 20.2               | 20.2       | 20.2     | 20.3       | 20.5     | 5    | 20.7      | 20.2               | 20.1       | 20.1     | 20.3       | 20.5     | 2.7  | 20.7      |      |
|          |        | 36            | 20        | 20.2               | 20.2       | 20.2     | 20.3       | 20.5     | 5    | 20.7      | 20.2               | 20.1       | 20.2     | 20.3       | 20.5     | 2.7  | 20.7      |      |

**LTE Band 41 Power Class 3 Measured Results (ANT3, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |            |          |            |          |      |           | Mode B Power (dBm) |            |          |            |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|------------|----------|------------|----------|------|-----------|--------------------|------------|----------|------------|----------|------|-----------|------|
|          |        |               |           | 39750              | 40185      | 40620    | 41055      | 41490    | MPR  | Max Power | 39750              | 40185      | 40620    | 41055      | 41490    | MPR  | Max Power |      |
|          |        |               |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           |      |
| 10       | QPSK   | 1             | 0         | 24.5               | 24.5       | 24.5     | 24.8       | 24.8     | 0    | 25.7      | 22.4               | 22.4       | 22.4     | 22.5       | 22.8     | 0    | 23.4      |      |
|          |        | 1             | 25        | 24.5               | 24.4       | 24.5     | 24.7       | 24.9     | 0    | 25.7      | 22.4               | 22.3       | 22.5     | 22.6       | 22.8     | 0    | 23.4      |      |
|          |        | 1             | 49        | 24.5               | 24.5       | 24.7     | 24.6       | 24.8     | 0    | 25.7      | 22.4               | 22.3       | 22.5     | 22.6       | 22.7     | 0    | 23.4      |      |
|          |        | 25            | 0         | 24.4               | 24.4       | 24.4     | 24.6       | 24.7     | 1    | 24.7      | 22.5               | 22.5       | 22.5     | 22.6       | 22.9     | 0    | 23.4      |      |
|          |        | 25            | 12        | 24.4               | 24.4       | 24.4     | 24.6       | 24.7     | 1    | 24.7      | 22.5               | 22.4       | 22.5     | 22.6       | 22.9     | 0    | 23.4      |      |
|          |        | 25            | 25        | 24.4               | 24.4       | 24.5     | 24.6       | 24.7     | 1    | 24.7      | 22.5               | 22.4       | 22.5     | 22.7       | 22.9     | 0    | 23.4      |      |
|          | 16QAM  | 1             | 0         | 24.0               | 23.8       | 24.0     | 24.2       | 24.2     | 1    | 24.7      | 22.5               | 22.3       | 22.4     | 22.6       | 22.8     | 0    | 23.4      |      |
|          |        | 1             | 25        | 24.0               | 23.8       | 24.1     | 24.2       | 24.2     | 1    | 24.7      | 22.4               | 22.3       | 22.4     | 22.7       | 22.8     | 0    | 23.4      |      |
|          |        | 1             | 49        | 24.1               | 23.8       | 24.0     | 24.2       | 24.1     | 1    | 24.7      | 22.6               | 22.2       | 22.5     | 22.6       | 22.7     | 0    | 23.4      |      |
|          |        | 25            | 0         | 23.3               | 23.3       | 23.3     | 23.5       | 23.7     | 2    | 23.7      | 22.4               | 22.4       | 22.4     | 22.6       | 22.8     | 0    | 23.4      |      |
|          |        | 25            | 12        | 23.3               | 23.3       | 23.3     | 23.5       | 23.7     | 2    | 23.7      | 22.4               | 22.3       | 22.4     | 22.6       | 22.8     | 0    | 23.4      |      |
|          |        | 25            | 25        | 23.3               | 23.3       | 23.4     | 23.5       | 23.7     | 2    | 23.7      | 22.4               | 22.3       | 22.5     | 22.6       | 22.8     | 0    | 23.4      |      |
|          | 64QAM  | 1             | 0         | 22.8               | 22.5       | 22.7     | 22.5       | 22.8     | 2    | 23.7      | 22.4               | 22.4       | 22.5     | 22.5       | 22.7     | 0    | 23.4      |      |
|          |        | 1             | 25        | 22.8               | 22.4       | 22.6     | 22.5       | 22.8     | 2    | 23.7      | 22.4               | 22.3       | 22.4     | 22.6       | 22.7     | 0    | 23.4      |      |
|          |        | 1             | 49        | 23.0               | 22.4       | 22.6     | 22.6       | 22.9     | 2    | 23.7      | 22.5               | 22.3       | 22.6     | 22.6       | 22.8     | 0    | 23.4      |      |
|          |        | 25            | 0         | 22.3               | 22.3       | 22.3     | 22.5       | 22.6     | 3    | 22.7      | 22.4               | 22.3       | 22.3     | 22.5       | 22.7     | 0.7  | 22.7      |      |
|          |        | 25            | 12        | 22.3               | 22.2       | 22.3     | 22.5       | 22.6     | 3    | 22.7      | 22.4               | 22.2       | 22.3     | 22.5       | 22.7     | 0.7  | 22.7      |      |
|          |        | 25            | 25        | 22.3               | 22.2       | 22.4     | 22.5       | 22.7     | 3    | 22.7      | 22.3               | 22.2       | 22.4     | 22.5       | 22.7     | 0.7  | 22.7      |      |
|          | 256QAM | 1             | 0         | 20.0               | 19.9       | 19.9     | 20.1       | 20.3     | 5    | 20.7      | 20.0               | 20.0       | 20.0     | 20.1       | 20.3     | 2.7  | 20.7      |      |
|          |        | 1             | 25        | 19.9               | 19.9       | 20.0     | 20.0       | 20.3     | 5    | 20.7      | 20.0               | 19.8       | 19.9     | 20.1       | 20.2     | 2.7  | 20.7      |      |
|          |        | 1             | 49        | 20.0               | 19.9       | 20.0     | 20.1       | 20.3     | 5    | 20.7      | 20.2               | 19.9       | 20.1     | 20.1       | 20.3     | 2.7  | 20.7      |      |
|          |        | 25            | 0         | 20.3               | 20.3       | 20.3     | 20.5       | 20.7     | 5    | 20.7      | 20.3               | 20.3       | 20.3     | 20.4       | 20.7     | 2.7  | 20.7      |      |
|          |        | 25            | 12        | 20.3               | 20.2       | 20.3     | 20.5       | 20.7     | 5    | 20.7      | 20.3               | 20.2       | 20.3     | 20.4       | 20.6     | 2.7  | 20.7      |      |
|          |        | 25            | 25        | 20.3               | 20.2       | 20.4     | 20.5       | 20.7     | 5    | 20.7      | 20.3               | 20.2       | 20.4     | 20.5       | 20.7     | 2.7  | 20.7      |      |
|          | 5      | QPSK          | 1         | 0                  | 24.4       | 24.4     | 24.6       | 24.6     | 24.9 | 0         | 25.7               | 22.4       | 22.4     | 22.4       | 22.6     | 22.7 | 0         | 23.4 |
|          |        |               | 1         | 12                 | 24.5       | 24.4     | 24.6       | 24.9     | 24.8 | 0         | 25.7               | 22.3       | 22.3     | 22.5       | 22.5     | 22.7 | 0         | 23.4 |
|          |        |               | 1         | 24                 | 24.5       | 24.4     | 24.6       | 24.7     | 24.9 | 0         | 25.7               | 22.3       | 22.3     | 22.5       | 22.6     | 22.7 | 0         | 23.4 |
|          |        |               | 12        | 0                  | 24.4       | 24.3     | 24.4       | 24.5     | 24.7 | 1         | 24.7               | 22.4       | 22.4     | 22.4       | 22.6     | 22.8 | 0         | 23.4 |
|          |        |               | 12        | 7                  | 24.3       | 24.3     | 24.4       | 24.5     | 24.7 | 1         | 24.7               | 22.4       | 22.3     | 22.4       | 22.6     | 22.8 | 0         | 23.4 |
|          |        |               | 12        | 13                 | 24.3       | 24.3     | 24.4       | 24.5     | 24.7 | 1         | 24.7               | 22.4       | 22.4     | 22.5       | 22.6     | 22.8 | 0         | 23.4 |
| 16QAM    |        | 1             | 0         | 23.9               | 23.8       | 24.1     | 24.1       | 24.3     | 1    | 24.7      | 22.4               | 22.3       | 22.6     | 22.6       | 22.7     | 0    | 23.4      |      |
|          |        | 1             | 12        | 23.9               | 23.8       | 24.2     | 24.1       | 24.3     | 1    | 24.7      | 22.5               | 22.3       | 22.7     | 22.6       | 22.8     | 0    | 23.4      |      |
|          |        | 12            | 0         | 23.2               | 23.2       | 23.3     | 23.4       | 23.6     | 2    | 23.7      | 22.3               | 22.2       | 22.4     | 22.5       | 22.7     | 0    | 23.4      |      |
|          |        | 12            | 7         | 23.2               | 23.2       | 23.3     | 23.4       | 23.7     | 2    | 23.7      | 22.3               | 22.2       | 22.4     | 22.5       | 22.7     | 0    | 23.4      |      |
|          |        | 12            | 13        | 23.2               | 23.2       | 23.4     | 23.5       | 23.6     | 2    | 23.7      | 22.4               | 22.4       | 22.4     | 22.5       | 22.7     | 0    | 23.4      |      |
|          |        | 25            | 0         | 23.3               | 23.3       | 23.5     | 23.5       | 23.7     | 2    | 23.7      | 22.4               | 22.3       | 22.5     | 22.6       | 22.8     | 0    | 23.4      |      |
| 64QAM    |        | 1             | 0         | 22.5               | 22.5       | 22.7     | 22.7       | 22.9     | 2    | 23.7      | 22.4               | 22.4       | 22.4     | 22.7       | 22.7     | 0    | 23.4      |      |
|          |        | 1             | 12        | 22.4               | 22.3       | 22.4     | 22.5       | 22.8     | 2    | 23.7      | 22.3               | 22.2       | 22.4     | 22.6       | 22.7     | 0    | 23.4      |      |
|          |        | 1             | 24        | 22.5               | 22.4       | 22.6     | 22.7       | 22.8     | 2    | 23.7      | 22.4               | 22.2       | 22.6     | 22.5       | 22.8     | 0    | 23.4      |      |
|          |        | 12            | 0         | 22.3               | 22.2       | 22.3     | 22.4       | 22.6     | 3    | 22.7      | 22.2               | 22.2       | 22.3     | 22.4       | 22.6     | 0.7  | 22.7      |      |
|          |        | 12            | 7         | 22.3               | 22.2       | 22.3     | 22.4       | 22.6     | 3    | 22.7      | 22.2               | 22.1       | 22.3     | 22.4       | 22.6     | 0.7  | 22.7      |      |
|          |        | 12            | 13        | 22.2               | 22.3       | 22.4     | 22.5       | 22.6     | 3    | 22.7      | 22.2               | 22.2       | 22.4     | 22.4       | 22.6     | 0.7  | 22.7      |      |
| 256QAM   |        | 1             | 0         | 19.9               | 19.9       | 20.0     | 20.2       | 20.2     | 5    | 20.7      | 19.6               | 19.8       | 20.0     | 20.1       | 20.2     | 2.7  | 20.7      |      |
|          |        | 1             | 12        | 19.9               | 19.9       | 20.1     | 20.2       | 20.4     | 5    | 20.7      | 19.9               | 19.8       | 20.0     | 20.2       | 20.2     | 2.7  | 20.7      |      |
|          |        | 1             | 24        | 19.9               | 19.9       | 20.1     | 20.2       | 20.2     | 5    | 20.7      | 19.8               | 19.8       | 20.1     | 20.2       | 20.2     | 2.7  | 20.7      |      |
|          |        | 12            | 0         | 20.2               | 20.2       | 20.3     | 20.4       | 20.6     | 5    | 20.7      | 20.2               | 20.1       | 20.3     | 20.4       | 20.6     | 2.7  | 20.7      |      |
|          |        | 12            | 7         | 20.2               | 20.2       | 20.3     | 20.4       | 20.6     | 5    | 20.7      | 20.2               | 20.2       | 20.3     | 20.4       | 20.6     | 2.7  | 20.7      |      |
|          |        | 12            | 13        | 20.2               | 20.2       | 20.4     | 20.5       | 20.6     | 5    | 20.7      | 20.2               | 20.2       | 20.4     | 20.4       | 20.6     | 2.7  | 20.7      |      |



**LTE Band 41 Power Class 3 Measured Results (ANT4, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |          |            |          |      |           | Mode B Power (dBm) |            |          |            |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|------------|----------|------------|----------|------|-----------|--------------------|------------|----------|------------|----------|------|-----------|------|
|          |        |               |           | 39750              | 40185      | 40620    | 41055      | 41490    | MPR  | Max Power | 39750              | 40185      | 40620    | 41055      | 41490    | MPR  | Max Power |      |
|          |        |               |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           |      |
| 20       | QPSK   | 1             | 0         | 22.7               | 22.7       | 22.7     | 22.6       | 22.7     | 0    | 24.4      | 23.4               | 23.0       | 23.3     | 23.1       | 23.3     | 0    | 24.7      |      |
|          |        | 1             | 49        | 22.6               | 22.7       | 22.8     | 22.7       | 22.7     | 0    | 24.4      | 23.5               | 23.2       | 23.4     | 23.2       | 23.4     | 0    | 24.7      |      |
|          |        | 1             | 99        | 22.6               | 22.7       | 22.6     | 22.6       | 22.8     | 0    | 24.4      | 23.3               | 23.1       | 23.1     | 23.2       | 23.3     | 0    | 24.7      |      |
|          |        | 50            | 0         | 22.6               | 22.7       | 22.5     | 22.7       | 22.4     | 0    | 24.4      | 23.5               | 23.2       | 23.3     | 23.2       | 23.4     | 0    | 24.7      |      |
|          |        | 50            | 24        | 22.5               | 22.8       | 22.5     | 22.4       | 22.5     | 0    | 24.4      | 23.5               | 23.3       | 23.3     | 23.2       | 23.4     | 0    | 24.7      |      |
|          |        | 50            | 50        | 22.4               | 22.7       | 22.5     | 22.6       | 22.5     | 0    | 24.4      | 23.4               | 23.2       | 23.3     | 23.2       | 23.5     | 0    | 24.7      |      |
|          | 16QAM  | 100           | 0         | 22.6               | 22.4       | 22.6     | 22.4       | 22.6     | 0    | 24.4      | 23.4               | 23.3       | 23.5     | 23.3       | 23.4     | 0    | 24.7      |      |
|          |        | 1             | 0         | 22.5               | 22.4       | 22.4     | 22.4       | 22.4     | 0    | 24.4      | 23.1               | 22.7       | 22.7     | 22.8       | 22.8     | 0    | 24.7      |      |
|          |        | 1             | 49        | 22.5               | 22.4       | 22.6     | 22.4       | 22.5     | 0    | 24.4      | 23.1               | 22.9       | 22.9     | 23.0       | 23.0     | 0    | 24.7      |      |
|          |        | 1             | 99        | 22.4               | 22.4       | 22.4     | 22.4       | 22.4     | 0    | 24.4      | 22.8               | 22.8       | 22.7     | 22.9       | 22.9     | 0    | 24.7      |      |
|          |        | 50            | 0         | 22.3               | 22.0       | 22.1     | 22.0       | 22.1     | 0.7  | 23.7      | 22.9               | 22.6       | 22.7     | 22.6       | 22.6     | 1    | 23.7      |      |
|          |        | 50            | 24        | 22.2               | 22.0       | 22.1     | 22.0       | 22.2     | 0.7  | 23.7      | 22.8               | 22.6       | 22.6     | 22.6       | 22.7     | 1    | 23.7      |      |
|          | 64QAM  | 50            | 50        | 22.1               | 22.0       | 22.1     | 22.0       | 22.2     | 0.7  | 23.7      | 22.7               | 22.6       | 22.6     | 22.6       | 22.7     | 1    | 23.7      |      |
|          |        | 100           | 0         | 22.3               | 22.1       | 22.2     | 22.1       | 22.2     | 0.7  | 23.7      | 22.9               | 22.7       | 22.7     | 22.6       | 22.8     | 1    | 23.7      |      |
|          |        | 1             | 0         | 22.0               | 21.7       | 21.8     | 21.7       | 21.7     | 0.7  | 23.7      | 22.0               | 21.7       | 21.8     | 21.7       | 21.7     | 1    | 23.7      |      |
|          |        | 1             | 49        | 22.0               | 21.8       | 21.8     | 21.8       | 21.8     | 0.7  | 23.7      | 22.0               | 21.8       | 21.8     | 21.8       | 21.8     | 1    | 23.7      |      |
|          |        | 1             | 99        | 21.9               | 21.7       | 21.7     | 21.7       | 21.8     | 0.7  | 23.7      | 21.7               | 21.8       | 21.7     | 21.7       | 21.8     | 1    | 23.7      |      |
|          |        | 50            | 0         | 21.9               | 21.6       | 21.7     | 21.6       | 21.6     | 1.7  | 22.7      | 21.9               | 21.6       | 21.7     | 21.6       | 21.6     | 2    | 22.7      |      |
|          | 256QAM | 50            | 24        | 21.9               | 21.6       | 21.6     | 21.6       | 21.7     | 1.7  | 22.7      | 21.9               | 21.6       | 21.6     | 21.6       | 21.7     | 2    | 22.7      |      |
|          |        | 50            | 50        | 21.8               | 21.6       | 21.6     | 21.6       | 21.7     | 1.7  | 22.7      | 21.7               | 21.6       | 21.6     | 21.5       | 21.7     | 2    | 22.7      |      |
|          |        | 100           | 0         | 22.0               | 21.7       | 21.7     | 21.7       | 21.7     | 1.7  | 22.7      | 21.9               | 21.7       | 21.7     | 21.7       | 21.8     | 2    | 22.7      |      |
|          |        | 1             | 0         | 19.4               | 19.0       | 19.2     | 19.1       | 19.1     | 3.7  | 20.7      | 19.3               | 19.0       | 19.2     | 19.1       | 19.1     | 4    | 20.7      |      |
|          |        | 1             | 49        | 19.4               | 19.1       | 19.3     | 19.2       | 19.2     | 3.7  | 20.7      | 19.4               | 19.1       | 19.3     | 19.2       | 19.3     | 4    | 20.7      |      |
|          |        | 1             | 99        | 19.2               | 19.1       | 19.1     | 19.1       | 19.2     | 3.7  | 20.7      | 19.2               | 19.1       | 19.0     | 19.1       | 19.3     | 4    | 20.7      |      |
|          | 15     | QPSK          | 50        | 0                  | 20.0       | 19.7     | 19.8       | 19.7     | 19.7 | 3.7       | 20.7               | 19.9       | 19.8     | 19.8       | 19.7     | 19.7 | 4         | 20.7 |
|          |        |               | 50        | 24                 | 19.9       | 19.7     | 19.7       | 19.7     | 19.7 | 3.7       | 20.7               | 19.9       | 19.7     | 19.7       | 19.6     | 19.8 | 4         | 20.7 |
|          |        |               | 50        | 50                 | 19.8       | 19.7     | 19.7       | 19.6     | 19.8 | 3.7       | 20.7               | 19.8       | 19.7     | 19.7       | 19.6     | 19.8 | 4         | 20.7 |
|          |        |               | 100       | 0                  | 19.9       | 19.7     | 19.7       | 19.7     | 19.8 | 3.7       | 20.7               | 19.9       | 19.8     | 19.8       | 19.7     | 19.8 | 4         | 20.7 |
|          |        |               | 1         | 0                  | 22.6       | 22.4     | 22.4       | 22.4     | 22.4 | 0         | 24.4               | 23.0       | 22.7     | 22.7       | 22.7     | 22.7 | 0         | 24.7 |
|          |        |               | 1         | 37                 | 22.5       | 22.4     | 22.4       | 22.4     | 22.4 | 0         | 24.4               | 22.9       | 22.7     | 22.7       | 22.7     | 22.8 | 0         | 24.7 |
| 16QAM    |        | 1             | 74        | 22.4               | 22.4       | 22.4     | 22.4       | 22.4     | 0    | 24.4      | 22.7               | 22.7       | 22.7     | 22.7       | 22.8     | 0    | 24.7      |      |
|          |        | 36            | 0         | 22.8               | 22.6       | 22.7     | 22.6       | 22.6     | 0    | 24.4      | 23.1               | 22.8       | 22.9     | 22.8       | 22.9     | 0    | 24.7      |      |
|          |        | 36            | 20        | 22.8               | 22.6       | 22.7     | 22.6       | 22.7     | 0    | 24.4      | 23.0               | 22.8       | 22.9     | 22.8       | 22.9     | 0    | 24.7      |      |
|          |        | 36            | 39        | 22.7               | 22.6       | 22.6     | 22.5       | 22.7     | 0    | 24.4      | 23.0               | 22.8       | 22.8     | 22.8       | 22.9     | 0    | 24.7      |      |
|          |        | 75            | 0         | 22.8               | 22.6       | 22.6     | 22.6       | 22.7     | 0    | 24.4      | 23.0               | 22.9       | 22.9     | 22.9       | 23.0     | 0    | 24.7      |      |
|          |        | 1             | 0         | 22.5               | 22.4       | 22.4     | 22.4       | 22.4     | 0    | 24.4      | 23.1               | 22.7       | 22.8     | 22.8       | 22.8     | 0    | 24.7      |      |
| 64QAM    |        | 1             | 37        | 22.5               | 22.4       | 22.4     | 22.4       | 22.4     | 0    | 24.4      | 22.9               | 22.7       | 22.8     | 22.7       | 22.9     | 0    | 24.7      |      |
|          |        | 1             | 74        | 22.4               | 22.4       | 22.4     | 22.4       | 22.4     | 0    | 24.4      | 22.8               | 22.7       | 22.7     | 22.7       | 22.9     | 0    | 24.7      |      |
|          |        | 36            | 0         | 22.3               | 22.1       | 22.2     | 22.1       | 22.1     | 0.7  | 23.7      | 22.8               | 22.6       | 22.7     | 22.6       | 22.7     | 1    | 23.7      |      |
|          | 36     | 20            | 22.3      | 22.1               | 22.2       | 22.1     | 22.2       | 0.7      | 23.7 | 22.8      | 22.6               | 22.7       | 22.6     | 22.7       | 1        | 23.7 |           |      |
|          | 36     | 39            | 22.2      | 22.1               | 22.1       | 22.0     | 22.2       | 0.7      | 23.7 | 22.7      | 22.6               | 22.6       | 22.6     | 22.7       | 1        | 23.7 |           |      |
|          | 75     | 0             | 22.3      | 22.1               | 22.1       | 22.1     | 22.2       | 0.7      | 23.7 | 22.8      | 22.6               | 22.7       | 22.6     | 22.8       | 1        | 23.7 |           |      |
| 256QAM   | 1      | 0             | 22.1      | 21.7               | 21.8       | 21.9     | 21.9       | 0.7      | 23.7 | 22.0      | 21.7               | 22.0       | 21.8     | 21.8       | 1        | 23.7 |           |      |
|          | 1      | 37            | 21.9      | 21.7               | 21.8       | 21.8     | 21.8       | 0.7      | 23.7 | 21.9      | 21.7               | 21.8       | 21.8     | 21.9       | 1        | 23.7 |           |      |
|          | 1      | 74            | 21.8      | 21.7               | 21.7       | 21.8     | 22.0       | 0.7      | 23.7 | 21.8      | 21.7               | 21.7       | 21.7     | 22.0       | 1        | 23.7 |           |      |
|          | 36     | 0             | 21.9      | 21.6               | 21.7       | 21.6     | 21.7       | 1.7      | 22.7 | 21.9      | 21.6               | 21.7       | 21.6     | 21.7       | 2        | 22.7 |           |      |
|          | 36     | 20            | 21.9      | 21.7               | 21.7       | 21.6     | 21.8       | 1.7      | 22.7 | 21.8      | 21.6               | 21.7       | 21.6     | 21.8       | 2        | 22.7 |           |      |
|          | 36     | 39            | 21.8      | 21.7               | 21.7       | 21.6     | 21.8       | 1.7      | 22.7 | 21.8      | 21.6               | 21.7       | 21.5     | 21.8       | 2        | 22.7 |           |      |
| 256QAM   | 75     | 0             | 21.9      | 21.7               | 21.7       | 21.7     | 21.8       | 1.7      | 22.7 | 21.9      | 21.7               | 21.7       | 21.6     | 21.8       | 2        | 22.7 |           |      |
|          | 1      | 0             | 19.6      | 19.3               | 19.3       | 19.3     | 19.4       | 3.7      | 20.7 | 19.5      | 19.3               | 19.3       | 19.3     | 19.4       | 4        | 20.7 |           |      |
|          | 1      | 37            | 19.4      | 19.3               | 19.3       | 19.2     | 19.5       | 3.7      | 20.7 | 19.4      | 19.2               | 19.3       | 19.2     | 19.4       | 4        | 20.7 |           |      |
|          | 1      | 74            | 19.3      | 19.3               | 19.3       | 19.3     | 19.5       | 3.7      | 20.7 | 19.3      | 19.3               | 19.2       | 19.3     | 19.5       | 4        | 20.7 |           |      |
|          | 36     | 0             | 19.9      | 19.6               | 19.8       | 19.7     | 19.7       | 3.7      | 20.7 | 19.9      | 19.6               | 19.8       | 19.7     | 19.7       | 4        | 20.7 |           |      |
|          | 36     | 20            | 19.9      | 19.7               | 19.8       | 19.7     | 19.8       | 3.7      | 20.7 | 19.8      | 19.7               | 19.8       | 19.7     | 19.8       | 4        | 20.7 |           |      |

**LTE Band 41 Power Class 3 Measured Results (ANT4, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB offset | Mode A Power (dBm) |            |          |            |          |      |           | Mode B Power (dBm) |            |          |            |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|------------|----------|------------|----------|------|-----------|--------------------|------------|----------|------------|----------|------|-----------|------|
|          |        |               |           | 39750              | 40185      | 40620    | 41055      | 41490    | MPR  | Max Power | 39750              | 40185      | 40620    | 41055      | 41490    | MPR  | Max Power |      |
|          |        |               |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           | 2506 MHz           | 2549.5 MHz | 2593 MHz | 2636.5 MHz | 2680 MHz |      |           |      |
| 10       | QPSK   | 1             | 0         | 22.6               | 22.4       | 22.4     | 22.4       | 22.4     | 22.4 | 0         | 24.4               | 23.0       | 22.7     | 22.9       | 22.7     | 22.7 | 0         | 24.7 |
|          |        | 1             | 25        | 22.5               | 22.4       | 22.4     | 22.4       | 22.5     | 22.5 | 0         | 24.4               | 22.9       | 22.8     | 22.9       | 22.7     | 22.8 | 0         | 24.7 |
|          |        | 1             | 49        | 22.4               | 22.4       | 22.4     | 22.4       | 22.4     | 22.4 | 0         | 24.4               | 22.8       | 22.8     | 22.8       | 22.7     | 22.8 | 0         | 24.7 |
|          |        | 25            | 0         | 22.4               | 22.6       | 22.7     | 22.7       | 22.7     | 22.8 | 0         | 24.4               | 23.2       | 22.9     | 23.0       | 22.9     | 23.0 | 0         | 24.7 |
|          |        | 25            | 12        | 22.8               | 22.7       | 22.7     | 22.6       | 22.8     | 22.8 | 0         | 24.4               | 23.1       | 22.9     | 22.9       | 22.9     | 23.0 | 0         | 24.7 |
|          |        | 25            | 25        | 22.8               | 22.7       | 22.7     | 22.6       | 22.8     | 22.8 | 0         | 24.4               | 23.0       | 22.9     | 22.9       | 22.8     | 23.0 | 0         | 24.7 |
|          | 16QAM  | 1             | 0         | 22.6               | 22.4       | 22.4     | 22.4       | 22.4     | 22.4 | 0         | 24.4               | 23.0       | 22.7     | 22.8       | 22.7     | 22.9 | 0         | 24.7 |
|          |        | 1             | 25        | 22.6               | 22.4       | 22.5     | 22.4       | 22.5     | 22.5 | 0         | 24.4               | 23.0       | 22.7     | 22.9       | 22.8     | 23.0 | 0         | 24.7 |
|          |        | 1             | 49        | 22.4               | 22.4       | 22.5     | 22.4       | 22.5     | 22.5 | 0         | 24.4               | 22.7       | 22.7     | 22.8       | 22.7     | 22.9 | 0         | 24.7 |
|          |        | 25            | 0         | 22.4               | 22.1       | 22.2     | 22.1       | 22.3     | 0.7  | 23.7      | 23.0               | 22.6       | 22.8     | 22.6       | 22.8     | 1    | 23.7      |      |
|          |        | 25            | 12        | 22.3               | 22.1       | 22.2     | 22.1       | 22.2     | 0.7  | 23.7      | 22.9               | 22.6       | 22.7     | 22.6       | 22.8     | 1    | 23.7      |      |
|          |        | 25            | 25        | 22.3               | 22.1       | 22.1     | 22.1       | 22.3     | 0.7  | 23.7      | 22.8               | 22.6       | 22.7     | 22.6       | 22.8     | 1    | 23.7      |      |
|          | 64QAM  | 1             | 0         | 22.0               | 21.8       | 21.9     | 21.8       | 21.9     | 0.7  | 23.7      | 22.1               | 21.9       | 21.9     | 21.8       | 21.8     | 1    | 23.7      |      |
|          |        | 1             | 25        | 22.0               | 21.7       | 21.8     | 21.8       | 21.9     | 0.7  | 23.7      | 22.0               | 21.8       | 21.9     | 21.8       | 22.0     | 1    | 23.7      |      |
|          |        | 1             | 49        | 21.8               | 21.8       | 21.8     | 21.8       | 22.0     | 0.7  | 23.7      | 21.8               | 21.8       | 21.9     | 21.8       | 21.9     | 1    | 23.7      |      |
|          |        | 25            | 0         | 21.9               | 21.6       | 21.8     | 21.7       | 21.8     | 1.7  | 22.7      | 22.0               | 21.6       | 21.8     | 21.7       | 21.8     | 2    | 22.7      |      |
|          |        | 25            | 12        | 21.9               | 21.7       | 21.8     | 21.7       | 21.8     | 1.7  | 22.7      | 21.9               | 21.6       | 21.7     | 21.7       | 21.8     | 2    | 22.7      |      |
|          |        | 25            | 25        | 21.8               | 21.7       | 21.7     | 21.6       | 21.8     | 1.7  | 22.7      | 21.8               | 21.6       | 21.7     | 21.6       | 21.8     | 2    | 22.7      |      |
|          | 256QAM | 1             | 0         | 22.0               | 21.7       | 21.8     | 21.7       | 21.9     | 1.7  | 22.7      | 22.0               | 21.7       | 21.7     | 21.7       | 21.8     | 2    | 22.7      |      |
|          |        | 1             | 0         | 19.6               | 19.3       | 19.4     | 19.3       | 19.4     | 3.7  | 20.7      | 19.6               | 19.3       | 19.4     | 19.4       | 19.4     | 4    | 20.7      |      |
|          |        | 1             | 25        | 19.5               | 19.3       | 19.4     | 19.4       | 19.4     | 3.7  | 20.7      | 19.4               | 19.3       | 19.4     | 19.3       | 19.4     | 4    | 20.7      |      |
|          |        | 1             | 49        | 19.3               | 19.4       | 19.3     | 19.3       | 19.5     | 3.7  | 20.7      | 19.4               | 19.3       | 19.4     | 19.3       | 19.5     | 4    | 20.7      |      |
|          |        | 25            | 0         | 20.0               | 19.7       | 19.8     | 19.7       | 19.9     | 3.7  | 20.7      | 20.0               | 19.6       | 19.8     | 19.7       | 19.8     | 4    | 20.7      |      |
|          |        | 25            | 12        | 19.9               | 19.7       | 19.8     | 19.7       | 19.9     | 3.7  | 20.7      | 19.9               | 19.7       | 19.8     | 19.7       | 19.8     | 4    | 20.7      |      |
|          | 5      | QPSK          | 1         | 0                  | 22.6       | 22.4     | 22.5       | 22.4     | 22.4 | 0         | 24.4               | 23.0       | 22.7     | 22.9       | 22.7     | 22.9 | 0         | 24.7 |
|          |        |               | 1         | 12                 | 22.5       | 22.5     | 22.4       | 22.4     | 22.4 | 0         | 24.4               | 22.9       | 22.7     | 22.8       | 22.8     | 22.8 | 0         | 24.7 |
|          |        |               | 1         | 24                 | 22.4       | 22.4     | 22.4       | 22.4     | 22.4 | 0         | 24.4               | 22.9       | 22.8     | 22.8       | 22.7     | 22.9 | 0         | 24.7 |
|          |        |               | 12        | 0                  | 22.8       | 22.6     | 22.7       | 22.6     | 22.7 | 0         | 24.4               | 23.0       | 22.9     | 23.0       | 22.9     | 23.0 | 0         | 24.7 |
|          |        |               | 12        | 7                  | 22.8       | 22.6     | 22.8       | 22.6     | 22.7 | 0         | 24.4               | 23.0       | 22.9     | 23.0       | 22.9     | 23.0 | 0         | 24.7 |
|          |        |               | 12        | 13                 | 22.7       | 22.6     | 22.7       | 22.6     | 22.7 | 0         | 24.4               | 23.0       | 22.9     | 22.9       | 22.9     | 23.0 | 0         | 24.7 |
| 16QAM    |        | 1             | 0         | 22.6               | 22.5       | 22.6     | 22.4       | 22.5     | 0    | 24.4      | 23.1               | 22.9       | 22.9     | 22.9       | 23.0     | 0    | 24.7      |      |
|          |        | 1             | 12        | 22.6               | 22.5       | 22.4     | 22.4       | 22.4     | 0    | 24.4      | 23.0               | 22.8       | 22.9     | 22.8       | 23.0     | 0    | 24.7      |      |
|          |        | 1             | 24        | 22.5               | 22.5       | 22.4     | 22.6       | 22.5     | 0    | 24.4      | 23.1               | 22.8       | 22.9     | 22.8       | 23.1     | 0    | 24.7      |      |
|          |        | 12            | 0         | 22.3               | 22.1       | 22.2     | 22.1       | 22.2     | 0.7  | 23.7      | 22.8               | 22.7       | 22.8     | 22.6       | 22.7     | 1    | 23.7      |      |
|          |        | 12            | 7         | 22.3               | 22.1       | 22.2     | 22.1       | 22.2     | 0.7  | 23.7      | 22.8               | 22.6       | 22.7     | 22.6       | 22.7     | 1    | 23.7      |      |
|          |        | 12            | 13        | 22.2               | 22.1       | 22.1     | 22.1       | 22.2     | 0.7  | 23.7      | 22.7               | 22.6       | 22.7     | 22.6       | 22.7     | 1    | 23.7      |      |
| 64QAM    |        | 1             | 0         | 22.3               | 22.1       | 22.1     | 22.1       | 22.2     | 0.7  | 23.7      | 22.8               | 22.6       | 22.7     | 22.7       | 22.7     | 1    | 23.7      |      |
|          |        | 1             | 0         | 22.0               | 21.7       | 22.0     | 21.8       | 21.9     | 0.7  | 23.7      | 22.0               | 21.8       | 22.0     | 22.1       | 21.9     | 1    | 23.7      |      |
|          |        | 1             | 12        | 22.0               | 22.1       | 21.8     | 21.8       | 21.9     | 0.7  | 23.7      | 22.0               | 21.7       | 21.7     | 21.8       | 21.9     | 1    | 23.7      |      |
|          |        | 1             | 24        | 21.9               | 21.8       | 22.0     | 21.8       | 21.9     | 0.7  | 23.7      | 21.9               | 21.8       | 21.9     | 21.8       | 21.9     | 1    | 23.7      |      |
|          |        | 12            | 0         | 21.8               | 21.6       | 21.7     | 21.7       | 21.7     | 1.7  | 22.7      | 21.8               | 21.6       | 21.7     | 21.7       | 21.7     | 2    | 22.7      |      |
|          |        | 12            | 7         | 21.8               | 21.6       | 21.8     | 21.6       | 21.8     | 1.7  | 22.7      | 21.8               | 21.6       | 21.7     | 21.6       | 21.7     | 2    | 22.7      |      |
| 256QAM   |        | 12            | 13        | 21.8               | 21.6       | 21.7     | 21.6       | 21.8     | 1.7  | 22.7      | 21.8               | 21.6       | 21.7     | 21.6       | 21.7     | 2    | 22.7      |      |
|          |        | 25            | 0         | 21.8               | 21.6       | 21.7     | 21.7       | 21.8     | 1.7  | 22.7      | 21.9               | 21.6       | 21.7     | 21.6       | 21.7     | 2    | 22.7      |      |
|          |        | 1             | 0         | 19.6               | 19.1       | 19.4     | 19.3       | 19.3     | 3.7  | 20.7      | 19.5               | 19.2       | 19.3     | 19.3       | 19.4     | 4    | 20.7      |      |
|          |        | 1             | 12        | 19.5               | 19.2       | 19.3     | 19.4       | 19.3     | 3.7  | 20.7      | 19.4               | 19.2       | 19.3     | 19.3       | 19.4     | 4    | 20.7      |      |
|          |        | 1             | 24        | 19.4               | 19.4       | 19.4     | 19.5       | 19.5     | 3.7  | 20.7      | 19.3               | 19.3       | 19.3     | 19.3       | 19.4     | 4    | 20.7      |      |
|          |        | 12            | 0         | 19.9               | 19.7       | 19.8     | 19.7       | 19.8     | 3.7  | 20.7      | 19.8               | 19.7       | 19.8     | 19.7       | 19.8     | 4    | 20.7      |      |

**LTE Band 48 Measured Results (ANT7, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |            |          |      |           | Mode B Power (dBm) |            |            |          |      |           |
|----------|--------|---------------|-----------|--------------------|------------|------------|----------|------|-----------|--------------------|------------|------------|----------|------|-----------|
|          |        |               |           | 55340              | 55773      | 56207      | 56640    | MPR  | Max Power | 55340              | 55773      | 56207      | 56640    | MPR  | Max Power |
|          |        |               |           | 3560 MHz           | 3603.3 MHz | 3646.7 MHz | 3690 MHz |      |           | 3560 MHz           | 3603.3 MHz | 3646.7 MHz | 3690 MHz |      |           |
| 20       | QPSK   | 1             | 0         | 23.9               | 23.7       | 23.9       | 23.8     | 0    | 25.6      | 22.4               | 22.2       | 22.4       | 22.3     | 0    | 24.0      |
|          |        | 1             | 49        | 24.1               | 23.8       | 24.0       | 23.9     | 0    | 25.6      | 22.6               | 22.3       | 22.6       | 22.4     | 0    | 24.0      |
|          |        | 1             | 99        | 23.9               | 23.8       | 23.8       | 23.8     | 0    | 25.6      | 22.3               | 22.2       | 22.3       | 22.2     | 0    | 24.0      |
|          |        | 50            | 0         | 24.0               | 23.8       | 24.1       | 23.9     | 0.9  | 24.7      | 22.6               | 22.3       | 22.6       | 22.4     | 0    | 24.0      |
|          |        | 50            | 24        | 24.0               | 23.8       | 24.1       | 23.9     | 0.9  | 24.7      | 22.5               | 22.3       | 22.5       | 22.4     | 0    | 24.0      |
|          |        | 50            | 50        | 24.0               | 23.8       | 24.0       | 23.9     | 0.9  | 24.7      | 22.5               | 22.3       | 22.5       | 22.4     | 0    | 24.0      |
|          | 16QAM  | 100           | 0         | 24.0               | 23.9       | 24.1       | 24.0     | 0.9  | 24.7      | 22.6               | 22.4       | 22.6       | 22.5     | 0    | 24.0      |
|          |        | 1             | 0         | 22.9               | 23.0       | 23.2       | 23.1     | 0.9  | 24.7      | 22.2               | 22.0       | 22.0       | 22.4     | 0    | 24.0      |
|          |        | 1             | 49        | 23.1               | 23.2       | 23.4       | 23.2     | 0.9  | 24.7      | 22.4               | 22.0       | 22.1       | 22.6     | 0    | 24.0      |
|          |        | 1             | 99        | 22.9               | 23.1       | 23.1       | 23.0     | 0.9  | 24.7      | 22.2               | 22.0       | 22.0       | 22.4     | 0    | 24.0      |
|          |        | 50            | 0         | 22.6               | 22.7       | 23.0       | 22.9     | 1.9  | 23.7      | 22.4               | 22.1       | 22.3       | 22.2     | 0.3  | 23.7      |
|          |        | 50            | 24        | 22.5               | 22.7       | 23.0       | 22.9     | 1.9  | 23.7      | 22.3               | 22.1       | 22.3       | 22.3     | 0.3  | 23.7      |
|          | 64QAM  | 50            | 50        | 22.5               | 22.8       | 22.9       | 22.9     | 1.9  | 23.7      | 22.3               | 22.1       | 22.3       | 22.3     | 0.3  | 23.7      |
|          |        | 100           | 0         | 22.6               | 22.8       | 23.0       | 23.0     | 1.9  | 23.7      | 22.4               | 22.2       | 22.4       | 22.3     | 0.3  | 23.7      |
|          |        | 1             | 0         | 21.9               | 21.8       | 21.8       | 21.9     | 1.9  | 23.7      | 21.9               | 21.7       | 22.1       | 22.0     | 0.3  | 23.7      |
|          |        | 1             | 49        | 22.0               | 21.7       | 22.0       | 21.9     | 1.9  | 23.7      | 22.0               | 21.8       | 22.0       | 22.0     | 0.3  | 23.7      |
|          |        | 1             | 99        | 21.9               | 21.7       | 21.8       | 21.9     | 1.9  | 23.7      | 21.8               | 21.7       | 21.8       | 22.0     | 0.3  | 23.7      |
|          |        | 50            | 0         | 21.6               | 21.4       | 21.6       | 21.4     | 2.9  | 22.7      | 21.7               | 21.4       | 21.5       | 21.7     | 1.3  | 22.7      |
|          | 256QAM | 50            | 24        | 21.6               | 21.4       | 21.5       | 21.4     | 2.9  | 22.7      | 21.6               | 21.4       | 21.6       | 21.7     | 1.3  | 22.7      |
|          |        | 50            | 50        | 21.6               | 21.4       | 21.5       | 21.4     | 2.9  | 22.7      | 21.6               | 21.5       | 21.6       | 21.7     | 1.3  | 22.7      |
|          |        | 100           | 0         | 21.6               | 21.4       | 21.6       | 21.5     | 2.9  | 22.7      | 21.7               | 21.5       | 21.7       | 21.8     | 1.3  | 22.7      |
|          |        | 1             | 0         | 19.0               | 18.7       | 18.9       | 19.0     | 4.9  | 20.7      | 19.0               | 18.8       | 19.1       | 19.2     | 3.3  | 20.7      |
|          |        | 1             | 49        | 19.1               | 18.9       | 19.1       | 19.1     | 4.9  | 20.7      | 19.2               | 18.9       | 19.2       | 19.2     | 3.3  | 20.7      |
|          |        | 1             | 99        | 18.8               | 18.8       | 18.8       | 18.9     | 4.9  | 20.7      | 19.1               | 18.9       | 19.1       | 19.1     | 3.3  | 20.7      |
| 15       | QPSK   | 50            | 0         | 19.6               | 19.4       | 19.6       | 19.4     | 4.9  | 20.7      | 19.7               | 19.4       | 19.6       | 19.7     | 3.3  | 20.7      |
|          |        | 50            | 24        | 19.6               | 19.4       | 19.5       | 19.4     | 4.9  | 20.7      | 19.7               | 19.4       | 19.7       | 19.7     | 3.3  | 20.7      |
|          |        | 50            | 50        | 19.6               | 19.4       | 19.5       | 19.4     | 4.9  | 20.7      | 19.7               | 19.5       | 19.6       | 19.6     | 3.3  | 20.7      |
|          |        | 100           | 0         | 19.7               | 19.4       | 19.6       | 19.5     | 4.9  | 20.7      | 19.7               | 19.5       | 19.7       | 19.7     | 3.3  | 20.7      |
|          |        | 1             | 0         | 23.6               | 23.6       | 23.6       | 23.6     | 0    | 25.6      | 22.3               | 22.1       | 22.3       | 22.2     | 0    | 24.0      |
|          |        | 1             | 37        | 23.6               | 23.6       | 23.6       | 23.6     | 0    | 25.6      | 22.3               | 22.2       | 22.3       | 22.3     | 0    | 24.0      |
|          | 16QAM  | 1             | 74        | 23.6               | 23.6       | 23.6       | 23.6     | 0    | 25.6      | 22.3               | 22.1       | 22.1       | 22.3     | 0    | 24.0      |
|          |        | 36            | 0         | 23.7               | 23.7       | 23.9       | 23.8     | 0.9  | 24.7      | 22.5               | 22.2       | 22.4       | 22.2     | 0    | 24.0      |
|          |        | 36            | 20        | 23.7               | 23.7       | 23.9       | 23.9     | 0.9  | 24.7      | 22.5               | 22.3       | 22.4       | 22.3     | 0    | 24.0      |
|          |        | 36            | 39        | 23.6               | 23.7       | 23.9       | 23.9     | 0.9  | 24.7      | 22.4               | 22.3       | 22.3       | 22.3     | 0    | 24.0      |
|          |        | 75            | 0         | 23.7               | 23.7       | 23.9       | 23.9     | 0.9  | 24.7      | 22.5               | 22.3       | 22.2       | 22.2     | 0    | 24.0      |
|          |        | 1             | 0         | 22.9               | 22.9       | 23.3       | 23.2     | 0.9  | 24.7      | 22.3               | 22.3       | 22.1       | 22.6     | 0    | 24.0      |
|          | 64QAM  | 1             | 37        | 22.9               | 22.9       | 23.4       | 23.3     | 0.9  | 24.7      | 22.3               | 22.1       | 22.2       | 22.4     | 0    | 24.0      |
|          |        | 1             | 74        | 22.8               | 22.9       | 23.3       | 23.2     | 0.9  | 24.7      | 22.2               | 22.0       | 22.1       | 22.7     | 0    | 24.0      |
|          |        | 36            | 0         | 22.6               | 22.6       | 22.9       | 22.8     | 1.9  | 23.7      | 22.4               | 22.2       | 22.4       | 22.2     | 0.3  | 23.7      |
|          |        | 36            | 20        | 22.6               | 22.6       | 22.9       | 22.8     | 1.9  | 23.7      | 22.4               | 22.2       | 22.3       | 22.3     | 0.3  | 23.7      |
|          |        | 36            | 39        | 22.5               | 22.6       | 22.8       | 22.8     | 1.9  | 23.7      | 22.3               | 22.2       | 22.3       | 22.3     | 0.3  | 23.7      |
|          |        | 75            | 0         | 22.6               | 22.7       | 22.9       | 22.9     | 1.9  | 23.7      | 22.4               | 21.8       | 22.3       | 22.2     | 0.3  | 23.7      |
|          | 256QAM | 1             | 0         | 22.0               | 21.7       | 21.8       | 22.0     | 1.9  | 23.7      | 22.5               | 22.0       | 22.3       | 22.2     | 0.3  | 23.7      |
|          |        | 1             | 37        | 21.8               | 21.8       | 21.8       | 22.2     | 1.9  | 23.7      | 22.4               | 22.0       | 22.4       | 22.4     | 0.3  | 23.7      |
|          |        | 1             | 74        | 21.9               | 21.8       | 21.9       | 21.9     | 1.9  | 23.7      | 22.2               | 21.9       | 22.4       | 22.1     | 0.3  | 23.7      |
|          |        | 36            | 0         | 21.6               | 21.4       | 21.5       | 21.4     | 2.9  | 22.7      | 21.7               | 21.6       | 22.0       | 21.7     | 1.3  | 22.7      |
|          |        | 36            | 20        | 21.6               | 21.4       | 21.5       | 21.4     | 2.9  | 22.7      | 21.6               | 21.5       | 22.0       | 21.8     | 1.3  | 22.7      |
|          |        | 36            | 39        | 21.6               | 21.4       | 21.5       | 21.4     | 2.9  | 22.7      | 21.6               | 21.7       | 22.0       | 21.7     | 1.3  | 22.7      |
| QPSK     | 75     | 0             | 21.6      | 21.4               | 21.6       | 21.5       | 2.9      | 22.7 | 21.7      | 21.8               | 22.0       | 21.8       | 1.3      | 22.7 |           |
|          | 1      | 0             | 19.2      | 18.8               | 19.0       | 19.0       | 4.9      | 20.7 | 19.5      | 19.0               | 19.6       | 19.2       | 3.3      | 20.7 |           |
|          | 1      | 37            | 19.2      | 18.8               | 19.1       | 19.1       | 4.9      | 20.7 | 19.4      | 19.0               | 19.6       | 19.3       | 3.3      | 20.7 |           |
|          | 1      | 74            | 19.1      | 18.8               | 19.1       | 19.0       | 4.9      | 20.7 | 19.3      | 19.1               | 19.5       | 19.3       | 3.3      | 20.7 |           |
|          | 36     | 0             | 19.7      | 19.4               | 19.6       | 19.4       | 4.9      | 20.7 | 19.7      | 19.7               | 20.0       | 19.7       | 3.3      | 20.7 |           |
|          | 36     | 20            | 19.7      | 19.4               | 19.6       | 19.5       | 4.9      | 20.7 | 19.6      | 19.7               | 19.9       | 19.8       | 3.3      | 20.7 |           |
| 16QAM    | 36     | 39            | 19.6      | 19.4               | 19.5       | 19.5       | 4.9      | 20.7 | 19.5      | 19.4               | 19.8       | 19.7       | 3.3      | 20.7 |           |
|          | 75     | 0             | 19.7      | 19.4               | 19.6       | 19.5       | 4.9      | 20.7 | 19.6      | 19.5               | 20.0       | 19.8       | 3.3      | 20.7 |           |

**LTE Band 48 Measured Results (ANT7, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |            |          |      |           | Mode B Power (dBm) |            |            |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|------------|------------|----------|------|-----------|--------------------|------------|------------|----------|------|-----------|------|
|          |        |               |           | 55290              | 55757      | 56223      | 56690    | MPR  | Max Power | 55290              | 55757      | 56223      | 56690    | MPR  | Max Power |      |
|          |        |               |           | 3555 MHz           | 3601.7 MHz | 3648.3 MHz | 3695 MHz |      |           | 3555 MHz           | 3601.7 MHz | 3648.3 MHz | 3695 MHz |      |           |      |
| 10       | QPSK   | 1             | 0         | 24.3               | 23.6       | 23.6       | 23.6     | 0    | 25.6      | 22.3               | 22.3       | 22.4       | 22.4     | 0    | 24.0      |      |
|          |        | 1             | 25        | 24.4               | 23.6       | 23.6       | 23.6     | 0    | 25.6      | 22.4               | 22.1       | 22.4       | 22.4     | 0    | 24.0      |      |
|          |        | 1             | 49        | 24.3               | 23.8       | 23.6       | 23.6     | 0    | 25.6      | 22.4               | 22.1       | 22.3       | 22.4     | 0    | 24.0      |      |
|          |        | 25            | 0         | 24.2               | 23.7       | 24.0       | 23.9     | 0.9  | 24.7      | 22.5               | 22.3       | 22.5       | 22.4     | 0    | 24.0      |      |
|          |        | 25            | 12        | 24.2               | 23.7       | 24.0       | 23.9     | 0.9  | 24.7      | 22.5               | 22.3       | 22.5       | 22.4     | 0    | 24.0      |      |
|          |        | 25            | 25        | 24.2               | 23.7       | 23.9       | 23.9     | 0.9  | 24.7      | 22.5               | 22.3       | 22.4       | 22.4     | 0    | 24.0      |      |
|          | 16QAM  | 50            | 0         | 24.2               | 23.8       | 24.0       | 23.9     | 0.9  | 24.7      | 22.6               | 22.3       | 22.6       | 22.4     | 0    | 24.0      |      |
|          |        | 1             | 0         | 24.0               | 23.0       | 23.3       | 23.3     | 0.9  | 24.7      | 22.3               | 22.2       | 22.3       | 22.7     | 0    | 24.0      |      |
|          |        | 1             | 25        | 24.0               | 23.1       | 23.5       | 23.2     | 0.9  | 24.7      | 22.4               | 22.1       | 22.3       | 22.8     | 0    | 24.0      |      |
|          |        | 1             | 49        | 24.0               | 23.1       | 23.4       | 23.2     | 0.9  | 24.7      | 22.3               | 22.1       | 22.2       | 22.7     | 0    | 24.0      |      |
|          |        | 25            | 0         | 23.2               | 22.7       | 22.9       | 22.9     | 1.9  | 23.7      | 22.5               | 22.2       | 22.5       | 22.4     | 0.3  | 23.7      |      |
|          |        | 25            | 12        | 23.1               | 22.7       | 23.0       | 22.9     | 1.9  | 23.7      | 22.5               | 22.2       | 22.5       | 22.4     | 0.3  | 23.7      |      |
|          | 64QAM  | 25            | 25        | 23.2               | 22.7       | 22.9       | 22.9     | 1.9  | 23.7      | 22.5               | 22.2       | 22.4       | 22.4     | 0.3  | 23.7      |      |
|          |        | 50            | 0         | 23.2               | 22.7       | 23.0       | 22.9     | 1.9  | 23.7      | 22.5               | 22.3       | 22.5       | 22.4     | 0.3  | 23.7      |      |
|          |        | 1             | 0         | 22.8               | 21.8       | 22.1       | 22.2     | 1.9  | 23.7      | 22.5               | 22.2       | 22.5       | 22.2     | 0.3  | 23.7      |      |
|          |        | 1             | 25        | 22.8               | 21.8       | 22.1       | 21.9     | 1.9  | 23.7      | 22.5               | 22.2       | 22.7       | 22.2     | 0.3  | 23.7      |      |
|          |        | 1             | 49        | 22.9               | 21.9       | 21.8       | 21.9     | 1.9  | 23.7      | 22.5               | 22.2       | 22.6       | 22.1     | 0.3  | 23.7      |      |
|          |        | 25            | 0         | 22.1               | 21.5       | 21.7       | 21.5     | 2.9  | 22.7      | 22.2               | 21.9       | 22.1       | 21.8     | 1.3  | 22.7      |      |
|          | 256QAM | 25            | 12        | 22.1               | 21.5       | 21.6       | 21.5     | 2.9  | 22.7      | 22.1               | 21.9       | 22.1       | 21.8     | 1.3  | 22.7      |      |
|          |        | 25            | 25        | 22.1               | 21.5       | 21.5       | 21.5     | 2.9  | 22.7      | 22.1               | 21.9       | 22.1       | 21.8     | 1.3  | 22.7      |      |
|          |        | 50            | 0         | 22.2               | 21.5       | 21.6       | 21.5     | 2.9  | 22.7      | 22.2               | 21.9       | 22.2       | 21.8     | 1.3  | 22.7      |      |
|          |        | 1             | 0         | 19.8               | 18.9       | 19.1       | 19.1     | 4.9  | 20.7      | 19.6               | 19.5       | 19.7       | 19.3     | 3.3  | 20.7      |      |
|          |        | 1             | 25        | 19.8               | 18.9       | 19.1       | 19.0     | 4.9  | 20.7      | 19.6               | 19.4       | 19.7       | 19.2     | 3.3  | 20.7      |      |
|          |        | 1             | 49        | 19.9               | 18.9       | 19.1       | 19.0     | 4.9  | 20.7      | 19.6               | 19.4       | 19.6       | 19.2     | 3.3  | 20.7      |      |
|          | 5      | QPSK          | 25        | 0                  | 20.1       | 19.5       | 19.6     | 19.5 | 4.9       | 20.7               | 20.1       | 19.9       | 20.1     | 19.8 | 3.3       | 20.7 |
|          |        |               | 25        | 12                 | 20.1       | 19.5       | 19.6     | 19.5 | 4.9       | 20.7               | 20.1       | 19.9       | 20.1     | 19.7 | 3.3       | 20.7 |
|          |        |               | 25        | 25                 | 20.1       | 19.5       | 19.5     | 19.5 | 4.9       | 20.7               | 20.2       | 19.9       | 20.1     | 19.7 | 3.3       | 20.7 |
|          |        |               | 50        | 0                  | 20.1       | 19.5       | 19.6     | 19.6 | 4.9       | 20.7               | 20.2       | 19.9       | 20.2     | 19.8 | 3.3       | 20.7 |
|          |        |               | 1         | 0                  | 24.3       | 24.1       | 24.2     | 24.2 | 0         | 25.6               | 22.4       | 22.1       | 22.4     | 22.4 | 0         | 24.0 |
|          |        |               | 1         | 12                 | 24.3       | 24.1       | 24.2     | 24.2 | 0         | 25.6               | 22.4       | 22.1       | 22.4     | 22.4 | 0         | 24.0 |
| 16QAM    |        | 1             | 24        | 24.3               | 24.1       | 24.2       | 24.2     | 0    | 25.6      | 22.5               | 22.1       | 22.6       | 22.4     | 0    | 24.0      |      |
|          |        | 12            | 0         | 24.2               | 23.9       | 24.1       | 24.0     | 0.9  | 24.7      | 22.5               | 22.2       | 22.5       | 22.4     | 0    | 24.0      |      |
|          |        | 12            | 7         | 24.2               | 23.9       | 24.1       | 24.0     | 0.9  | 24.7      | 22.5               | 22.2       | 22.5       | 22.4     | 0    | 24.0      |      |
|          |        | 12            | 13        | 24.2               | 23.9       | 24.0       | 24.0     | 0.9  | 24.7      | 22.5               | 22.2       | 22.4       | 22.3     | 0    | 24.0      |      |
|          |        | 25            | 0         | 24.2               | 23.9       | 24.1       | 24.0     | 0.9  | 24.7      | 22.6               | 22.3       | 22.5       | 22.4     | 0    | 24.0      |      |
|          |        | 1             | 0         | 24.1               | 23.8       | 24.0       | 24.0     | 0.9  | 24.7      | 22.5               | 22.1       | 22.3       | 22.7     | 0    | 24.0      |      |
| 64QAM    |        | 1             | 12        | 24.0               | 23.7       | 24.0       | 23.9     | 0.9  | 24.7      | 22.5               | 22.1       | 22.4       | 22.8     | 0    | 24.0      |      |
|          |        | 1             | 24        | 24.1               | 23.8       | 24.0       | 23.9     | 0.9  | 24.7      | 22.5               | 22.2       | 22.2       | 22.8     | 0    | 24.0      |      |
|          |        | 12            | 0         | 23.2               | 22.8       | 23.1       | 23.1     | 1.9  | 23.7      | 22.5               | 22.1       | 22.5       | 22.4     | 0.3  | 23.7      |      |
|          |        | 12            | 7         | 23.1               | 22.8       | 23.1       | 23.0     | 1.9  | 23.7      | 22.5               | 22.1       | 22.4       | 22.4     | 0.3  | 23.7      |      |
|          |        | 12            | 13        | 23.1               | 22.8       | 23.0       | 23.0     | 1.9  | 23.7      | 22.5               | 22.1       | 22.3       | 22.4     | 0.3  | 23.7      |      |
|          |        | 25            | 0         | 23.1               | 22.8       | 23.1       | 23.0     | 1.9  | 23.7      | 22.5               | 22.2       | 22.4       | 22.3     | 0.3  | 23.7      |      |
| 256QAM   |        | 1             | 0         | 22.9               | 22.6       | 22.8       | 22.8     | 1.9  | 23.7      | 22.6               | 22.3       | 22.6       | 22.3     | 0.3  | 23.7      |      |
|          |        | 1             | 12        | 22.8               | 22.5       | 22.8       | 22.8     | 1.9  | 23.7      | 22.5               | 22.2       | 22.4       | 22.3     | 0.3  | 23.7      |      |
|          |        | 1             | 24        | 22.9               | 22.5       | 22.8       | 22.7     | 1.9  | 23.7      | 22.5               | 22.3       | 22.4       | 22.4     | 0.3  | 23.7      |      |
|          |        | 12            | 0         | 22.2               | 21.8       | 22.1       | 22.1     | 2.9  | 22.7      | 22.1               | 21.8       | 22.0       | 21.8     | 1.3  | 22.7      |      |
|          |        | 12            | 7         | 22.2               | 21.9       | 22.1       | 22.1     | 2.9  | 22.7      | 22.1               | 21.8       | 22.0       | 21.8     | 1.3  | 22.7      |      |
|          |        | 12            | 13        | 22.2               | 21.8       | 22.0       | 22.1     | 2.9  | 22.7      | 22.1               | 21.8       | 22.0       | 21.8     | 1.3  | 22.7      |      |
| 256QAM   |        | 25            | 0         | 22.2               | 21.8       | 22.1       | 22.1     | 2.9  | 22.7      | 22.1               | 21.8       | 22.1       | 21.8     | 1.3  | 22.7      |      |
|          |        | 1             | 0         | 19.9               | 19.6       | 19.8       | 19.9     | 4.9  | 20.7      | 19.7               | 19.3       | 19.6       | 19.4     | 3.3  | 20.7      |      |
|          |        | 1             | 12        | 19.9               | 19.6       | 19.8       | 19.8     | 4.9  | 20.7      | 19.6               | 19.3       | 19.6       | 19.3     | 3.3  | 20.7      |      |
|          |        | 1             | 24        | 19.8               | 19.6       | 19.7       | 19.8     | 4.9  | 20.7      | 19.6               | 19.4       | 19.6       | 19.3     | 3.3  | 20.7      |      |
|          |        | 12            | 0         | 20.2               | 19.8       | 20.1       | 20.1     | 4.9  | 20.7      | 20.2               | 19.8       | 20.1       | 19.8     | 3.3  | 20.7      |      |
|          |        | 12            | 7         | 20.2               | 19.8       | 20.1       | 20.1     | 4.9  | 20.7      | 20.2               | 19.8       | 20.1       | 19.8     | 3.3  | 20.7      |      |
| 256QAM   | 12     | 13            | 20.2      | 19.8               | 20.0       | 20.1       | 4.9      | 20.7 | 20.2      | 19.9               | 20.0       | 19.8       | 3.3      | 20.7 |           |      |
|          | 25     | 0             | 20.2      | 19.8               | 20.1       | 20.0       | 4.9      | 20.7 | 20.2      | 19.9               | 20.1       | 19.8       | 3.3      | 20.7 |           |      |

**LTE Band 48 Measured Results (ANT8, Power State 1)**

| Mode   | RB Allocation | RB Offset     | Mode A Power (dBm) |                    |            |            |            |           | Mode B Power (dBm) |                    |            |            |       |           |           |
|--------|---------------|---------------|--------------------|--------------------|------------|------------|------------|-----------|--------------------|--------------------|------------|------------|-------|-----------|-----------|
|        |               |               | 55340              | 55773              | 56207      | 56640      | MPR        | Max Power | 55340              | 55773              | 56207      | 56640      | MPR   | Max Power |           |
|        |               |               | 3560 MHz           | 3603.3 MHz         | 3646.7 MHz | 3690 MHz   |            |           | 3560 MHz           | 3603.3 MHz         | 3646.7 MHz | 3690 MHz   |       |           |           |
| QPSK   | 1             | 0             | 23.7               | 23.7               | 23.8       | 23.7       | 0          | 25.7      | 20.4               | 20.3               | 20.4       | 20.4       | 0     | 22.3      |           |
|        | 1             | 49            | 23.8               | 23.8               | 23.9       | 23.9       | 0          | 25.7      | 20.5               | 20.4               | 20.6       | 20.7       | 0     | 22.3      |           |
|        | 1             | 99            | 23.8               | 23.8               | 23.7       | 23.7       | 0          | 25.7      | 20.5               | 20.3               | 20.4       | 20.5       | 0     | 22.3      |           |
|        | 50            | 0             | 23.7               | 23.7               | 23.8       | 23.9       | 1          | 24.7      | 20.9               | 20.8               | 21.0       | 21.0       | 0     | 22.3      |           |
|        | 50            | 24            | 23.8               | 23.7               | 23.8       | 23.9       | 1          | 24.7      | 20.9               | 20.8               | 21.0       | 21.0       | 0     | 22.3      |           |
|        | 50            | 50            | 23.7               | 23.7               | 23.8       | 23.9       | 1          | 24.7      | 20.9               | 20.8               | 21.0       | 21.0       | 0     | 22.3      |           |
| 16QAM  | 100           | 0             | 23.7               | 23.8               | 23.9       | 23.7       | 1          | 24.7      | 21.0               | 20.9               | 21.0       | 21.0       | 0     | 22.3      |           |
|        | 1             | 0             | 23.7               | 23.7               | 23.3       | 23.3       | 1          | 24.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 1             | 49            | 23.7               | 23.7               | 23.6       | 23.5       | 1          | 24.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 1             | 99            | 23.4               | 23.4               | 23.5       | 23.4       | 1          | 24.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 50            | 0             | 22.7               | 22.7               | 22.6       | 22.6       | 2          | 23.7      | 20.5               | 20.6               | 20.5       | 20.7       | 0     | 22.3      |           |
|        | 50            | 24            | 22.8               | 22.8               | 22.6       | 22.7       | 2          | 23.7      | 20.6               | 20.6               | 20.5       | 20.7       | 0     | 22.3      |           |
| 64QAM  | 50            | 50            | 22.8               | 22.8               | 22.7       | 22.6       | 2          | 23.7      | 20.6               | 20.6               | 20.5       | 20.7       | 0     | 22.3      |           |
|        | 100           | 0             | 22.8               | 22.8               | 22.7       | 22.7       | 2          | 23.7      | 20.7               | 20.7               | 20.5       | 20.7       | 0     | 22.3      |           |
|        | 1             | 0             | 22.3               | 22.3               | 22.2       | 22.3       | 2          | 23.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 1             | 49            | 22.6               | 22.6               | 22.3       | 22.4       | 2          | 23.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 1             | 99            | 22.3               | 22.3               | 22.3       | 22.3       | 2          | 23.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 50            | 0             | 21.8               | 21.8               | 21.7       | 21.6       | 3          | 22.7      | 20.6               | 20.6               | 20.7       | 20.7       | 0     | 22.3      |           |
| 256QAM | 50            | 24            | 21.8               | 21.8               | 21.7       | 21.7       | 3          | 22.7      | 20.6               | 20.6               | 20.7       | 20.7       | 0     | 22.3      |           |
|        | 50            | 50            | 21.8               | 21.8               | 21.7       | 21.7       | 3          | 22.7      | 20.6               | 20.6               | 20.7       | 20.7       | 0     | 22.3      |           |
|        | 100           | 0             | 21.8               | 21.8               | 21.7       | 21.7       | 3          | 22.7      | 20.7               | 20.7               | 20.7       | 20.8       | 0     | 22.3      |           |
|        | 1             | 0             | 19.3               | 19.3               | 19.2       | 19.3       | 5          | 20.7      | 18.9               | 18.9               | 19.0       | 18.9       | 1.6   | 20.7      |           |
|        | 1             | 49            | 19.5               | 19.5               | 19.6       | 19.4       | 5          | 20.7      | 19.1               | 19.0               | 19.2       | 19.0       | 1.6   | 20.7      |           |
|        | 1             | 99            | 19.1               | 19.1               | 19.2       | 19.2       | 5          | 20.7      | 19.0               | 18.8               | 19.1       | 18.9       | 1.6   | 20.7      |           |
| QPSK   | 50            | 0             | 19.8               | 19.8               | 19.7       | 19.7       | 5          | 20.7      | 19.4               | 19.5               | 19.6       | 19.6       | 1.6   | 20.7      |           |
|        | 50            | 24            | 19.8               | 19.8               | 19.7       | 19.7       | 5          | 20.7      | 19.5               | 19.5               | 19.6       | 19.6       | 1.6   | 20.7      |           |
|        | 50            | 50            | 19.8               | 19.8               | 19.8       | 19.7       | 5          | 20.7      | 19.5               | 19.6               | 19.6       | 19.6       | 1.6   | 20.7      |           |
|        | 100           | 0             | 19.9               | 19.9               | 19.8       | 19.8       | 5          | 20.7      | 19.6               | 19.6               | 19.6       | 19.7       | 1.6   | 20.7      |           |
|        | Mode          | RB Allocation | RB Offset          | Mode A Power (dBm) |            |            |            |           |                    | Mode B Power (dBm) |            |            |       |           |           |
|        |               |               |                    | 55315              | 55765      | 56215      | 56665      | MPR       | Max Power          | 55315              | 55765      | 56215      | 56665 | MPR       | Max Power |
|        |               |               | 3557.5 MHz         | 3602.5 MHz         | 3647.5 MHz | 3692.5 MHz | 3557.5 MHz |           |                    | 3602.5 MHz         | 3647.5 MHz | 3692.5 MHz |       |           |           |
| QPSK   | 1             | 0             | 24.0               | 23.8               | 24.1       | 24.1       | 0          | 25.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 1             | 37            | 24.1               | 24.0               | 24.1       | 24.3       | 0          | 25.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 1             | 74            | 24.1               | 24.0               | 24.2       | 24.1       | 0          | 25.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 36            | 0             | 23.6               | 23.4               | 23.6       | 23.6       | 1          | 24.7      | 20.6               | 20.6               | 20.5       | 20.7       | 0     | 22.3      |           |
|        | 36            | 20            | 23.7               | 23.5               | 23.6       | 23.6       | 1          | 24.7      | 20.6               | 20.7               | 20.5       | 20.8       | 0     | 22.3      |           |
|        | 36            | 39            | 23.7               | 23.5               | 23.7       | 23.6       | 1          | 24.7      | 20.6               | 20.7               | 20.5       | 20.8       | 0     | 22.3      |           |
| 16QAM  | 75            | 0             | 23.8               | 23.5               | 23.6       | 23.6       | 1          | 24.7      | 20.6               | 20.7               | 20.5       | 20.8       | 0     | 22.3      |           |
|        | 1             | 0             | 23.3               | 23.1               | 23.3       | 23.3       | 1          | 24.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 1             | 37            | 23.5               | 23.2               | 23.2       | 23.3       | 1          | 24.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 1             | 74            | 23.4               | 23.2               | 23.2       | 23.3       | 1          | 24.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 36            | 0             | 22.6               | 22.4               | 22.5       | 22.5       | 2          | 23.7      | 20.6               | 20.6               | 20.5       | 20.6       | 0     | 22.3      |           |
|        | 36            | 20            | 22.7               | 22.4               | 22.5       | 22.6       | 2          | 23.7      | 20.5               | 20.6               | 20.5       | 20.7       | 0     | 22.3      |           |
| 64QAM  | 36            | 39            | 22.6               | 22.5               | 22.6       | 22.6       | 2          | 23.7      | 20.6               | 20.6               | 20.5       | 20.6       | 0     | 22.3      |           |
|        | 75            | 0             | 22.7               | 22.4               | 22.6       | 22.6       | 2          | 23.7      | 20.6               | 20.6               | 20.5       | 20.7       | 0     | 22.3      |           |
|        | 1             | 0             | 22.3               | 22.1               | 22.3       | 22.2       | 2          | 23.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 1             | 37            | 22.4               | 22.1               | 22.3       | 22.2       | 2          | 23.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 1             | 74            | 22.3               | 22.2               | 22.3       | 22.3       | 2          | 23.7      | 20.3               | 20.3               | 20.3       | 20.3       | 0     | 22.3      |           |
|        | 36            | 0             | 21.6               | 21.4               | 21.6       | 21.5       | 3          | 22.7      | 20.6               | 20.6               | 20.7       | 20.7       | 0     | 22.3      |           |
| 256QAM | 36            | 20            | 21.7               | 21.4               | 21.6       | 21.6       | 3          | 22.7      | 20.6               | 20.6               | 20.7       | 20.7       | 0     | 22.3      |           |
|        | 36            | 39            | 21.7               | 21.4               | 21.6       | 21.6       | 3          | 22.7      | 20.6               | 20.6               | 20.7       | 20.7       | 0     | 22.3      |           |
|        | 75            | 0             | 21.7               | 21.4               | 21.6       | 21.6       | 3          | 22.7      | 20.6               | 20.7               | 20.7       | 20.7       | 0     | 22.3      |           |
|        | 1             | 0             | 19.3               | 19.0               | 19.3       | 19.3       | 5          | 20.7      | 19.0               | 19.0               | 19.3       | 19.0       | 1.6   | 20.7      |           |
|        | 1             | 37            | 19.4               | 19.2               | 19.4       | 19.4       | 5          | 20.7      | 19.0               | 19.1               | 19.2       | 19.0       | 1.6   | 20.7      |           |
|        | 1             | 74            | 19.2               | 19.2               | 19.5       | 19.4       | 5          | 20.7      | 19.1               | 19.1               | 19.2       | 19.0       | 1.6   | 20.7      |           |
| QPSK   | 36            | 0             | 19.7               | 19.4               | 19.6       | 19.7       | 5          | 20.7      | 19.4               | 19.5               | 19.6       | 19.6       | 1.6   | 20.7      |           |
|        | 36            | 20            | 19.7               | 19.4               | 19.7       | 19.7       | 5          | 20.7      | 19.4               | 19.5               | 19.6       | 19.6       | 1.6   | 20.7      |           |
|        | 36            | 39            | 19.7               | 19.5               | 19.7       | 19.7       | 5          | 20.7      | 19.5               | 19.5               | 19.6       | 19.6       | 1.6   | 20.7      |           |
|        | 75            | 0             | 19.8               | 19.5               | 19.7       | 19.7       | 5          | 20.7      | 19.5               | 19.6               | 19.6       | 19.6       | 1.6   | 20.7      |           |

**LTE Band 48 Measured Results (ANT8, Power State 1) (continued)**

| Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |            |            |     |            | Mode B Power (dBm) |            |            |       |     |           |
|--------|---------------|-----------|--------------------|------------|------------|------------|-----|------------|--------------------|------------|------------|-------|-----|-----------|
|        |               |           | 55290              | 55757      | 56223      | 56690      | MPR | Max Power  | 55290              | 55757      | 56223      | 56690 | MPR | Max Power |
|        |               |           | 3555 MHz           | 3601.7 MHz | 3648.3 MHz | 3695 MHz   |     | 3555 MHz   | 3601.7 MHz         | 3648.3 MHz | 3695 MHz   |       |     |           |
| QPSK   | 1             | 0         | 24.0               | 24.0       | 24.1       | 24.0       | 0   | 25.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 1             | 25        | 24.0               | 24.0       | 24.1       | 24.1       | 0   | 25.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 1             | 49        | 24.0               | 24.0       | 24.1       | 24.1       | 0   | 25.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 25            | 0         | 23.7               | 23.6       | 23.7       | 23.6       | 1   | 24.7       | 20.7               | 20.7       | 20.6       | 20.8  | 0   | 22.3      |
|        | 25            | 12        | 23.7               | 23.6       | 23.6       | 23.7       | 1   | 24.7       | 20.7               | 20.7       | 20.6       | 20.8  | 0   | 22.3      |
|        | 25            | 25        | 23.7               | 23.6       | 23.7       | 23.7       | 1   | 24.7       | 20.7               | 20.7       | 20.6       | 20.8  | 0   | 22.3      |
|        | 50            | 0         | 23.7               | 23.6       | 23.7       | 23.8       | 1   | 24.7       | 20.7               | 20.8       | 20.7       | 20.8  | 0   | 22.3      |
| 16QAM  | 1             | 0         | 23.2               | 23.2       | 23.2       | 23.3       | 1   | 24.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 1             | 25        | 23.3               | 23.2       | 23.0       | 23.5       | 1   | 24.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 1             | 49        | 23.2               | 23.2       | 23.4       | 23.4       | 1   | 24.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 25            | 0         | 22.6               | 22.6       | 22.6       | 22.6       | 2   | 23.7       | 20.7               | 20.7       | 20.6       | 20.8  | 0   | 22.3      |
|        | 25            | 12        | 22.6               | 22.6       | 22.6       | 22.7       | 2   | 23.7       | 20.6               | 20.7       | 20.5       | 20.7  | 0   | 22.3      |
|        | 25            | 25        | 22.6               | 22.6       | 22.6       | 22.6       | 2   | 23.7       | 20.6               | 20.7       | 20.5       | 20.7  | 0   | 22.3      |
|        | 50            | 0         | 22.7               | 22.6       | 22.6       | 22.7       | 2   | 23.7       | 20.7               | 20.8       | 20.6       | 20.8  | 0   | 22.3      |
| 64QAM  | 1             | 0         | 22.0               | 22.0       | 22.3       | 22.3       | 2   | 23.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 1             | 25        | 22.1               | 22.0       | 22.2       | 22.4       | 2   | 23.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 1             | 49        | 22.0               | 22.0       | 22.2       | 22.3       | 2   | 23.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 25            | 0         | 21.6               | 21.6       | 21.7       | 21.6       | 3   | 22.7       | 20.6               | 20.6       | 20.8       | 20.8  | 0   | 22.3      |
|        | 25            | 12        | 21.6               | 21.6       | 21.7       | 21.7       | 3   | 22.7       | 20.6               | 20.7       | 20.8       | 20.8  | 0   | 22.3      |
|        | 25            | 25        | 21.6               | 21.6       | 21.7       | 21.7       | 3   | 22.7       | 20.6               | 20.7       | 20.8       | 20.8  | 0   | 22.3      |
|        | 50            | 0         | 21.6               | 21.6       | 21.7       | 21.7       | 3   | 22.7       | 20.7               | 20.7       | 20.8       | 20.8  | 0   | 22.3      |
| 256QAM | 1             | 0         | 19.2               | 19.1       | 19.2       | 19.3       | 5   | 20.7       | 19.1               | 19.1       | 19.2       | 19.2  | 1.6 | 20.7      |
|        | 1             | 25        | 19.2               | 19.2       | 19.2       | 19.4       | 5   | 20.7       | 18.9               | 19.1       | 19.5       | 19.1  | 1.6 | 20.7      |
|        | 1             | 49        | 19.2               | 19.2       | 19.2       | 19.2       | 5   | 20.7       | 19.1               | 19.1       | 19.2       | 19.1  | 1.6 | 20.7      |
|        | 25            | 0         | 19.6               | 19.7       | 19.8       | 19.7       | 5   | 20.7       | 19.6               | 19.5       | 19.7       | 19.7  | 1.6 | 20.7      |
|        | 25            | 12        | 19.6               | 19.6       | 19.7       | 19.7       | 5   | 20.7       | 19.6               | 19.6       | 19.7       | 19.7  | 1.6 | 20.7      |
|        | 25            | 25        | 19.6               | 19.6       | 19.8       | 19.7       | 5   | 20.7       | 19.5               | 19.7       | 19.7       | 19.7  | 1.6 | 20.7      |
|        | 50            | 0         | 19.7               | 19.7       | 19.8       | 19.8       | 5   | 20.7       | 19.6               | 19.7       | 19.7       | 19.7  | 1.6 | 20.7      |
| Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |            |            |     |            | Mode B Power (dBm) |            |            |       |     |           |
|        |               |           | 55265              | 55748      | 56232      | 56715      | MPR | Max Power  | 55265              | 55748      | 56232      | 56715 | MPR | Max Power |
|        |               |           | 3552.5 MHz         | 3600.8 MHz | 3649.2 MHz | 3697.5 MHz |     | 3552.5 MHz | 3600.8 MHz         | 3649.2 MHz | 3697.5 MHz |       |     |           |
| QPSK   | 1             | 0         | 24.1               | 24.0       | 24.1       | 24.0       | 0   | 25.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 1             | 12        | 24.0               | 24.0       | 24.0       | 24.0       | 0   | 25.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 1             | 24        | 24.1               | 24.0       | 24.1       | 24.0       | 0   | 25.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 12            | 0         | 23.7               | 23.6       | 23.7       | 23.7       | 1   | 24.7       | 20.7               | 20.6       | 20.6       | 20.8  | 0   | 22.3      |
|        | 12            | 7         | 23.7               | 23.6       | 23.7       | 23.7       | 1   | 24.7       | 20.7               | 20.7       | 20.6       | 20.8  | 0   | 22.3      |
|        | 12            | 13        | 23.7               | 23.6       | 23.7       | 23.7       | 1   | 24.7       | 20.7               | 20.7       | 20.6       | 20.8  | 0   | 22.3      |
|        | 25            | 0         | 23.7               | 23.6       | 23.7       | 23.7       | 1   | 24.7       | 20.7               | 20.7       | 20.6       | 20.8  | 0   | 22.3      |
| 16QAM  | 1             | 0         | 23.4               | 23.1       | 23.5       | 23.2       | 1   | 24.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 1             | 12        | 23.4               | 23.2       | 23.4       | 23.1       | 1   | 24.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 1             | 24        | 23.4               | 23.2       | 23.4       | 23.1       | 1   | 24.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 12            | 0         | 22.6               | 22.5       | 22.6       | 22.6       | 2   | 23.7       | 20.6               | 20.6       | 20.5       | 20.8  | 0   | 22.3      |
|        | 12            | 7         | 22.6               | 22.5       | 22.6       | 22.6       | 2   | 23.7       | 20.6               | 20.7       | 20.5       | 20.8  | 0   | 22.3      |
|        | 12            | 13        | 22.6               | 22.5       | 22.7       | 22.6       | 2   | 23.7       | 20.6               | 20.7       | 20.5       | 20.7  | 0   | 22.3      |
|        | 25            | 0         | 22.6               | 22.6       | 22.6       | 22.6       | 2   | 23.7       | 20.6               | 20.7       | 20.5       | 20.8  | 0   | 22.3      |
| 64QAM  | 1             | 0         | 22.1               | 21.9       | 22.2       | 22.2       | 2   | 23.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 1             | 12        | 22.0               | 22.0       | 22.2       | 22.1       | 2   | 23.7       | 20.3               | 20.3       | 20.3       | 20.3  | 0   | 22.3      |
|        | 1             | 24        | 22.0               | 22.0       | 22.2       | 22.2       | 2   | 23.7       | 20.3               | 20.9       | 20.3       | 20.3  | 0   | 22.3      |
|        | 12            | 0         | 21.6               | 21.6       | 21.7       | 21.6       | 3   | 22.7       | 20.7               | 20.6       | 20.8       | 20.8  | 0   | 22.3      |
|        | 12            | 7         | 21.6               | 21.6       | 21.6       | 21.6       | 3   | 22.7       | 20.7               | 20.7       | 20.8       | 20.7  | 0   | 22.3      |
|        | 12            | 13        | 21.6               | 21.6       | 21.7       | 21.6       | 3   | 22.7       | 20.7               | 20.7       | 20.8       | 20.7  | 0   | 22.3      |
|        | 25            | 0         | 21.7               | 21.6       | 21.7       | 21.7       | 3   | 22.7       | 20.7               | 20.7       | 20.8       | 20.8  | 0   | 22.3      |
| 256QAM | 1             | 0         | 19.2               | 19.1       | 19.2       | 19.2       | 5   | 20.7       | 19.2               | 19.0       | 19.2       | 19.2  | 1.6 | 20.7      |
|        | 1             | 12        | 19.2               | 19.1       | 19.2       | 19.2       | 5   | 20.7       | 19.0               | 19.1       | 19.2       | 19.1  | 1.6 | 20.7      |
|        | 1             | 24        | 19.1               | 19.2       | 19.2       | 19.3       | 5   | 20.7       | 19.1               | 19.1       | 19.3       | 19.2  | 1.6 | 20.7      |
|        | 12            | 0         | 19.7               | 19.6       | 19.7       | 19.7       | 5   | 20.7       | 19.6               | 19.5       | 19.7       | 19.6  | 1.6 | 20.7      |
|        | 12            | 7         | 19.6               | 19.6       | 19.7       | 19.7       | 5   | 20.7       | 19.5               | 19.6       | 19.6       | 19.6  | 1.6 | 20.7      |
|        | 12            | 13        | 19.6               | 19.6       | 19.7       | 19.7       | 5   | 20.7       | 19.6               | 19.6       | 19.7       | 19.6  | 1.6 | 20.7      |
|        | 25            | 0         | 19.7               | 19.6       | 19.7       | 19.7       | 5   | 20.7       | 19.6               | 19.6       | 19.7       | 19.7  | 1.6 | 20.7      |

**LTE Band 48 Measured Results (ANT9, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |            |          |      |           | Mode B Power (dBm) |            |          |       |      |           |      |
|----------|--------|---------------|-----------|--------------------|------------|------------|----------|------|-----------|--------------------|------------|----------|-------|------|-----------|------|
|          |        |               |           | 55340              | 55773      | 56207      | 56640    | MPR  | Max Power | 55340              | 55773      | 56207    | 56640 | MPR  | Max Power |      |
|          |        |               |           | 3560 MHz           | 3603.3 MHz | 3646.7 MHz | 3690 MHz |      | 3560 MHz  | 3603.3 MHz         | 3646.7 MHz | 3690 MHz |       |      |           |      |
| 20       | QPSK   | 1             | 0         | 22.2               | 22.2       | 22.3       | 22.1     | 0    | 23.7      | 20.7               | 20.4       | 20.7     | 20.7  | 0    | 21.5      |      |
|          |        | 1             | 49        | 22.4               | 22.4       | 22.4       | 22.2     | 0    | 23.7      | 20.7               | 20.7       | 21.0     | 20.8  | 0    | 21.5      |      |
|          |        | 1             | 99        | 22.3               | 22.3       | 22.3       | 22.1     | 0    | 23.7      | 20.6               | 20.6       | 20.8     | 20.6  | 0    | 21.5      |      |
|          |        | 50            | 0         | 22.7               | 22.7       | 22.7       | 22.5     | 0    | 23.7      | 21.2               | 21.0       | 21.4     | 21.3  | 0    | 21.5      |      |
|          |        | 50            | 24        | 22.7               | 22.7       | 22.7       | 22.5     | 0    | 23.7      | 21.1               | 21.1       | 21.3     | 21.2  | 0    | 21.5      |      |
|          |        | 50            | 50        | 22.7               | 22.7       | 22.7       | 22.4     | 0    | 23.7      | 21.1               | 21.1       | 21.3     | 21.2  | 0    | 21.5      |      |
|          | 16QAM  | 100           | 0         | 22.7               | 22.7       | 22.7       | 22.5     | 0    | 23.7      | 21.2               | 21.2       | 21.4     | 21.3  | 0    | 21.5      |      |
|          |        | 1             | 0         | 22.3               | 22.2       | 22.5       | 22.1     | 0    | 23.7      | 20.7               | 20.8       | 20.9     | 20.7  | 0    | 21.5      |      |
|          |        | 1             | 49        | 22.4               | 22.3       | 22.5       | 22.3     | 0    | 23.7      | 20.8               | 21.1       | 21.1     | 20.9  | 0    | 21.5      |      |
|          |        | 1             | 99        | 22.3               | 22.3       | 22.4       | 22.0     | 0    | 23.7      | 20.6               | 20.9       | 20.8     | 20.7  | 0    | 21.5      |      |
|          |        | 50            | 0         | 22.6               | 22.5       | 22.6       | 22.4     | 0    | 23.7      | 21.1               | 21.1       | 21.3     | 21.2  | 0    | 21.5      |      |
|          |        | 50            | 24        | 22.6               | 22.6       | 22.6       | 22.4     | 0    | 23.7      | 21.0               | 21.1       | 21.3     | 21.2  | 0    | 21.5      |      |
|          | 64QAM  | 50            | 50        | 22.6               | 22.6       | 22.7       | 22.4     | 0    | 23.7      | 21.0               | 21.1       | 21.3     | 21.2  | 0    | 21.5      |      |
|          |        | 100           | 0         | 22.7               | 22.6       | 22.7       | 22.4     | 0    | 23.7      | 21.1               | 21.2       | 21.4     | 21.2  | 0    | 21.5      |      |
|          |        | 1             | 0         | 22.3               | 22.2       | 22.3       | 22.1     | 0    | 23.7      | 20.6               | 20.7       | 20.8     | 20.6  | 0    | 21.5      |      |
|          |        | 1             | 49        | 22.3               | 22.3       | 22.3       | 22.1     | 0    | 23.7      | 20.8               | 21.0       | 20.9     | 20.8  | 0    | 21.5      |      |
|          |        | 1             | 99        | 22.3               | 22.3       | 22.3       | 22.0     | 0    | 23.7      | 20.5               | 20.8       | 20.9     | 20.6  | 0    | 21.5      |      |
|          |        | 50            | 0         | 22.1               | 22.1       | 22.1       | 21.8     | 1    | 22.7      | 21.1               | 21.1       | 21.4     | 21.2  | 0    | 21.5      |      |
|          | 256QAM | 50            | 24        | 21.9               | 22.0       | 22.0       | 21.7     | 1    | 22.7      | 21.1               | 21.2       | 21.3     | 21.2  | 0    | 21.5      |      |
|          |        | 50            | 50        | 21.9               | 21.9       | 22.0       | 21.7     | 1    | 22.7      | 21.1               | 21.2       | 21.3     | 21.2  | 0    | 21.5      |      |
|          |        | 100           | 0         | 22.0               | 22.0       | 22.0       | 21.7     | 1    | 22.7      | 21.1               | 21.3       | 21.4     | 21.3  | 0    | 21.5      |      |
|          |        | 1             | 0         | 19.4               | 19.1       | 19.6       | 19.3     | 3    | 20.7      | 19.9               | 19.7       | 20.0     | 19.8  | 0.8  | 20.7      |      |
|          |        | 1             | 49        | 19.4               | 19.3       | 19.4       | 19.3     | 3    | 20.7      | 19.9               | 19.9       | 20.2     | 20.0  | 0.8  | 20.7      |      |
|          |        | 1             | 99        | 19.4               | 19.2       | 19.3       | 19.2     | 3    | 20.7      | 19.8               | 19.8       | 20.0     | 19.8  | 0.8  | 20.7      |      |
|          | 15     | QPSK          | 50        | 0                  | 19.9       | 19.7       | 19.8     | 19.7 | 3         | 20.7               | 20.3       | 20.3     | 20.6  | 20.4 | 0.8       | 20.7 |
|          |        |               | 50        | 24                 | 19.9       | 19.9       | 20.0     | 19.7 | 3         | 20.7               | 20.3       | 20.4     | 20.6  | 20.4 | 0.8       | 20.7 |
|          |        |               | 50        | 50                 | 20.0       | 19.3       | 20.0     | 19.7 | 3         | 20.7               | 20.3       | 20.4     | 20.6  | 20.4 | 0.8       | 20.7 |
|          |        |               | 100       | 0                  | 20.0       | 20.0       | 20.0     | 19.7 | 3         | 20.7               | 20.3       | 20.4     | 20.6  | 20.5 | 0.8       | 20.7 |
|          |        |               | 1         | 0                  | 22.3       | 22.3       | 22.4     | 22.4 | 0         | 23.7               | 20.6       | 20.6     | 21.0  | 20.8 | 0         | 21.5 |
|          |        |               | 1         | 37                 | 22.4       | 22.2       | 22.4     | 22.4 | 0         | 23.7               | 20.6       | 20.7     | 21.0  | 20.8 | 0         | 21.5 |
| 16QAM    |        | 1             | 74        | 22.3               | 22.2       | 22.5       | 22.4     | 0    | 23.7      | 20.6               | 20.8       | 20.9     | 20.8  | 0    | 21.5      |      |
|          |        | 36            | 0         | 22.7               | 22.6       | 22.8       | 22.8     | 0    | 23.7      | 21.1               | 21.0       | 21.4     | 21.2  | 0    | 21.5      |      |
|          |        | 36            | 20        | 22.7               | 22.5       | 22.8       | 22.8     | 0    | 23.7      | 21.0               | 21.1       | 21.4     | 21.2  | 0    | 21.5      |      |
|          |        | 36            | 39        | 22.7               | 22.5       | 22.9       | 22.8     | 0    | 23.7      | 21.0               | 21.1       | 21.4     | 21.2  | 0    | 21.5      |      |
|          |        | 75            | 0         | 22.7               | 22.5       | 22.8       | 22.8     | 0    | 23.7      | 21.1               | 21.1       | 21.4     | 21.2  | 0    | 21.5      |      |
|          |        | 1             | 0         | 22.4               | 22.2       | 22.4       | 22.4     | 0    | 23.7      | 20.7               | 20.6       | 21.0     | 20.9  | 0    | 21.5      |      |
| 64QAM    | 1      | 37            | 22.4      | 22.2               | 22.4       | 22.4       | 0        | 23.7 | 20.6      | 20.8               | 21.0       | 20.9     | 0     | 21.5 |           |      |
|          | 1      | 74            | 22.5      | 22.1               | 22.8       | 22.4       | 0        | 23.7 | 21.0      | 20.7               | 21.0       | 20.8     | 0     | 21.5 |           |      |
|          | 36     | 0             | 22.7      | 22.5               | 22.8       | 22.7       | 0        | 23.7 | 21.1      | 21.0               | 21.4       | 21.2     | 0     | 21.5 |           |      |
|          | 36     | 20            | 22.7      | 22.4               | 22.8       | 22.7       | 0        | 23.7 | 21.1      | 21.1               | 21.3       | 21.2     | 0     | 21.5 |           |      |
|          | 36     | 39            | 22.7      | 22.4               | 22.9       | 22.7       | 0        | 23.7 | 21.0      | 21.1               | 21.3       | 21.2     | 0     | 21.5 |           |      |
|          | 75     | 0             | 22.7      | 22.5               | 22.8       | 22.7       | 0        | 23.7 | 21.1      | 21.1               | 21.4       | 21.2     | 0     | 21.5 |           |      |
| 256QAM   | 1      | 0             | 22.3      | 22.3               | 22.4       | 22.3       | 0        | 23.7 | 20.8      | 20.7               | 21.0       | 20.8     | 0     | 21.5 |           |      |
|          | 1      | 37            | 22.4      | 22.1               | 22.4       | 22.3       | 0        | 23.7 | 20.7      | 20.7               | 20.9       | 20.8     | 0     | 21.5 |           |      |
|          | 1      | 74            | 22.5      | 22.1               | 22.5       | 22.3       | 0        | 23.7 | 20.7      | 20.8               | 21.0       | 20.8     | 0     | 21.5 |           |      |
|          | 36     | 0             | 22.0      | 21.8               | 22.0       | 22.0       | 1        | 22.7 | 21.2      | 21.1               | 21.4       | 21.2     | 0     | 21.5 |           |      |
|          | 36     | 20            | 22.0      | 21.7               | 22.0       | 22.0       | 1        | 22.7 | 21.1      | 21.1               | 21.4       | 21.2     | 0     | 21.5 |           |      |
|          | 36     | 39            | 22.0      | 21.7               | 22.1       | 22.0       | 1        | 22.7 | 21.1      | 21.2               | 21.4       | 21.2     | 0     | 21.5 |           |      |
| 256QAM   | 75     | 0             | 22.0      | 21.8               | 22.1       | 22.0       | 1        | 22.7 | 21.1      | 21.2               | 21.4       | 21.2     | 0     | 21.5 |           |      |
|          | 1      | 0             | 19.5      | 19.3               | 19.6       | 19.6       | 3        | 20.7 | 20.0      | 19.8               | 20.1       | 19.9     | 0.8   | 20.7 |           |      |
|          | 1      | 37            | 19.5      | 19.3               | 19.6       | 19.5       | 3        | 20.7 | 19.8      | 19.9               | 20.1       | 19.8     | 0.8   | 20.7 |           |      |
|          | 1      | 74            | 19.6      | 19.4               | 19.6       | 19.6       | 3        | 20.7 | 19.8      | 20.0               | 20.2       | 19.9     | 0.8   | 20.7 |           |      |
|          | 36     | 0             | 20.0      | 19.8               | 20.1       | 20.1       | 3        | 20.7 | 20.4      | 20.3               | 20.6       | 20.4     | 0.8   | 20.7 |           |      |
|          | 36     | 20            | 20.0      | 19.7               | 20.1       | 20.0       | 3        | 20.7 | 20.3      | 20.3               | 20.5       | 20.4     | 0.8   | 20.7 |           |      |
| 36       | 39     | 20.0          | 19.7      | 20.1               | 20.0       | 3          | 20.7     | 20.3 | 20.4      | 20.5               | 20.4       | 0.8      | 20.7  |      |           |      |
| 75       | 0      | 20.0          | 19.8      | 20.1               | 20.0       | 3          | 20.7     | 20.3 | 20.4      | 20.6               | 20.4       | 0.8      | 20.7  |      |           |      |

**Notes:**

LTE Band 48 Low and High channels were tested using the maximum tune-up limit. This is for testing purposes only. For devices that are released to the market, the tune-up procedure would be followed.

**LTE Band 48 Measured Results (ANT9, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset     | Mode A Power (dBm) |                    |            |            |            |           | Mode B Power (dBm) |                    |            |            |            |           |           |
|----------|--------|---------------|---------------|--------------------|--------------------|------------|------------|------------|-----------|--------------------|--------------------|------------|------------|------------|-----------|-----------|
|          |        |               |               | 55290              | 55757              | 56223      | 56690      | MPR        | Max Power | 55290              | 55757              | 56223      | 56690      | MPR        | Max Power |           |
|          |        |               |               | 3555 MHz           | 3601.7 MHz         | 3648.3 MHz | 3695 MHz   |            |           | 3555 MHz           | 3601.7 MHz         | 3648.3 MHz | 3695 MHz   |            |           |           |
| 10       | QPSK   | 1             | 0             | 22.5               | 22.2               | 22.6       | 22.6       | 0          | 23.7      | 20.8               | 20.6               | 21.0       | 20.8       | 0          | 21.5      |           |
|          |        | 1             | 25            | 22.6               | 22.3               | 22.5       | 22.6       | 0          | 23.7      | 20.8               | 20.7               | 21.0       | 21.1       | 0          | 21.5      |           |
|          |        | 1             | 49            | 22.5               | 22.2               | 22.7       | 22.6       | 0          | 23.7      | 20.7               | 20.7               | 20.9       | 20.8       | 0          | 21.5      |           |
|          |        | 25            | 0             | 22.8               | 22.7               | 23.0       | 23.0       | 0          | 23.7      | 21.2               | 21.1               | 21.4       | 21.2       | 0          | 21.5      |           |
|          |        | 25            | 12            | 22.8               | 22.6               | 22.9       | 23.0       | 0          | 23.7      | 21.2               | 21.2               | 21.4       | 21.2       | 0          | 21.5      |           |
|          |        | 25            | 25            | 22.8               | 22.6               | 23.0       | 23.0       | 0          | 23.7      | 21.1               | 21.2               | 21.4       | 21.2       | 0          | 21.5      |           |
|          | 16QAM  | 50            | 0             | 22.9               | 22.7               | 23.0       | 23.0       | 0          | 23.7      | 21.2               | 21.2               | 21.4       | 21.3       | 0          | 21.5      |           |
|          |        | 1             | 0             | 22.1               | 22.4               | 22.6       | 22.6       | 0          | 23.7      | 20.8               | 20.7               | 21.0       | 20.8       | 0          | 21.5      |           |
|          |        | 1             | 25            | 22.6               | 22.3               | 22.9       | 22.6       | 0          | 23.7      | 20.9               | 21.0               | 21.1       | 20.9       | 0          | 21.5      |           |
|          |        | 1             | 49            | 22.6               | 22.3               | 22.7       | 22.6       | 0          | 23.7      | 20.7               | 20.9               | 21.0       | 20.8       | 0          | 21.5      |           |
|          |        | 25            | 0             | 22.8               | 22.7               | 22.9       | 23.0       | 0          | 23.7      | 21.1               | 21.1               | 21.4       | 21.2       | 0          | 21.5      |           |
|          |        | 25            | 12            | 22.8               | 22.6               | 22.9       | 22.9       | 0          | 23.7      | 21.1               | 21.1               | 21.4       | 21.2       | 0          | 21.5      |           |
|          | 64QAM  | 25            | 25            | 22.8               | 22.6               | 23.0       | 22.9       | 0          | 23.7      | 21.1               | 21.2               | 21.4       | 21.2       | 0          | 21.5      |           |
|          |        | 50            | 0             | 22.8               | 22.6               | 23.0       | 23.0       | 0          | 23.7      | 21.1               | 21.2               | 21.4       | 21.2       | 0          | 21.5      |           |
|          |        | 1             | 0             | 22.5               | 22.3               | 22.5       | 22.5       | 0          | 23.7      | 21.0               | 20.8               | 21.1       | 20.9       | 0          | 21.5      |           |
|          |        | 1             | 25            | 22.4               | 22.2               | 22.5       | 22.5       | 0          | 23.7      | 20.9               | 20.7               | 21.2       | 20.9       | 0          | 21.5      |           |
|          |        | 1             | 49            | 22.5               | 22.2               | 22.6       | 22.5       | 0          | 23.7      | 20.9               | 20.9               | 21.1       | 21.0       | 0          | 21.5      |           |
|          |        | 25            | 0             | 22.0               | 21.9               | 22.2       | 22.2       | 1          | 22.7      | 21.3               | 21.2               | 21.4       | 21.3       | 0          | 21.5      |           |
|          | 256QAM | 25            | 12            | 22.0               | 21.9               | 22.2       | 22.2       | 1          | 22.7      | 21.2               | 21.2               | 21.4       | 21.3       | 0          | 21.5      |           |
|          |        | 25            | 25            | 22.0               | 21.9               | 22.2       | 22.2       | 1          | 22.7      | 21.2               | 21.3               | 21.4       | 21.3       | 0          | 21.5      |           |
|          |        | 50            | 0             | 22.1               | 21.9               | 22.2       | 22.3       | 1          | 22.7      | 21.2               | 21.3               | 21.5       | 21.3       | 0          | 21.5      |           |
|          |        | 1             | 0             | 19.7               | 19.4               | 19.7       | 19.8       | 3          | 20.7      | 20.0               | 19.9               | 20.1       | 19.9       | 0.8        | 20.7      |           |
|          |        | 1             | 25            | 19.6               | 19.4               | 19.7       | 19.6       | 3          | 20.7      | 19.9               | 20.0               | 20.2       | 19.9       | 0.8        | 20.7      |           |
|          |        | 1             | 49            | 19.6               | 19.4               | 19.8       | 19.8       | 3          | 20.7      | 20.0               | 20.0               | 20.1       | 19.9       | 0.8        | 20.7      |           |
|          | 5      | QPSK          | 25            | 0                  | 20.1               | 19.9       | 20.2       | 20.3       | 3         | 20.7               | 20.5               | 20.4       | 20.6       | 20.5       | 0.8       | 20.7      |
|          |        |               | 25            | 12                 | 20.1               | 19.9       | 20.2       | 20.2       | 3         | 20.7               | 20.5               | 20.4       | 20.6       | 20.4       | 0.8       | 20.7      |
|          |        |               | 25            | 25                 | 20.1               | 19.9       | 20.3       | 20.2       | 3         | 20.7               | 20.4               | 20.4       | 20.6       | 20.5       | 0.8       | 20.7      |
|          |        |               | 50            | 0                  | 20.1               | 19.9       | 20.2       | 20.3       | 3         | 20.7               | 20.4               | 20.5       | 20.6       | 20.5       | 0.8       | 20.7      |
| 50       |        |               | 0             | 20.1               | 19.9               | 20.2       | 20.3       | 3          | 20.7      | 20.4               | 20.5               | 20.6       | 20.5       | 0.8        | 20.7      |           |
| 50       |        |               | 0             | 20.1               | 19.9               | 20.2       | 20.3       | 3          | 20.7      | 20.4               | 20.5               | 20.6       | 20.5       | 0.8        | 20.7      |           |
| BW (MHz) |        | Mode          | RB Allocation | RB Offset          | Mode A Power (dBm) |            |            |            |           |                    | Mode B Power (dBm) |            |            |            |           |           |
|          |        |               |               |                    | 55265              | 55748      | 56232      | 56715      | MPR       | Max Power          | 55265              | 55748      | 56232      | 56715      | MPR       | Max Power |
|          |        |               |               |                    | 3552.5 MHz         | 3600.8 MHz | 3649.2 MHz | 3697.5 MHz |           |                    | 3552.5 MHz         | 3600.8 MHz | 3649.2 MHz | 3697.5 MHz |           |           |
| 5        |        | QPSK          | 1             | 0                  | 22.6               | 22.4       | 22.7       | 22.6       | 0         | 23.7               | 20.7               | 20.8       | 21.0       | 20.8       | 0         | 21.5      |
|          |        |               | 1             | 12                 | 22.5               | 22.3       | 22.6       | 22.5       | 0         | 23.7               | 20.6               | 20.7       | 20.9       | 20.8       | 0         | 21.5      |
|          |        |               | 1             | 24                 | 22.6               | 22.4       | 22.7       | 22.7       | 0         | 23.7               | 20.7               | 20.8       | 21.0       | 20.8       | 0         | 21.5      |
|          |        |               | 12            | 0                  | 22.9               | 22.8       | 22.9       | 22.9       | 0         | 23.7               | 21.1               | 21.0       | 21.4       | 21.2       | 0         | 21.5      |
|          |        |               | 12            | 7                  | 22.9               | 22.7       | 22.9       | 22.9       | 0         | 23.7               | 21.1               | 21.1       | 21.4       | 21.2       | 0         | 21.5      |
|          |        |               | 12            | 13                 | 22.9               | 22.7       | 23.0       | 22.9       | 0         | 23.7               | 21.1               | 21.1       | 21.4       | 21.2       | 0         | 21.5      |
|          |        | 16QAM         | 25            | 0                  | 22.9               | 22.7       | 22.9       | 22.9       | 0         | 23.7               | 21.1               | 21.1       | 21.4       | 21.2       | 0         | 21.5      |
|          |        |               | 1             | 0                  | 22.7               | 22.5       | 22.7       | 22.7       | 0         | 23.7               | 20.8               | 20.9       | 21.0       | 20.9       | 0         | 21.5      |
|          |        |               | 1             | 12                 | 22.7               | 22.4       | 22.6       | 22.6       | 0         | 23.7               | 20.9               | 20.9       | 20.9       | 20.7       | 0         | 21.5      |
|          |        |               | 1             | 24                 | 22.7               | 22.4       | 22.7       | 22.6       | 0         | 23.7               | 20.8               | 20.9       | 21.0       | 20.9       | 0         | 21.5      |
|          |        |               | 12            | 0                  | 22.8               | 22.7       | 22.9       | 22.9       | 0         | 23.7               | 21.1               | 21.0       | 21.4       | 21.1       | 0         | 21.5      |
|          |        |               | 12            | 7                  | 22.8               | 22.6       | 22.9       | 22.9       | 0         | 23.7               | 21.1               | 21.1       | 21.3       | 21.1       | 0         | 21.5      |
|          |        | 64QAM         | 12            | 13                 | 22.8               | 22.6       | 22.9       | 22.9       | 0         | 23.7               | 21.1               | 21.1       | 21.3       | 21.1       | 0         | 21.5      |
|          |        |               | 25            | 0                  | 22.9               | 22.6       | 22.9       | 22.9       | 0         | 23.7               | 21.1               | 21.1       | 21.4       | 21.2       | 0         | 21.5      |
|          |        |               | 1             | 0                  | 22.5               | 22.4       | 22.5       | 22.5       | 0         | 23.7               | 20.9               | 20.9       | 21.0       | 21.0       | 0         | 21.5      |
|          |        |               | 1             | 12                 | 22.6               | 22.3       | 22.5       | 22.5       | 0         | 23.7               | 20.9               | 21.0       | 21.0       | 21.0       | 0         | 21.5      |
|          |        |               | 1             | 24                 | 22.5               | 22.3       | 22.6       | 22.5       | 0         | 23.7               | 21.0               | 21.1       | 21.1       | 20.9       | 0         | 21.5      |
|          |        |               | 12            | 0                  | 22.1               | 21.9       | 22.1       | 22.2       | 1         | 22.7               | 21.3               | 21.1       | 21.4       | 21.3       | 0         | 21.5      |
|          |        | 256QAM        | 12            | 7                  | 22.1               | 21.9       | 22.1       | 22.1       | 1         | 22.7               | 21.3               | 21.2       | 21.4       | 21.3       | 0         | 21.5      |
|          | 12     |               | 13            | 22.1               | 21.9               | 22.2       | 22.2       | 1          | 22.7      | 21.2               | 21.2               | 21.4       | 21.3       | 0          | 21.5      |           |
|          | 25     |               | 0             | 22.2               | 21.9               | 22.2       | 22.2       | 1          | 22.7      | 21.3               | 21.2               | 21.4       | 21.3       | 0          | 21.5      |           |
|          | 1      |               | 0             | 19.6               | 19.5               | 19.7       | 19.7       | 3          | 20.7      | 20.0               | 19.9               | 20.1       | 20.0       | 0.8        | 20.7      |           |
|          | 1      |               | 12            | 19.7               | 19.3               | 19.7       | 19.7       | 3          | 20.7      | 20.0               | 19.9               | 20.1       | 20.0       | 0.8        | 20.7      |           |
|          | 1      |               | 24            | 19.7               | 19.5               | 19.8       | 19.7       | 3          | 20.7      | 20.0               | 19.9               | 20.1       | 20.0       | 0.8        | 20.7      |           |
|          | 12     | 0             | 20.2          | 20.0               | 20.2               | 20.2       | 3          | 20.7       | 20.5      | 20.4               | 20.6               | 20.5       | 0.8        | 20.7       |           |           |
|          | 12     | 7             | 20.1          | 19.9               | 20.2               | 20.2       | 3          | 20.7       | 20.5      | 20.4               | 20.6               | 20.5       | 0.8        | 20.7       |           |           |
|          | 12     | 13            | 20.1          | 19.9               | 20.2               | 20.2       | 3          | 20.7       | 20.5      | 20.4               | 20.6               | 20.5       | 0.8        | 20.7       |           |           |
|          | 25     | 0             | 20.1          | 19.9               | 20.2               | 20.2       | 3          | 20.7       | 20.5      | 20.4               | 20.6               | 20.5       | 0.8        | 20.7       |           |           |

**Notes:**

LTE Band 48 Low and High channels were tested using the maximum tune-up limit. This is for testing purposes only. For devices that are released to the market, the tune-up procedure would be followed.



**LTE Band 48 Measured Results (ANT4, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |            |          |     |           | Mode B Power (dBm) |            |            |          |     |           |
|----------|--------|---------------|-----------|--------------------|------------|------------|----------|-----|-----------|--------------------|------------|------------|----------|-----|-----------|
|          |        |               |           | 55340              | 55773      | 56207      | 56640    | MPR | Max Power | 55340              | 55773      | 56207      | 56640    | MPR | Max Power |
|          |        |               |           | 3560 MHz           | 3603.3 MHz | 3646.7 MHz | 3690 MHz |     |           | 3560 MHz           | 3603.3 MHz | 3646.7 MHz | 3690 MHz |     |           |
| 20       | QPSK   | 1             | 0         | 19.9               | 19.6       | 19.9       | 19.8     | 0   | 20.5      | 20.7               | 20.5       | 20.7       | 20.5     | 0   | 22.4      |
|          |        | 1             | 49        | 20.0               | 19.8       | 19.9       | 19.7     | 0   | 20.5      | 20.8               | 20.7       | 20.8       | 20.6     | 0   | 22.4      |
|          |        | 1             | 99        | 19.7               | 19.7       | 19.9       | 19.6     | 0   | 20.5      | 20.6               | 20.7       | 20.6       | 20.5     | 0   | 22.4      |
|          |        | 50            | 0         | 20.0               | 20.0       | 20.0       | 20.1     | 0   | 20.5      | 20.7               | 20.7       | 20.7       | 20.8     | 0   | 22.4      |
|          |        | 50            | 24        | 20.0               | 20.1       | 20.0       | 20.1     | 0   | 20.5      | 20.7               | 20.9       | 20.7       | 20.8     | 0   | 22.4      |
|          |        | 50            | 50        | 20.0               | 20.1       | 20.1       | 20.1     | 0   | 20.5      | 20.7               | 20.9       | 20.8       | 20.8     | 0   | 22.4      |
|          | 16QAM  | 100           | 0         | 20.1               | 20.1       | 20.1       | 20.1     | 0   | 20.5      | 20.8               | 20.9       | 20.8       | 20.9     | 0   | 22.4      |
|          |        | 1             | 0         | 19.0               | 18.9       | 19.2       | 19.1     | 0   | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0   | 22.4      |
|          |        | 1             | 49        | 19.3               | 19.2       | 19.3       | 19.2     | 0   | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0   | 22.4      |
|          |        | 1             | 99        | 19.0               | 19.1       | 19.3       | 18.8     | 0   | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0   | 22.4      |
|          |        | 50            | 0         | 19.7               | 19.6       | 19.9       | 19.8     | 0   | 20.5      | 20.7               | 20.7       | 20.7       | 20.7     | 0   | 22.4      |
|          |        | 50            | 24        | 19.7               | 19.6       | 19.8       | 19.7     | 0   | 20.5      | 20.7               | 20.8       | 20.7       | 20.8     | 0   | 22.4      |
|          | 64QAM  | 50            | 50        | 19.7               | 19.6       | 19.9       | 19.7     | 0   | 20.5      | 20.7               | 20.8       | 20.8       | 20.8     | 0   | 22.4      |
|          |        | 100           | 0         | 19.8               | 19.7       | 19.9       | 19.8     | 0   | 20.5      | 20.8               | 20.9       | 20.8       | 20.8     | 0   | 22.4      |
|          |        | 1             | 0         | 19.0               | 19.0       | 19.1       | 19.0     | 0   | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0   | 22.4      |
|          |        | 1             | 49        | 19.1               | 19.1       | 19.2       | 19.2     | 0   | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0   | 22.4      |
|          |        | 1             | 99        | 18.9               | 19.1       | 19.2       | 19.1     | 0   | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0   | 22.4      |
|          |        | 50            | 0         | 19.8               | 19.8       | 19.9       | 19.8     | 0   | 20.5      | 20.7               | 20.7       | 20.8       | 20.7     | 0   | 22.4      |
|          | 256QAM | 50            | 24        | 19.8               | 19.9       | 19.9       | 19.8     | 0   | 20.5      | 20.7               | 20.8       | 20.8       | 20.7     | 0   | 22.4      |
|          |        | 50            | 50        | 19.8               | 19.9       | 19.9       | 19.8     | 0   | 20.5      | 20.7               | 20.8       | 20.8       | 20.7     | 0   | 22.4      |
|          |        | 100           | 0         | 19.9               | 19.9       | 19.9       | 19.9     | 0   | 20.5      | 20.8               | 20.8       | 20.8       | 20.8     | 0   | 22.4      |
|          |        | 1             | 0         | 18.5               | 18.5       | 18.5       | 18.5     | 0   | 20.5      | 18.7               | 18.7       | 18.7       | 18.7     | 1.7 | 20.7      |
|          |        | 1             | 49        | 18.6               | 18.5       | 18.5       | 18.5     | 0   | 20.5      | 18.7               | 18.7       | 18.7       | 18.7     | 1.7 | 20.7      |
|          |        | 1             | 99        | 18.5               | 18.5       | 18.5       | 18.5     | 0   | 20.5      | 18.7               | 18.7       | 18.7       | 18.7     | 1.7 | 20.7      |
| 15       | QPSK   | 50            | 0         | 19.0               | 19.0       | 19.0       | 18.9     | 0   | 20.5      | 19.0               | 19.0       | 19.0       | 18.9     | 1.7 | 20.7      |
|          |        | 50            | 24        | 19.0               | 19.0       | 19.0       | 19.0     | 0   | 20.5      | 18.9               | 19.0       | 19.0       | 19.0     | 1.7 | 20.7      |
|          |        | 50            | 50        | 19.0               | 19.0       | 19.1       | 19.0     | 0   | 20.5      | 19.0               | 19.0       | 19.1       | 19.0     | 1.7 | 20.7      |
|          |        | 100           | 0         | 19.0               | 19.1       | 19.1       | 19.0     | 0   | 20.5      | 19.0               | 19.1       | 19.1       | 19.1     | 1.7 | 20.7      |
|          |        | 1             | 0         | 19.0               | 18.9       | 19.1       | 19.1     | 0   | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0   | 22.4      |
|          |        | 1             | 37        | 19.1               | 18.9       | 19.1       | 19.1     | 0   | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0   | 22.4      |
|          | 16QAM  | 1             | 74        | 18.9               | 18.8       | 19.2       | 19.2     | 0   | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0   | 22.4      |
|          |        | 36            | 0         | 19.8               | 19.6       | 19.8       | 19.8     | 0   | 20.5      | 20.8               | 20.8       | 20.8       | 20.8     | 0   | 22.4      |
|          |        | 36            | 20        | 19.7               | 19.6       | 19.8       | 19.8     | 0   | 20.5      | 20.8               | 20.8       | 20.8       | 20.8     | 0   | 22.4      |
|          |        | 36            | 39        | 19.7               | 19.6       | 19.9       | 19.8     | 0   | 20.5      | 20.8               | 20.9       | 20.9       | 20.8     | 0   | 22.4      |
|          |        | 75            | 0         | 19.8               | 19.7       | 19.9       | 19.8     | 0   | 20.5      | 20.8               | 20.9       | 20.8       | 20.8     | 0   | 22.4      |
|          |        | 1             | 0         | 19.1               | 18.9       | 19.2       | 19.2     | 0   | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0   | 22.4      |
|          | 64QAM  | 1             | 37        | 19.0               | 18.9       | 19.1       | 19.2     | 0   | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0   | 22.4      |
|          |        | 1             | 74        | 19.0               | 18.9       | 19.2       | 19.2     | 0   | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0   | 22.4      |
|          |        | 36            | 0         | 19.8               | 19.6       | 19.8       | 19.8     | 0   | 20.5      | 20.7               | 20.7       | 20.8       | 20.7     | 0   | 22.4      |
|          |        | 36            | 20        | 19.8               | 19.9       | 19.9       | 19.8     | 0   | 20.5      | 20.7               | 20.8       | 20.8       | 20.8     | 0   | 22.4      |
|          |        | 36            | 39        | 19.8               | 19.9       | 19.9       | 19.8     | 0   | 20.5      | 20.7               | 20.8       | 20.8       | 20.7     | 0   | 22.4      |
|          |        | 75            | 0         | 19.9               | 20.0       | 19.9       | 19.9     | 0   | 20.5      | 20.7               | 20.8       | 20.8       | 20.8     | 0   | 22.4      |
|          | 256QAM | 1             | 0         | 18.5               | 18.5       | 18.6       | 18.5     | 0   | 20.5      | 18.7               | 18.7       | 18.7       | 18.7     | 1.7 | 20.7      |
|          |        | 1             | 37        | 18.6               | 18.5       | 18.6       | 18.5     | 0   | 20.5      | 18.7               | 18.7       | 18.7       | 18.7     | 1.7 | 20.7      |
|          |        | 1             | 74        | 18.6               | 18.6       | 18.7       | 18.5     | 0   | 20.5      | 18.7               | 18.7       | 18.7       | 18.7     | 1.7 | 20.7      |
|          |        | 36            | 0         | 19.0               | 19.0       | 19.1       | 19.0     | 0   | 20.5      | 19.0               | 19.0       | 19.1       | 19.0     | 1.7 | 20.7      |
|          |        | 36            | 20        | 19.0               | 19.0       | 19.0       | 19.0     | 0   | 20.5      | 19.0               | 19.0       | 19.1       | 19.0     | 1.7 | 20.7      |
|          |        | 36            | 39        | 19.0               | 19.1       | 19.1       | 19.0     | 0   | 20.5      | 19.0               | 19.0       | 19.1       | 19.0     | 1.7 | 20.7      |

**LTE Band 48 Measured Results (ANT4, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |            |          |      |           | Mode B Power (dBm) |            |            |          |      |           |      |      |
|----------|--------|---------------|-----------|--------------------|------------|------------|----------|------|-----------|--------------------|------------|------------|----------|------|-----------|------|------|
|          |        |               |           | 55290              | 55757      | 56223      | 56690    | MPR  | Max Power | 55290              | 55757      | 56223      | 56690    | MPR  | Max Power |      |      |
|          |        |               |           | 3555 MHz           | 3601.7 MHz | 3648.3 MHz | 3695 MHz |      |           | 3555 MHz           | 3601.7 MHz | 3648.3 MHz | 3695 MHz |      |           |      |      |
| 10       | QPSK   | 1             | 0         | 19.2               | 18.9       | 19.2       | 19.2     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0    | 22.4      |      |      |
|          |        | 1             | 25        | 19.2               | 19.0       | 19.3       | 19.2     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0    | 22.4      |      |      |
|          |        | 1             | 49        | 19.1               | 18.8       | 19.3       | 19.3     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0    | 22.4      |      |      |
|          |        | 25            | 0         | 19.9               | 19.7       | 19.9       | 19.8     | 0    | 20.5      | 20.8               | 20.9       | 20.9       | 20.9     | 0    | 22.4      |      |      |
|          |        | 25            | 12        | 19.9               | 19.7       | 19.9       | 19.8     | 0    | 20.5      | 20.8               | 20.9       | 20.9       | 20.9     | 0    | 22.4      |      |      |
|          |        | 25            | 25        | 19.8               | 19.7       | 20.0       | 19.8     | 0    | 20.5      | 20.8               | 20.9       | 20.9       | 20.9     | 0    | 22.4      |      |      |
|          | 16QAM  | 50            | 0         | 19.9               | 19.7       | 19.9       | 19.8     | 0    | 20.5      | 20.9               | 21.0       | 20.9       | 20.9     | 0    | 22.4      |      |      |
|          |        | 1             | 0         | 19.4               | 19.1       | 19.2       | 19.2     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0    | 22.4      |      |      |
|          |        | 1             | 25        | 19.2               | 19.1       | 19.3       | 19.1     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0    | 22.4      |      |      |
|          |        | 1             | 49        | 19.2               | 19.2       | 19.4       | 19.2     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0    | 22.4      |      |      |
|          |        | 25            | 0         | 19.8               | 19.7       | 19.9       | 19.8     | 0    | 20.5      | 20.8               | 20.8       | 20.8       | 20.9     | 0    | 22.4      |      |      |
|          |        | 25            | 12        | 19.8               | 19.7       | 19.9       | 19.8     | 0    | 20.5      | 20.8               | 20.8       | 20.8       | 20.8     | 0    | 22.4      |      |      |
|          | 64QAM  | 25            | 25        | 19.8               | 19.7       | 19.9       | 19.8     | 0    | 20.5      | 20.8               | 20.9       | 20.8       | 20.8     | 0    | 22.4      |      |      |
|          |        | 50            | 0         | 19.8               | 19.7       | 19.9       | 19.8     | 0    | 20.5      | 20.8               | 20.9       | 20.8       | 20.9     | 0    | 22.4      |      |      |
|          |        | 1             | 0         | 19.3               | 19.1       | 19.4       | 19.3     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0    | 22.4      |      |      |
|          |        | 1             | 25        | 19.4               | 19.1       | 19.2       | 19.1     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0    | 22.4      |      |      |
|          |        | 1             | 49        | 19.3               | 19.2       | 19.3       | 19.2     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0    | 22.4      |      |      |
|          |        | 25            | 0         | 19.9               | 19.9       | 19.9       | 19.9     | 0    | 20.5      | 20.8               | 20.8       | 20.9       | 20.8     | 0    | 22.4      |      |      |
|          | 256QAM | 25            | 12        | 19.9               | 19.9       | 19.9       | 19.9     | 0    | 20.5      | 20.8               | 20.8       | 20.8       | 20.8     | 0    | 22.4      |      |      |
|          |        | 25            | 25        | 19.9               | 19.9       | 20.0       | 19.9     | 0    | 20.5      | 20.8               | 20.8       | 20.9       | 20.8     | 0    | 22.4      |      |      |
|          |        | 50            | 0         | 20.0               | 20.0       | 19.9       | 19.9     | 0    | 20.5      | 20.8               | 20.9       | 20.9       | 20.9     | 0    | 22.4      |      |      |
|          |        | 1             | 0         | 18.5               | 18.5       | 18.6       | 18.5     | 0    | 20.5      | 18.7               | 18.7       | 18.7       | 18.7     | 1.7  | 20.7      |      |      |
|          |        | 1             | 25        | 18.5               | 18.6       | 18.6       | 18.6     | 0    | 20.5      | 18.7               | 18.7       | 18.7       | 18.7     | 1.7  | 20.7      |      |      |
|          |        | 1             | 49        | 18.6               | 18.7       | 18.6       | 18.5     | 0    | 20.5      | 18.7               | 18.8       | 18.7       | 18.7     | 1.7  | 20.7      |      |      |
|          | 5      | QPSK          | 25        | 0                  | 19.1       | 19.0       | 19.1     | 19.1 | 0         | 20.5               | 19.0       | 19.0       | 19.1     | 19.1 | 1.7       | 20.7 |      |
|          |        |               | 25        | 12                 | 19.1       | 19.1       | 19.0     | 19.1 | 0         | 20.5               | 19.0       | 19.1       | 19.1     | 19.1 | 1.7       | 20.7 |      |
|          |        |               | 25        | 25                 | 19.1       | 19.1       | 19.1     | 19.1 | 0         | 20.5               | 19.0       | 19.1       | 19.1     | 19.1 | 1.7       | 20.7 |      |
|          |        |               | 50        | 0                  | 19.1       | 19.1       | 19.1     | 19.1 | 0         | 20.5               | 19.1       | 19.1       | 19.1     | 19.1 | 1.7       | 20.7 |      |
|          |        |               | 16QAM     | 1                  | 0          | 19.2       | 19.1     | 19.3 | 19.4      | 0                  | 20.5       | 20.4       | 20.4     | 20.4 | 20.4      | 0    | 22.4 |
|          |        |               |           | 1                  | 12         | 19.2       | 19.0     | 19.2 | 19.1      | 0                  | 20.5       | 20.4       | 20.4     | 20.4 | 20.4      | 0    | 22.4 |
| 1        |        | 24            |           | 19.1               | 19.1       | 19.3       | 19.3     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0    | 22.4      |      |      |
| 12       |        | 0             |           | 19.9               | 19.7       | 19.9       | 19.9     | 0    | 20.5      | 20.8               | 20.8       | 20.9       | 20.9     | 0    | 22.4      |      |      |
| 12       |        | 7             |           | 19.9               | 19.7       | 19.9       | 19.9     | 0    | 20.5      | 20.8               | 20.9       | 20.9       | 20.8     | 0    | 22.4      |      |      |
| 12       |        | 13            |           | 19.9               | 19.7       | 19.9       | 19.9     | 0    | 20.5      | 20.8               | 20.9       | 20.9       | 20.9     | 0    | 22.4      |      |      |
| 64QAM    |        | 25            | 0         | 19.9               | 19.7       | 19.9       | 19.9     | 0    | 20.5      | 20.8               | 20.9       | 20.9       | 20.9     | 0    | 22.4      |      |      |
|          |        | 1             | 0         | 19.2               | 19.1       | 19.3       | 19.5     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0    | 22.4      |      |      |
|          |        | 1             | 12        | 19.2               | 19.2       | 19.3       | 19.3     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0    | 22.4      |      |      |
|          |        | 1             | 24        | 19.3               | 19.1       | 19.2       | 19.4     | 0    | 20.5      | 20.4               | 20.6       | 20.4       | 20.4     | 0    | 22.4      |      |      |
|          |        | 12            | 0         | 19.8               | 19.7       | 19.8       | 19.8     | 0    | 20.5      | 20.8               | 20.8       | 20.9       | 20.8     | 0    | 22.4      |      |      |
|          |        | 12            | 7         | 19.8               | 19.6       | 19.8       | 19.8     | 0    | 20.5      | 20.8               | 20.8       | 20.8       | 20.8     | 0    | 22.4      |      |      |
| 256QAM   |        | 12            | 13        | 19.8               | 19.7       | 19.9       | 19.8     | 0    | 20.5      | 20.8               | 20.8       | 20.9       | 20.8     | 0    | 22.4      |      |      |
|          |        | 25            | 0         | 19.9               | 19.7       | 19.9       | 19.8     | 0    | 20.5      | 20.8               | 20.8       | 20.8       | 20.9     | 0    | 22.4      |      |      |
|          |        | 1             | 0         | 19.4               | 19.1       | 19.1       | 19.3     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0    | 22.4      |      |      |
|          |        | 1             | 12        | 19.2               | 19.3       | 19.2       | 19.3     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.4     | 0    | 22.4      |      |      |
|          |        | 1             | 24        | 19.3               | 19.2       | 19.2       | 19.3     | 0    | 20.5      | 20.4               | 20.4       | 20.4       | 20.5     | 0    | 22.4      |      |      |
|          |        | 12            | 0         | 19.9               | 19.9       | 19.8       | 19.9     | 0    | 20.5      | 20.8               | 20.8       | 20.9       | 20.9     | 0    | 22.4      |      |      |
| 256QAM   |        | 12            | 7         | 19.9               | 19.9       | 19.9       | 19.9     | 0    | 20.5      | 20.8               | 20.8       | 20.9       | 20.9     | 0    | 22.4      |      |      |
|          |        | 25            | 0         | 19.9               | 20.0       | 19.9       | 19.9     | 0    | 20.5      | 20.8               | 20.9       | 20.9       | 20.9     | 0    | 22.4      |      |      |
|          |        | 1             | 0         | 18.5               | 18.5       | 18.6       | 18.5     | 0    | 20.5      | 18.7               | 18.7       | 18.7       | 18.7     | 1.7  | 20.7      |      |      |
|          |        | 1             | 12        | 18.5               | 18.5       | 18.5       | 18.5     | 0    | 20.5      | 18.7               | 18.7       | 18.7       | 18.7     | 1.7  | 20.7      |      |      |
|          |        | 1             | 24        | 18.7               | 18.5       | 18.6       | 18.6     | 0    | 20.5      | 18.7               | 18.7       | 18.7       | 18.7     | 1.7  | 20.7      |      |      |
|          |        | 12            | 0         | 19.0               | 19.0       | 19.0       | 19.0     | 0    | 20.5      | 19.0               | 19.0       | 19.1       | 19.2     | 1.7  | 20.7      |      |      |
| 256QAM   |        | 12            | 7         | 19.1               | 19.0       | 19.0       | 19.1     | 0    | 20.5      | 19.0               | 19.1       | 19.1       | 19.2     | 1.7  | 20.7      |      |      |
|          |        | 12            | 13        | 19.0               | 19.0       | 19.1       | 19.0     | 0    | 20.5      | 19.0               | 19.0       | 19.1       | 19.1     | 1.7  | 20.7      |      |      |
|          | 25     | 0             | 19.0      | 19.1               | 19.0       | 19.1       | 0        | 20.5 | 19.1      | 19.0               | 19.1       | 19.1       | 1.7      | 20.7 |           |      |      |

**LTE Band 53 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |   |      |           | Mode B Power (dBm) |   |      |           |
|----------|--------|---------------|-----------|--------------------|---|------|-----------|--------------------|---|------|-----------|
|          |        |               |           | 60197              |   | MPR  | Max Power | 60197              |   | MPR  | Max Power |
|          |        |               |           | 2489.2 MHz         |   |      |           | 2489.2 MHz         |   |      |           |
| 10       | QPSK   | 1             | 0         | 19.6               |   | 0    | 20.7      | 19.6               |   | 0    | 20.7      |
|          |        | 1             | 25        | 19.7               |   | 0    | 20.7      | 19.7               |   | 0    | 20.7      |
|          |        | 1             | 49        | 19.6               |   | 0    | 20.7      | 19.6               |   | 0    | 20.7      |
|          |        | 25            | 0         | 19.7               |   | 0    | 20.7      | 19.7               |   | 0    | 20.7      |
|          |        | 25            | 12        | 19.7               |   | 0    | 20.7      | 19.7               |   | 0    | 20.7      |
|          |        | 25            | 25        | 19.7               |   | 0    | 20.7      | 19.7               |   | 0    | 20.7      |
|          | 16QAM  | 50            | 0         | 19.8               |   | 0    | 20.7      | 19.8               |   | 0    | 20.7      |
|          |        | 1             | 0         | 19.6               |   | 0    | 20.7      | 19.6               |   | 0    | 20.7      |
|          |        | 1             | 25        | 19.6               |   | 0    | 20.7      | 19.6               |   | 0    | 20.7      |
|          |        | 1             | 49        | 19.4               |   | 0    | 20.7      | 19.4               |   | 0    | 20.7      |
|          |        | 25            | 0         | 19.7               |   | 0    | 20.7      | 19.7               |   | 0    | 20.7      |
|          |        | 25            | 12        | 19.6               |   | 0    | 20.7      | 19.6               |   | 0    | 20.7      |
|          | 64QAM  | 25            | 25        | 19.6               |   | 0    | 20.7      | 19.6               |   | 0    | 20.7      |
|          |        | 50            | 0         | 19.7               |   | 0    | 20.7      | 19.7               |   | 0    | 20.7      |
|          |        | 1             | 0         | 19.7               |   | 0    | 20.7      | 19.7               |   | 0    | 20.7      |
|          |        | 1             | 25        | 19.6               |   | 0    | 20.7      | 19.6               |   | 0    | 20.7      |
|          |        | 1             | 49        | 19.8               |   | 0    | 20.7      | 19.8               |   | 0    | 20.7      |
|          |        | 25            | 0         | 19.7               |   | 0    | 20.7      | 19.7               |   | 0    | 20.7      |
|          | 256QAM | 25            | 12        | 19.7               |   | 0    | 20.7      | 19.7               |   | 0    | 20.7      |
|          |        | 25            | 25        | 19.7               |   | 0    | 20.7      | 19.7               |   | 0    | 20.7      |
| 50       |        | 0             | 19.7      |                    | 0 | 20.7 | 19.7      |                    | 0 | 20.7 |           |
| 1        |        | 0             | 19.7      |                    | 0 | 20.7 | 19.7      |                    | 0 | 20.7 |           |
| 1        |        | 25            | 19.6      |                    | 0 | 20.7 | 19.6      |                    | 0 | 20.7 |           |
| 1        |        | 49            | 19.7      |                    | 0 | 20.7 | 19.7      |                    | 0 | 20.7 |           |
| 5        | QPSK   | 25            | 0         | 19.7               |   | 0    | 20.7      | 19.7               |   | 0    | 20.7      |
|          |        | 1             | 0         | 19.6               |   | 0    | 20.7      | 19.6               |   | 0    | 20.7      |
|          |        | 1             | 12        | 19.6               |   | 0    | 20.7      | 19.6               |   | 0    | 20.7      |
|          |        | 1             | 24        | 19.6               |   | 0    | 20.7      | 19.6               |   | 0    | 20.7      |
|          |        | 12            | 0         | 19.6               |   | 0    | 20.7      | 19.6               |   | 0    | 20.7      |
|          |        | 12            | 7         | 19.7               |   | 0    | 20.7      | 19.7               |   | 0    | 20.7      |
|          | 16QAM  | 12            | 13        | 19.7               |   | 0    | 20.7      | 19.7               |   | 0    | 20.7      |
|          |        | 25            | 0         | 19.7               |   | 0    | 20.7      | 19.7               |   | 0    | 20.7      |
|          |        | 1             | 0         | 19.6               |   | 0    | 20.7      | 19.6               |   | 0    | 20.7      |
|          |        | 1             | 12        | 19.6               |   | 0    | 20.7      | 19.6               |   | 0    | 20.7      |
| 1        |        | 24            | 19.5      |                    | 0 | 20.7 | 19.5      |                    | 0 | 20.7 |           |
| 12       |        | 0             | 19.6      |                    | 0 | 20.7 | 19.6      |                    | 0 | 20.7 |           |
| 64QAM    | 12     | 7             | 19.6      |                    | 0 | 20.7 | 19.6      |                    | 0 | 20.7 |           |
|          | 12     | 13            | 19.6      |                    | 0 | 20.7 | 19.6      |                    | 0 | 20.7 |           |
|          | 25     | 0             | 19.7      |                    | 0 | 20.7 | 19.7      |                    | 0 | 20.7 |           |
|          | 1      | 0             | 19.7      |                    | 0 | 20.7 | 19.7      |                    | 0 | 20.7 |           |
|          | 1      | 12            | 19.6      |                    | 0 | 20.7 | 19.6      |                    | 0 | 20.7 |           |
|          | 1      | 24            | 19.7      |                    | 0 | 20.7 | 19.7      |                    | 0 | 20.7 |           |
| 256QAM   | 12     | 0             | 19.6      |                    | 0 | 20.7 | 19.6      |                    | 0 | 20.7 |           |
|          | 12     | 7             | 19.7      |                    | 0 | 20.7 | 19.7      |                    | 0 | 20.7 |           |
|          | 12     | 13            | 19.6      |                    | 0 | 20.7 | 19.6      |                    | 0 | 20.7 |           |
|          | 25     | 0             | 19.6      |                    | 0 | 20.7 | 19.6      |                    | 0 | 20.7 |           |
|          | 1      | 0             | 19.6      |                    | 0 | 20.7 | 19.6      |                    | 0 | 20.7 |           |
|          | 1      | 12            | 19.7      |                    | 0 | 20.7 | 19.7      |                    | 0 | 20.7 |           |

**LTE Band 53 Measured Results (ANT1, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |            |      |           | Mode B Power (dBm) |            |            |      |           |
|----------|--------|---------------|-----------|--------------------|------------|------------|------|-----------|--------------------|------------|------------|------|-----------|
|          |        |               |           | 60155              | 60197      | 60240      | MPR  | Max Power | 60155              | 60197      | 60240      | MPR  | Max Power |
|          |        |               |           | 2485 MHz           | 2489.2 MHz | 2493.5 MHz |      |           | 2485 MHz           | 2489.2 MHz | 2493.5 MHz |      |           |
| 3        | QPSK   | 1             | 0         | 19.3               | 19.4       | 19.4       | 0    | 20.7      | 19.3               | 19.4       | 19.4       | 0    | 20.7      |
|          |        | 1             | 8         | 19.5               | 19.6       | 19.6       | 0    | 20.7      | 19.5               | 19.6       | 19.6       | 0    | 20.7      |
|          |        | 1             | 14        | 19.4               | 19.4       | 19.5       | 0    | 20.7      | 19.4               | 19.4       | 19.5       | 0    | 20.7      |
|          |        | 8             | 0         | 19.7               | 19.6       | 19.6       | 0    | 20.7      | 19.7               | 19.6       | 19.6       | 0    | 20.7      |
|          |        | 8             | 4         | 19.7               | 19.7       | 19.7       | 0    | 20.7      | 19.7               | 19.7       | 19.7       | 0    | 20.7      |
|          |        | 8             | 7         | 19.6               | 19.6       | 19.7       | 0    | 20.7      | 19.6               | 19.6       | 19.7       | 0    | 20.7      |
|          | 16QAM  | 15            | 0         | 19.6               | 19.6       | 19.7       | 0    | 20.7      | 19.6               | 19.6       | 19.7       | 0    | 20.7      |
|          |        | 1             | 0         | 19.4               | 19.5       | 19.5       | 0    | 20.7      | 19.4               | 19.5       | 19.5       | 0    | 20.7      |
|          |        | 1             | 8         | 19.5               | 19.8       | 19.7       | 0    | 20.7      | 19.5               | 19.8       | 19.7       | 0    | 20.7      |
|          |        | 1             | 14        | 19.4               | 19.5       | 19.5       | 0    | 20.7      | 19.4               | 19.5       | 19.5       | 0    | 20.7      |
|          |        | 8             | 0         | 19.6               | 19.6       | 19.6       | 0    | 20.7      | 19.6               | 19.6       | 19.6       | 0    | 20.7      |
|          |        | 8             | 4         | 19.6               | 19.6       | 19.6       | 0    | 20.7      | 19.6               | 19.6       | 19.6       | 0    | 20.7      |
|          | 64QAM  | 8             | 7         | 19.6               | 19.6       | 19.7       | 0    | 20.7      | 19.6               | 19.6       | 19.7       | 0    | 20.7      |
|          |        | 15            | 0         | 19.6               | 19.6       | 19.7       | 0    | 20.7      | 19.6               | 19.6       | 19.7       | 0    | 20.7      |
|          |        | 1             | 0         | 19.4               | 19.4       | 19.6       | 0    | 20.7      | 19.4               | 19.4       | 19.6       | 0    | 20.7      |
|          |        | 1             | 8         | 19.7               | 19.6       | 19.8       | 0    | 20.7      | 19.7               | 19.6       | 19.8       | 0    | 20.7      |
|          |        | 1             | 14        | 19.5               | 19.4       | 19.6       | 0    | 20.7      | 19.5               | 19.4       | 19.6       | 0    | 20.7      |
|          |        | 8             | 0         | 19.6               | 19.6       | 19.7       | 0    | 20.7      | 19.6               | 19.6       | 19.7       | 0    | 20.7      |
|          | 256QAM | 8             | 4         | 19.6               | 19.7       | 19.7       | 0    | 20.7      | 19.6               | 19.7       | 19.7       | 0    | 20.7      |
|          |        | 8             | 7         | 19.6               | 19.7       | 19.7       | 0    | 20.7      | 19.6               | 19.7       | 19.7       | 0    | 20.7      |
|          |        | 15            | 0         | 19.6               | 19.6       | 19.7       | 0    | 20.7      | 19.6               | 19.6       | 19.7       | 0    | 20.7      |
|          |        | 1             | 0         | 19.4               | 19.4       | 19.5       | 0    | 20.7      | 19.4               | 19.4       | 19.5       | 0    | 20.7      |
|          |        | 1             | 8         | 19.6               | 19.6       | 19.7       | 0    | 20.7      | 19.6               | 19.6       | 19.7       | 0    | 20.7      |
|          |        | 1             | 14        | 19.3               | 19.3       | 19.5       | 0    | 20.7      | 19.3               | 19.3       | 19.5       | 0    | 20.7      |
| 1.4      | QPSK   | 8             | 0         | 19.6               | 19.7       | 19.7       | 0    | 20.7      | 19.6               | 19.7       | 19.7       | 0    | 20.7      |
|          |        | 8             | 4         | 19.6               | 19.6       | 19.7       | 0    | 20.7      | 19.6               | 19.6       | 19.7       | 0    | 20.7      |
|          |        | 8             | 7         | 19.6               | 19.6       | 19.7       | 0    | 20.7      | 19.6               | 19.6       | 19.7       | 0    | 20.7      |
|          |        | 6             | 0         | 19.5               | 19.6       | 19.6       | 0    | 20.7      | 19.5               | 19.6       | 19.6       | 0    | 20.7      |
|          |        | 1             | 0         | 19.5               | 19.4       | 19.5       | 0    | 20.7      | 19.5               | 19.4       | 19.5       | 0    | 20.7      |
|          |        | 1             | 3         | 19.5               | 19.3       | 19.8       | 0    | 20.7      | 19.5               | 19.3       | 19.8       | 0    | 20.7      |
|          | 16QAM  | 1             | 5         | 19.5               | 19.6       | 19.5       | 0    | 20.7      | 19.5               | 19.6       | 19.5       | 0    | 20.7      |
|          |        | 3             | 0         | 19.6               | 19.6       | 19.7       | 0    | 20.7      | 19.6               | 19.6       | 19.7       | 0    | 20.7      |
|          |        | 3             | 1         | 19.7               | 19.7       | 19.8       | 0    | 20.7      | 19.7               | 19.7       | 19.8       | 0    | 20.7      |
|          |        | 3             | 3         | 19.4               | 19.4       | 19.8       | 0    | 20.7      | 19.4               | 19.4       | 19.8       | 0    | 20.7      |
|          |        | 6             | 0         | 19.5               | 19.5       | 19.6       | 0    | 20.7      | 19.5               | 19.5       | 19.6       | 0    | 20.7      |
|          |        | 1             | 0         | 19.4               | 19.2       | 19.4       | 0    | 20.7      | 19.4               | 19.2       | 19.4       | 0    | 20.7      |
| 64QAM    | 1      | 3             | 19.4      | 19.2               | 20.0       | 0          | 20.7 | 19.4      | 19.2               | 20.0       | 0          | 20.7 |           |
|          | 1      | 5             | 19.4      | 19.2               | 19.7       | 0          | 20.7 | 19.4      | 19.2               | 19.7       | 0          | 20.7 |           |
|          | 3      | 0             | 19.6      | 19.3               | 19.5       | 0          | 20.7 | 19.6      | 19.3               | 19.5       | 0          | 20.7 |           |
|          | 3      | 1             | 19.7      | 19.3               | 19.8       | 0          | 20.7 | 19.7      | 19.3               | 19.8       | 0          | 20.7 |           |
|          | 3      | 3             | 19.7      | 19.3               | 19.7       | 0          | 20.7 | 19.7      | 19.3               | 19.7       | 0          | 20.7 |           |
|          | 6      | 0             | 19.6      | 19.1               | 19.7       | 0          | 20.7 | 19.6      | 19.1               | 19.7       | 0          | 20.7 |           |
| 256QAM   | 1      | 0             | 19.6      | 18.9               | 19.6       | 0          | 20.7 | 19.6      | 18.9               | 19.6       | 0          | 20.7 |           |
|          | 1      | 3             | 19.6      | 19.4               | 19.8       | 0          | 20.7 | 19.6      | 19.4               | 19.8       | 0          | 20.7 |           |
|          | 1      | 5             | 19.5      | 19.2               | 19.5       | 0          | 20.7 | 19.5      | 19.2               | 19.5       | 0          | 20.7 |           |
|          | 3      | 0             | 19.3      | 19.3               | 19.7       | 0          | 20.7 | 19.3      | 19.3               | 19.7       | 0          | 20.7 |           |
|          | 3      | 1             | 19.6      | 19.3               | 19.8       | 0          | 20.7 | 19.6      | 19.3               | 19.8       | 0          | 20.7 |           |
|          | 3      | 3             | 19.7      | 19.4               | 19.9       | 0          | 20.7 | 19.7      | 19.4               | 19.9       | 0          | 20.7 |           |
| 6        | 0      | 19.6          | 19.3      | 19.7               | 0          | 20.7       | 19.6 | 19.3      | 19.7               | 0          | 20.7       |      |           |

**LTE Band 53 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |     |      |           | Mode B Power (dBm) |     |      |           |
|----------|--------|---------------|-----------|--------------------|-----|------|-----------|--------------------|-----|------|-----------|
|          |        |               |           | 60197              |     | MPR  | Max Power | 60197              |     | MPR  | Max Power |
|          |        |               |           | 2489.2 MHz         |     |      |           | 2489.2 MHz         |     |      |           |
| 10       | QPSK   | 1             | 0         | 19.3               |     | 0    | 20.3      | 19.9               |     | 0    | 20.7      |
|          |        | 1             | 25        | 19.2               |     | 0    | 20.3      | 19.9               |     | 0    | 20.7      |
|          |        | 1             | 49        | 19.2               |     | 0    | 20.3      | 19.9               |     | 0    | 20.7      |
|          |        | 25            | 0         | 19.4               |     | 0    | 20.3      | 19.8               |     | 0    | 20.7      |
|          |        | 25            | 12        | 19.5               |     | 0    | 20.3      | 19.8               |     | 0    | 20.7      |
|          |        | 25            | 25        | 19.4               |     | 0    | 20.3      | 19.8               |     | 0    | 20.7      |
|          |        | 50            | 0         | 19.5               |     | 0    | 20.3      | 20.0               |     | 0    | 20.7      |
|          | 16QAM  | 1             | 0         | 19.6               |     | 0    | 20.3      | 19.4               |     | 0    | 20.7      |
|          |        | 1             | 25        | 19.6               |     | 0    | 20.3      | 19.2               |     | 0    | 20.7      |
|          |        | 1             | 49        | 19.5               |     | 0    | 20.3      | 19.4               |     | 0    | 20.7      |
|          |        | 25            | 0         | 19.7               |     | 0    | 20.3      | 19.8               |     | 0    | 20.7      |
|          |        | 25            | 12        | 19.7               |     | 0    | 20.3      | 19.8               |     | 0    | 20.7      |
|          |        | 25            | 25        | 19.7               |     | 0    | 20.3      | 19.8               |     | 0    | 20.7      |
|          |        | 50            | 0         | 19.8               |     | 0    | 20.3      | 19.8               |     | 0    | 20.7      |
|          | 64QAM  | 1             | 0         | 19.4               |     | 0    | 20.3      | 19.4               |     | 0    | 20.7      |
|          |        | 1             | 25        | 19.4               |     | 0    | 20.3      | 19.3               |     | 0    | 20.7      |
|          |        | 1             | 49        | 19.4               |     | 0    | 20.3      | 19.4               |     | 0    | 20.7      |
|          |        | 25            | 0         | 19.5               |     | 0.1  | 20.2      | 19.6               |     | 0.5  | 20.2      |
|          |        | 25            | 12        | 19.5               |     | 0.1  | 20.2      | 19.6               |     | 0.5  | 20.2      |
|          |        | 25            | 25        | 19.5               |     | 0.1  | 20.2      | 19.7               |     | 0.5  | 20.2      |
|          |        | 50            | 0         | 19.6               |     | 0.1  | 20.2      | 19.7               |     | 0.5  | 20.2      |
|          | 256QAM | 1             | 0         | 17.3               |     | 2.1  | 18.2      | 17.2               |     | 2.5  | 18.2      |
|          |        | 1             | 25        | 17.2               |     | 2.1  | 18.2      | 17.1               |     | 2.5  | 18.2      |
|          |        | 1             | 49        | 17.2               |     | 2.1  | 18.2      | 17.2               |     | 2.5  | 18.2      |
| 25       |        | 0             | 17.7      |                    | 2.1 | 18.2 | 17.6      |                    | 2.5 | 18.2 |           |
| 25       |        | 12            | 17.7      |                    | 2.1 | 18.2 | 17.6      |                    | 2.5 | 18.2 |           |
| 25       |        | 25            | 17.7      |                    | 2.1 | 18.2 | 17.7      |                    | 2.5 | 18.2 |           |
| 50       |        | 0             | 17.8      |                    | 2.1 | 18.2 | 17.7      |                    | 2.5 | 18.2 |           |
| 5        | QPSK   | 1             | 0         | 19.5               |     | 0    | 20.3      | 19.3               |     | 0    | 20.7      |
|          |        | 1             | 12        | 19.7               |     | 0    | 20.3      | 19.3               |     | 0    | 20.7      |
|          |        | 1             | 24        | 19.5               |     | 0    | 20.3      | 19.3               |     | 0    | 20.7      |
|          |        | 12            | 0         | 19.7               |     | 0    | 20.3      | 19.8               |     | 0    | 20.7      |
|          |        | 12            | 7         | 19.7               |     | 0    | 20.3      | 19.8               |     | 0    | 20.7      |
|          |        | 12            | 13        | 19.8               |     | 0    | 20.3      | 19.9               |     | 0    | 20.7      |
|          |        | 25            | 0         | 19.7               |     | 0    | 20.3      | 19.8               |     | 0    | 20.7      |
|          | 16QAM  | 1             | 0         | 19.7               |     | 0    | 20.3      | 19.5               |     | 0    | 20.7      |
|          |        | 1             | 12        | 19.6               |     | 0    | 20.3      | 19.3               |     | 0    | 20.7      |
|          |        | 1             | 24        | 19.7               |     | 0    | 20.3      | 19.5               |     | 0    | 20.7      |
|          |        | 12            | 0         | 19.6               |     | 0    | 20.3      | 19.7               |     | 0    | 20.7      |
|          |        | 12            | 7         | 19.7               |     | 0    | 20.3      | 19.8               |     | 0    | 20.7      |
|          |        | 12            | 13        | 19.7               |     | 0    | 20.3      | 19.7               |     | 0    | 20.7      |
|          |        | 25            | 0         | 19.7               |     | 0    | 20.3      | 19.8               |     | 0    | 20.7      |
|          | 64QAM  | 1             | 0         | 19.4               |     | 0    | 20.3      | 19.4               |     | 0    | 20.7      |
|          |        | 1             | 12        | 19.3               |     | 0    | 20.3      | 19.4               |     | 0    | 20.7      |
|          |        | 1             | 24        | 19.4               |     | 0    | 20.3      | 19.4               |     | 0    | 20.7      |
|          |        | 12            | 0         | 19.4               |     | 0.1  | 20.2      | 19.6               |     | 0.5  | 20.2      |
|          |        | 12            | 7         | 19.5               |     | 0.1  | 20.2      | 19.6               |     | 0.5  | 20.2      |
|          |        | 12            | 13        | 19.6               |     | 0.1  | 20.2      | 19.6               |     | 0.5  | 20.2      |
|          |        | 25            | 0         | 19.5               |     | 0.1  | 20.2      | 19.6               |     | 0.5  | 20.2      |
|          | 256QAM | 1             | 0         | 17.3               |     | 2.1  | 18.2      | 17.1               |     | 2.5  | 18.2      |
|          |        | 1             | 12        | 17.2               |     | 2.1  | 18.2      | 17.1               |     | 2.5  | 18.2      |
|          |        | 1             | 24        | 17.3               |     | 2.1  | 18.2      | 17.3               |     | 2.5  | 18.2      |
| 12       |        | 0             | 17.6      |                    | 2.1 | 18.2 | 17.5      |                    | 2.5 | 18.2 |           |
| 12       |        | 7             | 17.7      |                    | 2.1 | 18.2 | 17.6      |                    | 2.5 | 18.2 |           |
| 12       |        | 13            | 17.8      |                    | 2.1 | 18.2 | 17.6      |                    | 2.5 | 18.2 |           |
| 25       |        | 0             | 17.7      |                    | 2.1 | 18.2 | 17.6      |                    | 2.5 | 18.2 |           |

**LTE Band 53 Measured Results (ANT2, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |            |            |      |           | Mode B Power (dBm) |            |            |      |           |
|----------|--------|---------------|-----------|--------------------|------------|------------|------|-----------|--------------------|------------|------------|------|-----------|
|          |        |               |           | 60155              | 60197      | 60240      | MPR  | Max Power | 60155              | 60197      | 60240      | MPR  | Max Power |
|          |        |               |           | 2485 MHz           | 2489.2 MHz | 2493.5 MHz |      |           | 2485 MHz           | 2489.2 MHz | 2493.5 MHz |      |           |
| 3        | QPSK   | 1             | 0         | 19.3               | 19.3       | 19.3       | 0    | 20.3      | 19.4               | 19.2       | 19.3       | 0    | 20.7      |
|          |        | 1             | 8         | 19.6               | 19.4       | 19.3       | 0    | 20.3      | 19.6               | 19.2       | 19.2       | 0    | 20.7      |
|          |        | 1             | 14        | 19.4               | 19.4       | 19.3       | 0    | 20.3      | 19.2               | 19.2       | 19.2       | 0    | 20.7      |
|          |        | 8             | 0         | 19.6               | 19.6       | 19.6       | 0    | 20.3      | 19.8               | 19.7       | 19.7       | 0    | 20.7      |
|          |        | 8             | 4         | 19.7               | 19.7       | 19.6       | 0    | 20.3      | 19.9               | 19.8       | 19.7       | 0    | 20.7      |
|          |        | 8             | 7         | 19.6               | 19.6       | 19.6       | 0    | 20.3      | 19.8               | 19.8       | 19.7       | 0    | 20.7      |
|          | 16QAM  | 15            | 0         | 19.6               | 19.6       | 19.5       | 0    | 20.3      | 19.8               | 19.7       | 19.7       | 0    | 20.7      |
|          |        | 1             | 0         | 19.4               | 19.5       | 19.4       | 0    | 20.3      | 19.3               | 19.2       | 19.2       | 0    | 20.7      |
|          |        | 1             | 8         | 19.4               | 19.5       | 19.5       | 0    | 20.3      | 19.6               | 19.4       | 19.2       | 0    | 20.7      |
|          |        | 1             | 14        | 19.3               | 19.5       | 19.3       | 0    | 20.3      | 19.2               | 19.2       | 19.2       | 0    | 20.7      |
|          |        | 8             | 0         | 19.6               | 19.5       | 19.6       | 0    | 20.3      | 19.7               | 19.6       | 19.6       | 0    | 20.7      |
|          |        | 8             | 4         | 19.5               | 19.6       | 19.6       | 0    | 20.3      | 19.7               | 19.7       | 19.7       | 0    | 20.7      |
|          | 64QAM  | 8             | 7         | 19.5               | 19.6       | 19.6       | 0    | 20.3      | 19.6               | 19.7       | 19.7       | 0    | 20.7      |
|          |        | 15            | 0         | 19.6               | 19.5       | 19.5       | 0    | 20.3      | 19.7               | 19.7       | 19.6       | 0    | 20.7      |
|          |        | 1             | 0         | 19.2               | 19.1       | 19.3       | 0    | 20.3      | 19.4               | 19.3       | 19.2       | 0    | 20.7      |
|          |        | 1             | 8         | 19.2               | 19.2       | 19.4       | 0    | 20.3      | 20.0               | 19.3       | 19.2       | 0    | 20.7      |
|          |        | 1             | 14        | 19.1               | 19.2       | 19.4       | 0    | 20.3      | 19.2               | 19.2       | 19.2       | 0    | 20.7      |
|          |        | 8             | 0         | 19.4               | 19.4       | 19.4       | 0.1  | 20.2      | 19.5               | 19.6       | 19.5       | 0.5  | 20.2      |
|          | 256QAM | 8             | 4         | 19.5               | 19.5       | 19.5       | 0.1  | 20.2      | 19.5               | 19.6       | 19.6       | 0.5  | 20.2      |
|          |        | 8             | 7         | 19.4               | 19.4       | 19.4       | 0.1  | 20.2      | 19.5               | 19.6       | 19.5       | 0.5  | 20.2      |
|          |        | 15            | 0         | 19.4               | 19.4       | 19.4       | 0.1  | 20.2      | 19.5               | 19.6       | 19.5       | 0.5  | 20.2      |
|          |        | 1             | 0         | 17.0               | 17.0       | 17.1       | 2.1  | 18.2      | 16.9               | 17.0       | 16.9       | 2.5  | 18.2      |
|          |        | 1             | 8         | 17.2               | 17.2       | 17.2       | 2.1  | 18.2      | 17.1               | 17.2       | 17.1       | 2.5  | 18.2      |
|          |        | 1             | 14        | 17.0               | 17.2       | 17.0       | 2.1  | 18.2      | 16.7               | 17.0       | 17.1       | 2.5  | 18.2      |
| 1.4      | QPSK   | 8             | 0         | 17.7               | 17.6       | 17.6       | 2.1  | 18.2      | 17.6               | 17.5       | 17.5       | 2.5  | 18.2      |
|          |        | 8             | 4         | 17.6               | 17.7       | 17.5       | 2.1  | 18.2      | 17.6               | 17.5       | 17.4       | 2.5  | 18.2      |
|          |        | 8             | 7         | 17.6               | 17.7       | 17.7       | 2.1  | 18.2      | 17.6               | 17.5       | 17.6       | 2.5  | 18.2      |
|          |        | 15            | 0         | 17.6               | 17.6       | 17.5       | 2.1  | 18.2      | 17.6               | 17.5       | 17.5       | 2.5  | 18.2      |
|          |        | 1             | 0         | 19.2               | 19.1       | 19.2       | 0    | 20.3      | 19.2               | 19.2       | 19.8       | 0    | 20.7      |
|          |        | 1             | 3         | 19.4               | 19.4       | 19.6       | 0    | 20.3      | 19.2               | 19.2       | 19.7       | 0    | 20.7      |
|          | 16QAM  | 1             | 5         | 19.3               | 19.3       | 19.3       | 0    | 20.3      | 19.8               | 19.4       | 19.4       | 0    | 20.7      |
|          |        | 3             | 0         | 19.5               | 19.5       | 19.5       | 0    | 20.3      | 19.7               | 19.8       | 19.7       | 0    | 20.7      |
|          |        | 3             | 1         | 19.6               | 19.6       | 19.6       | 0    | 20.3      | 19.7               | 19.8       | 19.7       | 0    | 20.7      |
|          |        | 3             | 3         | 19.6               | 19.6       | 19.6       | 0    | 20.3      | 19.8               | 19.8       | 19.8       | 0    | 20.7      |
|          |        | 6             | 0         | 19.5               | 19.5       | 19.6       | 0    | 20.3      | 19.7               | 19.8       | 19.8       | 0    | 20.7      |
|          |        | 1             | 0         | 19.4               | 19.3       | 19.4       | 0    | 20.3      | 19.4               | 19.4       | 19.4       | 0    | 20.7      |
| 64QAM    | 1      | 3             | 19.1      | 19.4               | 19.5       | 0          | 20.3 | 19.3      | 19.6               | 19.8       | 0          | 20.7 |           |
|          | 1      | 5             | 19.4      | 19.2               | 19.5       | 0          | 20.3 | 19.5      | 19.5               | 19.5       | 0          | 20.7 |           |
|          | 3      | 0             | 19.5      | 19.4               | 19.5       | 0          | 20.3 | 19.6      | 19.8               | 19.8       | 0          | 20.7 |           |
|          | 3      | 1             | 19.6      | 19.5               | 19.6       | 0          | 20.3 | 19.9      | 19.9               | 19.8       | 0          | 20.7 |           |
|          | 3      | 3             | 19.6      | 19.3               | 19.7       | 0          | 20.3 | 19.9      | 19.9               | 19.8       | 0          | 20.7 |           |
|          | 6      | 0             | 19.4      | 19.5               | 19.6       | 0          | 20.3 | 19.6      | 19.7               | 19.8       | 0          | 20.7 |           |
| 256QAM   | 1      | 0             | 19.1      | 19.0               | 19.2       | 0          | 20.3 | 19.3      | 19.2               | 19.6       | 0          | 20.7 |           |
|          | 1      | 3             | 19.4      | 19.4               | 19.1       | 0          | 20.3 | 19.4      | 19.2               | 19.8       | 0          | 20.7 |           |
|          | 1      | 5             | 19.4      | 19.1               | 19.1       | 0          | 20.3 | 19.5      | 19.2               | 19.3       | 0          | 20.7 |           |
|          | 3      | 0             | 19.5      | 19.4               | 19.2       | 0          | 20.3 | 19.5      | 19.7               | 19.6       | 0          | 20.7 |           |
|          | 3      | 1             | 19.4      | 19.5               | 19.3       | 0          | 20.3 | 19.8      | 19.7               | 19.7       | 0          | 20.7 |           |
|          | 3      | 3             | 19.6      | 19.5               | 19.5       | 0          | 20.3 | 19.7      | 19.8               | 19.8       | 0          | 20.7 |           |
| 256QAM   | 6      | 0             | 19.3      | 19.4               | 19.2       | 0.1        | 20.2 | 19.5      | 19.5               | 19.6       | 0.5        | 20.2 |           |
|          | 1      | 0             | 17.0      | 16.9               | 17.0       | 2.1        | 18.2 | 16.9      | 17.0               | 16.6       | 2.5        | 18.2 |           |
|          | 1      | 3             | 17.1      | 17.0               | 17.3       | 2.1        | 18.2 | 17.1      | 17.1               | 17.1       | 2.5        | 18.2 |           |
|          | 1      | 5             | 17.0      | 17.1               | 17.1       | 2.1        | 18.2 | 16.9      | 17.1               | 16.9       | 2.5        | 18.2 |           |
|          | 3      | 0             | 17.5      | 17.7               | 17.5       | 2.1        | 18.2 | 17.3      | 17.5               | 17.5       | 2.5        | 18.2 |           |
|          | 3      | 1             | 17.8      | 17.6               | 17.6       | 2.1        | 18.2 | 17.4      | 17.6               | 17.6       | 2.5        | 18.2 |           |

**LTE Band 66 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |          |      |           | Mode B Power (dBm) |          |          |      |           |
|----------|--------|---------------|-----------|--------------------|----------|----------|------|-----------|--------------------|----------|----------|------|-----------|
|          |        |               |           | 132072             | 132322   | 132572   | MPR  | Max Power | 132072             | 132322   | 132572   | MPR  | Max Power |
|          |        |               |           | 1720 MHz           | 1745 MHz | 1770 MHz |      |           | 1720 MHz           | 1745 MHz | 1770 MHz |      |           |
| 20       | QPSK   | 1             | 0         | 24.8               | 24.9     | 24.7     | 0    | 25.7      | 19.2               | 19.2     | 18.8     | 0    | 19.6      |
|          |        | 1             | 49        | 25.0               | 25.2     | 24.9     | 0    | 25.7      | 19.4               | 19.2     | 18.9     | 0    | 19.6      |
|          |        | 1             | 99        | 24.7               | 24.8     | 24.7     | 0    | 25.7      | 19.1               | 19.0     | 18.9     | 0    | 19.6      |
|          |        | 50            | 0         | 24.4               | 24.2     | 24.3     | 1    | 24.7      | 19.4               | 19.3     | 19.0     | 0    | 19.6      |
|          |        | 50            | 24        | 24.3               | 24.2     | 24.2     | 1    | 24.7      | 19.4               | 19.3     | 18.9     | 0    | 19.6      |
|          |        | 50            | 50        | 24.2               | 24.2     | 24.4     | 1    | 24.7      | 19.3               | 19.3     | 19.0     | 0    | 19.6      |
|          | 16QAM  | 100           | 0         | 24.4               | 24.4     | 24.3     | 1    | 24.7      | 19.4               | 19.4     | 19.3     | 0    | 19.6      |
|          |        | 1             | 0         | 24.3               | 24.3     | 23.9     | 1    | 24.7      | 19.5               | 19.6     | 19.3     | 0    | 19.6      |
|          |        | 1             | 49        | 24.3               | 24.4     | 24.1     | 1    | 24.7      | 19.6               | 19.5     | 19.5     | 0    | 19.6      |
|          |        | 1             | 99        | 24.2               | 24.1     | 23.9     | 1    | 24.7      | 19.4               | 19.3     | 19.3     | 0    | 19.6      |
|          |        | 50            | 0         | 23.5               | 23.4     | 23.3     | 2    | 23.7      | 19.3               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 50            | 24        | 23.4               | 23.4     | 23.2     | 2    | 23.7      | 19.3               | 19.2     | 19.2     | 0    | 19.6      |
|          | 64QAM  | 50            | 50        | 23.4               | 23.4     | 23.1     | 2    | 23.7      | 19.3               | 19.2     | 19.1     | 0    | 19.6      |
|          |        | 100           | 0         | 23.5               | 23.5     | 23.3     | 2    | 23.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 1             | 0         | 23.1               | 23.0     | 22.9     | 2    | 23.7      | 19.6               | 19.4     | 19.3     | 0    | 19.6      |
|          |        | 1             | 49        | 23.2               | 23.1     | 23.0     | 2    | 23.7      | 19.5               | 19.4     | 19.3     | 0    | 19.6      |
|          |        | 1             | 99        | 23.1               | 22.8     | 22.9     | 2    | 23.7      | 19.3               | 19.2     | 19.1     | 0    | 19.6      |
|          |        | 50            | 0         | 22.5               | 22.4     | 22.2     | 3    | 22.7      | 19.3               | 19.2     | 19.2     | 0    | 19.6      |
|          | 256QAM | 50            | 24        | 22.4               | 22.4     | 22.3     | 3    | 22.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 50            | 50        | 22.4               | 22.4     | 22.2     | 3    | 22.7      | 19.3               | 19.2     | 19.1     | 0    | 19.6      |
|          |        | 100           | 0         | 22.5               | 22.5     | 22.4     | 3    | 22.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 1             | 0         | 20.1               | 20.0     | 19.9     | 5    | 20.7      | 19.5               | 19.4     | 19.3     | 0    | 19.6      |
|          |        | 1             | 49        | 20.1               | 20.0     | 20.0     | 5    | 20.7      | 19.6               | 19.4     | 19.5     | 0    | 19.6      |
|          |        | 1             | 99        | 20.1               | 19.8     | 19.8     | 5    | 20.7      | 19.5               | 19.2     | 19.3     | 0    | 19.6      |
| 15       | QPSK   | 50            | 0         | 20.5               | 20.4     | 20.3     | 5    | 20.7      | 19.3               | 19.3     | 19.2     | 0    | 19.6      |
|          |        | 50            | 24        | 20.4               | 20.4     | 20.3     | 5    | 20.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 50            | 50        | 20.4               | 20.4     | 20.2     | 5    | 20.7      | 19.3               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 100           | 0         | 20.5               | 20.4     | 20.3     | 5    | 20.7      | 19.4               | 19.3     | 19.3     | 0    | 19.6      |
|          |        | 1             | 0         | 25.1               | 25.0     | 25.0     | 0    | 25.7      | 19.4               | 19.3     | 19.2     | 0    | 19.6      |
|          |        | 1             | 37        | 25.2               | 25.0     | 25.0     | 0    | 25.7      | 19.3               | 19.3     | 19.2     | 0    | 19.6      |
| 16QAM    | QPSK   | 1             | 74        | 25.0               | 24.9     | 24.9     | 0    | 25.7      | 19.3               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 36            | 0         | 24.6               | 24.5     | 24.5     | 1    | 24.7      | 19.4               | 19.2     | 19.3     | 0    | 19.6      |
|          |        | 36            | 20        | 24.6               | 24.5     | 24.5     | 1    | 24.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 36            | 39        | 24.5               | 24.5     | 24.5     | 1    | 24.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 75            | 0         | 24.6               | 24.4     | 24.5     | 1    | 24.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 1             | 0         | 24.4               | 24.3     | 24.3     | 1    | 24.7      | 19.6               | 19.5     | 19.6     | 0    | 19.6      |
|          | 16QAM  | 1             | 37        | 24.5               | 24.3     | 24.3     | 1    | 24.7      | 19.6               | 19.5     | 19.5     | 0    | 19.6      |
|          |        | 1             | 74        | 24.3               | 24.2     | 24.2     | 1    | 24.7      | 19.5               | 19.4     | 19.5     | 0    | 19.6      |
|          |        | 36            | 0         | 23.6               | 23.5     | 23.5     | 2    | 23.7      | 19.4               | 19.2     | 19.3     | 0    | 19.6      |
|          |        | 36            | 20        | 23.6               | 23.4     | 23.4     | 2    | 23.7      | 19.3               | 19.2     | 19.1     | 0    | 19.6      |
|          |        | 36            | 39        | 23.5               | 23.4     | 23.4     | 2    | 23.7      | 19.4               | 19.2     | 19.1     | 0    | 19.6      |
|          |        | 75            | 0         | 23.6               | 23.4     | 23.4     | 2    | 23.7      | 19.3               | 19.2     | 19.2     | 0    | 19.6      |
| 64QAM    | 1      | 0             | 23.3      | 23.1               | 23.2     | 2        | 23.7 | 19.6      | 19.5               | 19.5     | 0        | 19.6 |           |
|          | 1      | 37            | 23.1      | 23.1               | 23.1     | 2        | 23.7 | 19.5      | 19.4               | 19.4     | 0        | 19.6 |           |
|          | 1      | 74            | 23.1      | 23.1               | 23.1     | 2        | 23.7 | 19.5      | 19.3               | 19.4     | 0        | 19.6 |           |
|          | 36     | 0             | 22.5      | 22.4               | 22.4     | 3        | 22.7 | 19.4      | 19.2               | 19.3     | 0        | 19.6 |           |
|          | 36     | 20            | 22.5      | 22.4               | 22.4     | 3        | 22.7 | 19.4      | 19.2               | 19.2     | 0        | 19.6 |           |
|          | 36     | 39            | 22.5      | 22.4               | 22.4     | 3        | 22.7 | 19.4      | 19.2               | 19.2     | 0        | 19.6 |           |
| 256QAM   | 75     | 0             | 22.5      | 22.4               | 22.4     | 3        | 22.7 | 19.4      | 19.2               | 19.2     | 0        | 19.6 |           |
|          | 1      | 0             | 20.2      | 20.1               | 20.1     | 5        | 20.7 | 19.6      | 19.5               | 19.5     | 0        | 19.6 |           |
|          | 1      | 37            | 20.1      | 20.1               | 20.0     | 5        | 20.7 | 19.5      | 19.4               | 19.4     | 0        | 19.6 |           |
|          | 1      | 74            | 20.1      | 20.0               | 19.9     | 5        | 20.7 | 19.5      | 19.4               | 19.3     | 0        | 19.6 |           |
|          | 36     | 0             | 20.5      | 20.4               | 20.4     | 5        | 20.7 | 19.4      | 19.2               | 19.3     | 0        | 19.6 |           |
|          | 36     | 20            | 20.5      | 20.4               | 20.4     | 5        | 20.7 | 19.3      | 19.2               | 19.2     | 0        | 19.6 |           |
| 15       | QPSK   | 36            | 39        | 20.5               | 20.4     | 20.3     | 5    | 20.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 75            | 0         | 20.5               | 20.4     | 20.4     | 5    | 20.7      | 19.4               | 19.3     | 19.2     | 0    | 19.6      |

**LTE Band 66 Measured Results (ANT1, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |          |      |           | Mode B Power (dBm) |          |          |      |           |
|----------|--------|---------------|-----------|--------------------|----------|----------|------|-----------|--------------------|----------|----------|------|-----------|
|          |        |               |           | 132022             | 132322   | 132622   | MPR  | Max Power | 132022             | 132322   | 132622   | MPR  | Max Power |
|          |        |               |           | 1715 MHz           | 1745 MHz | 1775 MHz |      |           | 1715 MHz           | 1745 MHz | 1775 MHz |      |           |
| 10       | QPSK   | 1             | 0         | 25.2               | 25.0     | 25.0     | 0    | 25.7      | 19.4               | 19.3     | 19.4     | 0    | 19.6      |
|          |        | 1             | 25        | 25.2               | 25.0     | 25.1     | 0    | 25.7      | 19.5               | 19.3     | 19.3     | 0    | 19.6      |
|          |        | 1             | 49        | 25.1               | 25.0     | 25.0     | 0    | 25.7      | 19.5               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 25            | 0         | 24.7               | 24.5     | 24.5     | 1    | 24.7      | 19.5               | 19.3     | 19.3     | 0    | 19.6      |
|          |        | 25            | 12        | 24.7               | 24.5     | 24.5     | 1    | 24.7      | 19.5               | 19.3     | 19.2     | 0    | 19.6      |
|          |        | 25            | 25        | 24.6               | 24.5     | 24.4     | 1    | 24.7      | 19.4               | 19.3     | 19.2     | 0    | 19.6      |
|          | 16QAM  | 50            | 0         | 24.7               | 24.6     | 24.6     | 1    | 24.7      | 19.4               | 19.3     | 19.3     | 0    | 19.6      |
|          |        | 1             | 0         | 24.4               | 24.4     | 24.2     | 1    | 24.7      | 19.6               | 19.5     | 19.5     | 0    | 19.6      |
|          |        | 1             | 25        | 24.5               | 24.4     | 24.3     | 1    | 24.7      | 19.6               | 19.5     | 19.5     | 0    | 19.6      |
|          |        | 1             | 49        | 24.4               | 24.3     | 24.2     | 1    | 24.7      | 19.6               | 19.4     | 19.4     | 0    | 19.6      |
|          |        | 25            | 0         | 23.6               | 23.5     | 23.4     | 2    | 23.7      | 19.4               | 19.3     | 19.2     | 0    | 19.6      |
|          |        | 25            | 12        | 23.5               | 23.5     | 23.4     | 2    | 23.7      | 19.4               | 19.2     | 19.1     | 0    | 19.6      |
|          | 64QAM  | 25            | 25        | 23.5               | 23.5     | 23.3     | 2    | 23.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 50            | 0         | 23.6               | 23.5     | 23.5     | 2    | 23.7      | 19.4               | 19.3     | 19.2     | 0    | 19.6      |
|          |        | 1             | 0         | 23.2               | 23.2     | 23.1     | 2    | 23.7      | 19.6               | 19.5     | 19.6     | 0    | 19.6      |
|          |        | 1             | 25        | 23.3               | 23.2     | 23.2     | 2    | 23.7      | 19.6               | 19.5     | 19.4     | 0    | 19.6      |
|          |        | 1             | 49        | 23.3               | 23.2     | 23.2     | 2    | 23.7      | 19.6               | 19.3     | 19.4     | 0    | 19.6      |
|          |        | 25            | 0         | 22.6               | 22.5     | 22.5     | 3    | 22.7      | 19.4               | 19.3     | 19.2     | 0    | 19.6      |
|          | 256QAM | 25            | 12        | 22.6               | 22.5     | 22.5     | 3    | 22.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 25            | 25        | 22.6               | 22.5     | 22.4     | 3    | 22.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 50            | 0         | 22.6               | 22.5     | 22.5     | 3    | 22.7      | 19.4               | 19.3     | 19.2     | 0    | 19.6      |
|          |        | 1             | 0         | 20.3               | 20.3     | 20.2     | 5    | 20.7      | 19.6               | 19.5     | 19.5     | 0    | 19.6      |
|          |        | 1             | 25        | 20.2               | 20.2     | 20.1     | 5    | 20.7      | 19.6               | 19.4     | 19.4     | 0    | 19.6      |
|          |        | 1             | 49        | 20.3               | 20.1     | 20.2     | 5    | 20.7      | 19.6               | 19.4     | 19.4     | 0    | 19.6      |
|          | 5      | QPSK          | 25        | 0                  | 20.6     | 20.5     | 20.5 | 5         | 20.7               | 19.4     | 19.3     | 19.2 | 0         |
| 25       |        |               | 12        | 20.6               | 20.5     | 20.5     | 5    | 20.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
| 25       |        |               | 25        | 20.6               | 20.5     | 20.4     | 5    | 20.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
| 50       |        |               | 0         | 20.6               | 20.5     | 20.5     | 5    | 20.7      | 19.5               | 19.3     | 19.2     | 0    | 19.6      |
| 1        |        |               | 0         | 25.2               | 25.1     | 25.0     | 0    | 25.7      | 19.5               | 19.3     | 19.3     | 0    | 19.6      |
| 1        |        |               | 12        | 25.2               | 25.0     | 24.9     | 0    | 25.7      | 19.4               | 19.3     | 19.3     | 0    | 19.6      |
| 16QAM    |        | 1             | 24        | 25.2               | 25.0     | 25.0     | 0    | 25.7      | 19.5               | 19.3     | 19.3     | 0    | 19.6      |
|          |        | 12            | 0         | 24.7               | 24.5     | 24.4     | 1    | 24.7      | 19.5               | 19.3     | 19.3     | 0    | 19.6      |
|          |        | 12            | 7         | 24.6               | 24.5     | 24.4     | 1    | 24.7      | 19.5               | 19.3     | 19.3     | 0    | 19.6      |
|          |        | 12            | 13        | 24.6               | 24.5     | 24.5     | 1    | 24.7      | 19.5               | 19.3     | 19.2     | 0    | 19.6      |
|          |        | 25            | 0         | 24.7               | 24.5     | 24.4     | 1    | 24.7      | 19.5               | 19.4     | 19.3     | 0    | 19.6      |
|          |        | 1             | 0         | 24.5               | 24.4     | 24.3     | 1    | 24.7      | 19.6               | 19.6     | 19.6     | 0    | 19.6      |
| 64QAM    |        | 1             | 12        | 24.4               | 24.3     | 24.3     | 1    | 24.7      | 19.6               | 19.6     | 19.6     | 0    | 19.6      |
|          |        | 1             | 24        | 24.4               | 24.3     | 24.4     | 1    | 24.7      | 19.6               | 19.6     | 19.6     | 0    | 19.6      |
|          |        | 12            | 0         | 23.6               | 23.5     | 23.4     | 2    | 23.7      | 19.4               | 19.3     | 19.3     | 0    | 19.6      |
|          |        | 12            | 7         | 23.6               | 23.5     | 23.4     | 2    | 23.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 12            | 13        | 23.6               | 23.5     | 23.5     | 2    | 23.7      | 19.4               | 19.2     | 19.3     | 0    | 19.6      |
|          |        | 25            | 0         | 23.6               | 23.5     | 23.4     | 2    | 23.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
| 256QAM   |        | 1             | 0         | 23.3               | 23.3     | 23.1     | 2    | 23.7      | 19.6               | 19.5     | 19.4     | 0    | 19.6      |
|          |        | 1             | 12        | 23.3               | 23.2     | 23.1     | 2    | 23.7      | 19.6               | 19.5     | 19.4     | 0    | 19.6      |
|          |        | 1             | 24        | 23.4               | 23.2     | 23.1     | 2    | 23.7      | 19.6               | 19.4     | 19.4     | 0    | 19.6      |
|          |        | 12            | 0         | 22.6               | 22.5     | 22.4     | 3    | 22.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 12            | 7         | 22.6               | 22.5     | 22.4     | 3    | 22.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          |        | 12            | 13        | 22.6               | 22.5     | 22.5     | 3    | 22.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
| QPSK     |        | 25            | 0         | 22.6               | 22.5     | 22.4     | 3    | 22.7      | 19.4               | 19.2     | 19.2     | 0    | 19.6      |
|          | 1      | 0             | 20.2      | 20.2               | 20.1     | 5        | 20.7 | 19.6      | 19.4               | 19.4     | 0        | 19.6 |           |
|          | 1      | 12            | 20.2      | 20.2               | 20.0     | 5        | 20.7 | 19.5      | 19.4               | 19.3     | 0        | 19.6 |           |
|          | 1      | 24            | 20.2      | 20.1               | 20.1     | 5        | 20.7 | 19.5      | 19.4               | 19.4     | 0        | 19.6 |           |
|          | 12     | 0             | 20.6      | 20.5               | 20.4     | 5        | 20.7 | 19.4      | 19.3               | 19.2     | 0        | 19.6 |           |
|          | 12     | 7             | 20.6      | 20.5               | 20.4     | 5        | 20.7 | 19.4      | 19.3               | 19.2     | 0        | 19.6 |           |
| 16QAM    | 12     | 13            | 20.6      | 20.5               | 20.5     | 5        | 20.7 | 19.4      | 19.2               | 19.2     | 0        | 19.6 |           |
|          | 25     | 0             | 20.6      | 20.5               | 20.4     | 5        | 20.7 | 19.4      | 19.3               | 19.2     | 0        | 19.6 |           |
|          | 1      | 0             | 25.2      | 25.1               | 25.0     | 0        | 25.7 | 19.5      | 19.3               | 19.3     | 0        | 19.6 |           |
|          | 1      | 12            | 25.2      | 25.0               | 24.9     | 0        | 25.7 | 19.4      | 19.3               | 19.3     | 0        | 19.6 |           |
|          | 1      | 24            | 25.2      | 25.0               | 25.0     | 0        | 25.7 | 19.5      | 19.3               | 19.3     | 0        | 19.6 |           |
|          | 12     | 0             | 24.7      | 24.5               | 24.4     | 1        | 24.7 | 19.5      | 19.3               | 19.3     | 0        | 19.6 |           |
| 64QAM    | 12     | 7             | 24.6      | 24.5               | 24.4     | 1        | 24.7 | 19.5      | 19.3               | 19.3     | 0        | 19.6 |           |
|          | 12     | 13            | 24.6      | 24.5               | 24.5     | 1        | 24.7 | 19.5      | 19.3               | 19.2     | 0        | 19.6 |           |
|          | 25     | 0             | 24.7      | 24.5               | 24.4     | 1        | 24.7 | 19.5      | 19.4               | 19.3     | 0        | 19.6 |           |
|          | 1      | 0             | 24.5      | 24.4               | 24.3     | 1        | 24.7 | 19.6      | 19.6               | 19.6     | 0        | 19.6 |           |
|          | 1      | 12            | 24.4      | 24.3               | 24.3     | 1        | 24.7 | 19.6      | 19.6               | 19.6     | 0        | 19.6 |           |
|          | 1      | 24            | 24.4      | 24.3               | 24.4     | 1        | 24.7 | 19.6      | 19.6               | 19.6     | 0        | 19.6 |           |
| 256QAM   | 12     | 0             | 23.6      | 23.5               | 23.4     | 2        | 23.7 | 19.4      | 19.3               | 19.3     | 0        | 19.6 |           |
|          | 12     | 7             | 23.6      | 23.5               | 23.4     | 2        | 23.7 | 19.4      | 19.2               | 19.2     | 0        | 19.6 |           |
|          | 12     | 13            | 23.6      | 23.5               | 23.5     | 2        | 23.7 | 19.4      | 19.2               | 19.3     | 0        | 19.6 |           |
|          | 25     | 0             | 23.6      | 23.5               | 23.4     | 2        | 23.7 | 19.4      | 19.2               | 19.2     | 0        | 19.6 |           |
|          | 1      | 0             | 23.3      | 23.3               | 23.1     | 2        | 23.7 | 19.6      | 19.5               | 19.4     | 0        | 19.6 |           |
|          | 1      | 12            | 23.3      | 23.2               | 23.1     | 2        | 23.7 | 19.6      | 19.5               | 19.4     | 0        | 19.6 |           |
| QPSK     | 1      | 24            | 23.4      | 23.2               | 23.1     | 2        | 23.7 | 19.6      | 19.4               | 19.4     | 0        | 19.6 |           |
|          | 12     | 0             | 22.6      | 22.5               | 22.4     | 3        | 22.7 | 19.4      | 19.2               | 19.2     | 0        | 19.6 |           |
|          | 12     | 7             | 22.6      | 22.5               | 22.4     | 3        | 22.7 | 19.4      | 19.2               | 19.2     | 0        | 19.6 |           |
|          | 12     | 13            | 22.6      | 22.5               | 22.5     | 3        | 22.7 | 19.4      | 19.2               | 19.2     | 0        | 19.6 |           |
|          | 25     | 0             | 22.6      | 22.5               | 22.4     | 3        | 22.7 | 19.4      | 19.2               | 19.2     | 0        | 19.6 |           |
|          | 1      | 0             | 20.2      | 20.2               | 20.1     | 5        | 20.7 | 19.6      | 19.4               | 19.4     | 0        | 19.6 |           |
| 16QAM    | 1      | 12            | 20.2      | 20.2               | 20.0     | 5        | 20.7 | 19.5      | 19.4               | 19.3     | 0        | 19.6 |           |
|          | 1      | 24            | 20.2      | 20.1               | 20.1     | 5        | 20.7 | 19.5      | 19.4               | 19.4     | 0        | 19.6 |           |
|          | 12     | 0             | 20.6      | 20.5               | 20.4     | 5        | 20.7 | 19.4      | 19.3               | 19.2     | 0        | 19.6 |           |
|          | 12     | 7             | 20.6      | 20.5               | 20.4     | 5        | 20.7 | 19.4      | 19.3               | 19.2     | 0        | 19.6 |           |
|          | 12     | 13            | 20.6      | 20.5               | 20.5     | 5        | 20.7 | 19.4      | 19.2               | 19.2     | 0        | 19.6 |           |
|          | 25     | 0             | 20.6      | 20.5               | 20.4     | 5        | 20.7 | 19.4      | 19.3               | 19.2     | 0        | 19.6 |           |



**LTE Band 66 Measured Results (ANT1, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|----------|--------|---------------|-----------|--------------------|----------|------------|-----|-----------|--------------------|----------|------------|-----|-----------|
|          |        |               |           | 131987             | 132322   | 132657     | MPR | Max Power | 131987             | 132322   | 132657     | MPR | Max Power |
|          |        |               |           | 1711.5 MHz         | 1745 MHz | 1778.5 MHz |     |           | 1711.5 MHz         | 1745 MHz | 1778.5 MHz |     |           |
| 3        | QPSK   | 1             | 0         | 24.9               | 24.9     | 24.8       | 0   | 25.7      | 19.3               | 19.1     | 19.1       | 0   | 19.6      |
|          |        | 1             | 8         | 25.1               | 25.0     | 24.9       | 0   | 25.7      | 19.5               | 19.3     | 19.2       | 0   | 19.6      |
|          |        | 1             | 14        | 24.9               | 24.8     | 24.7       | 0   | 25.7      | 19.2               | 19.1     | 19.0       | 0   | 19.6      |
|          |        | 8             | 0         | 24.5               | 24.4     | 24.3       | 1   | 24.7      | 19.4               | 19.3     | 19.1       | 0   | 19.6      |
|          |        | 8             | 4         | 24.5               | 24.4     | 24.3       | 1   | 24.7      | 19.4               | 19.3     | 19.2       | 0   | 19.6      |
|          |        | 8             | 7         | 24.5               | 24.4     | 24.3       | 1   | 24.7      | 19.4               | 19.3     | 19.2       | 0   | 19.6      |
|          | 16QAM  | 15            | 0         | 24.5               | 24.3     | 24.3       | 1   | 24.7      | 19.3               | 19.2     | 19.1       | 0   | 19.6      |
|          |        | 1             | 0         | 24.2               | 24.0     | 24.0       | 1   | 24.7      | 19.5               | 19.3     | 19.4       | 0   | 19.6      |
|          |        | 1             | 8         | 24.4               | 24.2     | 24.1       | 1   | 24.7      | 19.6               | 19.6     | 19.6       | 0   | 19.6      |
|          |        | 1             | 14        | 24.2               | 24.0     | 23.9       | 1   | 24.7      | 19.6               | 19.3     | 19.4       | 0   | 19.6      |
|          |        | 8             | 0         | 23.4               | 23.3     | 23.2       | 2   | 23.7      | 19.3               | 19.2     | 19.1       | 0   | 19.6      |
|          |        | 8             | 4         | 23.5               | 23.4     | 23.3       | 2   | 23.7      | 19.4               | 19.2     | 19.2       | 0   | 19.6      |
|          | 64QAM  | 8             | 7         | 23.5               | 23.4     | 23.3       | 2   | 23.7      | 19.4               | 19.2     | 19.2       | 0   | 19.6      |
|          |        | 15            | 0         | 23.5               | 23.3     | 23.2       | 2   | 23.7      | 19.3               | 19.1     | 19.1       | 0   | 19.6      |
|          |        | 1             | 0         | 23.1               | 22.9     | 22.9       | 2   | 23.7      | 19.4               | 19.3     | 19.3       | 0   | 19.6      |
|          |        | 1             | 8         | 23.3               | 23.1     | 23.1       | 2   | 23.7      | 19.5               | 19.5     | 19.4       | 0   | 19.6      |
|          |        | 1             | 14        | 23.1               | 22.9     | 22.9       | 2   | 23.7      | 19.4               | 19.3     | 19.3       | 0   | 19.6      |
|          |        | 8             | 0         | 22.5               | 22.3     | 22.3       | 3   | 22.7      | 19.4               | 19.2     | 19.2       | 0   | 19.6      |
|          | 256QAM | 8             | 4         | 22.5               | 22.3     | 22.3       | 3   | 22.7      | 19.4               | 19.2     | 19.2       | 0   | 19.6      |
|          |        | 8             | 7         | 22.5               | 22.3     | 22.3       | 3   | 22.7      | 19.4               | 19.2     | 19.2       | 0   | 19.6      |
|          |        | 15            | 0         | 22.5               | 22.3     | 22.3       | 3   | 22.7      | 19.3               | 19.2     | 19.2       | 0   | 19.6      |
|          |        | 1             | 0         | 20.0               | 19.9     | 19.8       | 5   | 20.7      | 19.4               | 19.2     | 19.3       | 0   | 19.6      |
|          |        | 1             | 8         | 20.2               | 20.0     | 20.0       | 5   | 20.7      | 19.6               | 19.4     | 19.5       | 0   | 19.6      |
|          |        | 1             | 14        | 20.0               | 19.9     | 19.8       | 5   | 20.7      | 19.4               | 19.2     | 19.2       | 0   | 19.6      |
| 1.4      | QPSK   | 8             | 0         | 20.5               | 20.3     | 20.3       | 5   | 20.7      | 19.3               | 19.2     | 19.1       | 0   | 19.6      |
|          |        | 8             | 4         | 20.5               | 20.3     | 20.3       | 5   | 20.7      | 19.4               | 19.2     | 19.2       | 0   | 19.6      |
|          |        | 8             | 7         | 20.5               | 20.3     | 20.3       | 5   | 20.7      | 19.4               | 19.2     | 19.2       | 0   | 19.6      |
|          |        | 8             | 7         | 20.5               | 20.3     | 20.3       | 5   | 20.7      | 19.4               | 19.2     | 19.2       | 0   | 19.6      |
|          |        | 15            | 0         | 20.5               | 20.3     | 20.2       | 5   | 20.7      | 19.3               | 19.2     | 19.2       | 0   | 19.6      |
|          |        | 1             | 0         | 20.0               | 19.9     | 19.8       | 5   | 20.7      | 19.4               | 19.2     | 19.3       | 0   | 19.6      |
| 1.4      | QPSK   | 1             | 3         | 25.1               | 24.9     | 24.9       | 0   | 25.7      | 19.5               | 19.3     | 19.2       | 0   | 19.6      |
|          |        | 1             | 5         | 24.9               | 24.8     | 24.7       | 0   | 25.7      | 19.3               | 19.1     | 19.1       | 0   | 19.6      |
|          |        | 3             | 0         | 25.4               | 25.3     | 25.2       | 0   | 25.7      | 19.4               | 19.2     | 19.1       | 0   | 19.6      |
|          |        | 3             | 1         | 25.5               | 25.3     | 25.3       | 0   | 25.7      | 19.4               | 19.3     | 19.1       | 0   | 19.6      |
|          |        | 3             | 3         | 25.4               | 25.4     | 25.3       | 0   | 25.7      | 19.4               | 19.3     | 19.1       | 0   | 19.6      |
|          |        | 6             | 0         | 24.4               | 24.3     | 24.3       | 1   | 24.7      | 19.4               | 19.3     | 19.1       | 0   | 19.6      |
|          | 16QAM  | 1             | 0         | 24.0               | 24.0     | 23.9       | 1   | 24.7      | 19.6               | 19.4     | 19.2       | 0   | 19.6      |
|          |        | 1             | 3         | 24.2               | 24.2     | 24.1       | 1   | 24.7      | 19.6               | 19.5     | 19.4       | 0   | 19.6      |
|          |        | 1             | 5         | 24.1               | 24.0     | 24.0       | 1   | 24.7      | 19.6               | 19.3     | 19.2       | 0   | 19.6      |
|          |        | 3             | 0         | 24.6               | 24.4     | 24.4       | 1   | 24.7      | 19.4               | 19.3     | 19.2       | 0   | 19.6      |
|          |        | 3             | 1         | 24.6               | 24.5     | 24.5       | 1   | 24.7      | 19.5               | 19.3     | 19.3       | 0   | 19.6      |
|          |        | 3             | 3         | 24.6               | 24.5     | 24.5       | 1   | 24.7      | 19.5               | 19.3     | 19.3       | 0   | 19.6      |
|          | 64QAM  | 6             | 0         | 23.4               | 23.2     | 23.3       | 2   | 23.7      | 19.3               | 19.2     | 19.1       | 0   | 19.6      |
|          |        | 1             | 0         | 23.0               | 22.9     | 22.8       | 2   | 23.7      | 19.4               | 19.2     | 19.2       | 0   | 19.6      |
|          |        | 1             | 3         | 23.2               | 23.1     | 23.0       | 2   | 23.7      | 19.6               | 19.4     | 19.5       | 0   | 19.6      |
|          |        | 1             | 5         | 23.0               | 22.8     | 22.8       | 2   | 23.7      | 19.4               | 19.2     | 19.2       | 0   | 19.6      |
|          |        | 3             | 0         | 23.5               | 23.4     | 23.2       | 2   | 23.7      | 19.4               | 19.3     | 19.2       | 0   | 19.6      |
|          |        | 3             | 1         | 23.6               | 23.4     | 23.3       | 2   | 23.7      | 19.4               | 19.4     | 19.3       | 0   | 19.6      |
|          | 256QAM | 3             | 3         | 23.6               | 23.5     | 23.3       | 2   | 23.7      | 19.5               | 19.4     | 19.3       | 0   | 19.6      |
|          |        | 6             | 0         | 22.4               | 22.3     | 22.2       | 3   | 22.7      | 19.3               | 19.2     | 19.1       | 0   | 19.6      |
|          |        | 1             | 0         | 19.9               | 19.8     | 19.8       | 5   | 20.7      | 19.3               | 19.2     | 19.1       | 0   | 19.6      |
|          |        | 1             | 3         | 20.1               | 20.0     | 20.0       | 5   | 20.7      | 19.6               | 19.4     | 19.3       | 0   | 19.6      |
|          |        | 1             | 5         | 19.9               | 19.7     | 19.8       | 5   | 20.7      | 19.3               | 19.1     | 19.2       | 0   | 19.6      |
|          |        | 3             | 0         | 20.5               | 20.3     | 20.3       | 5   | 20.7      | 19.4               | 19.2     | 19.2       | 0   | 19.6      |
| 1.4      | QPSK   | 3             | 1         | 20.6               | 20.4     | 20.3       | 5   | 20.7      | 19.4               | 19.2     | 19.2       | 0   | 19.6      |
|          |        | 3             | 3         | 20.6               | 20.4     | 20.4       | 5   | 20.7      | 19.4               | 19.2     | 19.2       | 0   | 19.6      |
|          |        | 6             | 0         | 20.4               | 20.3     | 20.2       | 5   | 20.7      | 19.3               | 19.2     | 19.1       | 0   | 19.6      |

**LTE Band 66 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |          |      |           | Mode B Power (dBm) |          |          |      |           |
|----------|--------|---------------|-----------|--------------------|----------|----------|------|-----------|--------------------|----------|----------|------|-----------|
|          |        |               |           | 132072             | 132322   | 132572   | MPR  | Max Power | 132072             | 132322   | 132572   | MPR  | Max Power |
|          |        |               |           | 1720 MHz           | 1745 MHz | 1770 MHz |      |           | 1720 MHz           | 1745 MHz | 1770 MHz |      |           |
| 20       | QPSK   | 1             | 0         | 18.7               | 18.6     | 18.8     | 0    | 20.0      | 17.5               | 17.5     | 17.6     | 0    | 19.4      |
|          |        | 1             | 49        | 19.0               | 18.9     | 18.9     | 0    | 20.0      | 17.9               | 17.7     | 17.7     | 0    | 19.4      |
|          |        | 1             | 99        | 18.7               | 18.8     | 18.7     | 0    | 20.0      | 17.6               | 17.7     | 17.6     | 0    | 19.4      |
|          |        | 50            | 0         | 18.9               | 18.8     | 18.9     | 0    | 20.0      | 17.7               | 17.6     | 17.8     | 0    | 19.4      |
|          |        | 50            | 24        | 19.0               | 18.8     | 18.9     | 0    | 20.0      | 17.9               | 17.7     | 17.7     | 0    | 19.4      |
|          |        | 50            | 50        | 19.0               | 18.8     | 18.9     | 0    | 20.0      | 17.8               | 17.7     | 17.8     | 0    | 19.4      |
|          | 16QAM  | 100           | 0         | 19.1               | 18.9     | 19.0     | 0    | 20.0      | 17.9               | 17.8     | 17.8     | 0    | 19.4      |
|          |        | 1             | 0         | 18.6               | 18.6     | 18.5     | 0    | 20.0      | 17.8               | 17.8     | 17.6     | 0    | 19.4      |
|          |        | 1             | 49        | 18.8               | 18.8     | 18.8     | 0    | 20.0      | 17.9               | 17.9     | 17.8     | 0    | 19.4      |
|          |        | 1             | 99        | 18.6               | 18.6     | 18.4     | 0    | 20.0      | 17.7               | 17.9     | 17.5     | 0    | 19.4      |
|          |        | 50            | 0         | 18.5               | 18.3     | 18.3     | 0    | 20.0      | 17.6               | 17.5     | 17.5     | 0    | 19.4      |
|          |        | 50            | 24        | 18.5               | 18.4     | 18.3     | 0    | 20.0      | 17.6               | 17.5     | 17.5     | 0    | 19.4      |
|          | 64QAM  | 50            | 50        | 18.5               | 18.3     | 18.3     | 0    | 20.0      | 17.6               | 17.5     | 17.4     | 0    | 19.4      |
|          |        | 100           | 0         | 18.5               | 18.4     | 18.4     | 0    | 20.0      | 17.7               | 17.6     | 17.5     | 0    | 19.4      |
|          |        | 1             | 0         | 18.5               | 18.6     | 18.4     | 0    | 20.0      | 17.6               | 17.7     | 17.4     | 0    | 19.4      |
|          |        | 1             | 49        | 18.7               | 18.7     | 18.5     | 0    | 20.0      | 17.8               | 17.7     | 17.6     | 0    | 19.4      |
|          |        | 1             | 99        | 18.5               | 18.5     | 18.2     | 0    | 20.0      | 17.6               | 17.6     | 17.4     | 0    | 19.4      |
|          |        | 50            | 0         | 18.4               | 18.3     | 18.3     | 0    | 20.0      | 17.6               | 17.5     | 17.5     | 0    | 19.4      |
|          | 256QAM | 50            | 24        | 18.5               | 18.4     | 18.3     | 0    | 20.0      | 17.6               | 17.5     | 17.5     | 0    | 19.4      |
|          |        | 50            | 50        | 18.5               | 18.4     | 18.3     | 0    | 20.0      | 17.6               | 17.5     | 17.4     | 0    | 19.4      |
|          |        | 100           | 0         | 18.5               | 18.4     | 18.4     | 0    | 20.0      | 17.7               | 17.6     | 17.5     | 0    | 19.4      |
|          |        | 1             | 0         | 18.6               | 18.7     | 18.4     | 0    | 20.0      | 17.8               | 17.7     | 17.7     | 0    | 19.4      |
|          |        | 1             | 49        | 18.8               | 18.6     | 18.6     | 0    | 20.0      | 17.9               | 17.7     | 17.7     | 0    | 19.4      |
|          |        | 1             | 99        | 18.6               | 18.6     | 18.3     | 0    | 20.0      | 17.7               | 17.6     | 17.5     | 0    | 19.4      |
| 15       | QPSK   | 50            | 0         | 18.5               | 18.3     | 18.4     | 0    | 20.0      | 17.6               | 17.5     | 17.5     | 0    | 19.4      |
|          |        | 50            | 24        | 18.5               | 18.4     | 18.3     | 0    | 20.0      | 17.6               | 17.5     | 17.5     | 0    | 19.4      |
|          |        | 50            | 50        | 18.5               | 18.4     | 18.3     | 0    | 20.0      | 17.6               | 17.5     | 17.4     | 0    | 19.4      |
|          |        | 100           | 0         | 18.6               | 18.4     | 18.4     | 0    | 20.0      | 17.7               | 17.6     | 17.5     | 0    | 19.4      |
|          |        | 1             | 0         | 18.5               | 18.4     | 18.4     | 0    | 20.0      | 17.6               | 17.5     | 17.5     | 0    | 19.4      |
|          |        | 1             | 37        | 18.5               | 18.4     | 18.5     | 0    | 20.0      | 17.6               | 17.6     | 17.6     | 0    | 19.4      |
|          | 16QAM  | 1             | 74        | 18.5               | 18.4     | 18.3     | 0    | 20.0      | 17.6               | 17.5     | 17.4     | 0    | 19.4      |
|          |        | 36            | 0         | 18.6               | 18.4     | 18.4     | 0    | 20.0      | 17.7               | 17.5     | 17.6     | 0    | 19.4      |
|          |        | 36            | 20        | 18.5               | 18.5     | 18.4     | 0    | 20.0      | 17.6               | 17.6     | 17.6     | 0    | 19.4      |
|          |        | 36            | 39        | 18.6               | 18.5     | 18.3     | 0    | 20.0      | 17.7               | 17.5     | 17.5     | 0    | 19.4      |
|          |        | 75            | 0         | 18.5               | 18.5     | 18.4     | 0    | 20.0      | 17.6               | 17.6     | 17.6     | 0    | 19.4      |
|          |        | 1             | 0         | 18.8               | 18.8     | 18.7     | 0    | 20.0      | 17.8               | 17.9     | 17.9     | 0    | 19.4      |
|          | 64QAM  | 1             | 37        | 18.8               | 18.8     | 18.7     | 0    | 20.0      | 17.8               | 17.8     | 17.9     | 0    | 19.4      |
|          |        | 1             | 74        | 18.9               | 18.7     | 18.4     | 0    | 20.0      | 17.8               | 17.9     | 17.6     | 0    | 19.4      |
|          |        | 36            | 0         | 18.5               | 18.4     | 18.4     | 0    | 20.0      | 17.6               | 17.5     | 17.5     | 0    | 19.4      |
|          |        | 36            | 20        | 18.4               | 18.5     | 18.4     | 0    | 20.0      | 17.6               | 17.6     | 17.6     | 0    | 19.4      |
|          |        | 36            | 39        | 18.5               | 18.4     | 18.3     | 0    | 20.0      | 17.7               | 17.6     | 17.5     | 0    | 19.4      |
|          |        | 75            | 0         | 18.4               | 18.5     | 18.4     | 0    | 20.0      | 17.6               | 17.6     | 17.6     | 0    | 19.4      |
|          | 256QAM | 1             | 0         | 18.7               | 18.6     | 18.6     | 0    | 20.0      | 17.8               | 17.7     | 17.5     | 0    | 19.4      |
|          |        | 1             | 37        | 18.7               | 18.6     | 18.5     | 0    | 20.0      | 17.8               | 17.7     | 17.5     | 0    | 19.4      |
|          |        | 1             | 74        | 18.7               | 18.6     | 18.4     | 0    | 20.0      | 17.8               | 17.8     | 17.4     | 0    | 19.4      |
|          |        | 36            | 0         | 18.6               | 18.4     | 18.4     | 0    | 20.0      | 17.6               | 17.5     | 17.5     | 0    | 19.4      |
|          |        | 36            | 20        | 18.5               | 18.4     | 18.4     | 0    | 20.0      | 17.6               | 17.6     | 17.5     | 0    | 19.4      |
|          |        | 36            | 39        | 18.5               | 18.4     | 18.3     | 0    | 20.0      | 17.7               | 17.5     | 17.5     | 0    | 19.4      |
| 256QAM   | 75     | 0             | 18.5      | 18.4               | 18.5     | 0        | 20.0 | 17.6      | 17.6               | 17.6     | 0        | 19.4 |           |
|          | 1      | 0             | 18.8      | 18.6               | 18.7     | 0        | 20.0 | 17.9      | 17.8               | 17.6     | 0        | 19.4 |           |
|          | 1      | 37            | 18.7      | 18.7               | 18.7     | 0        | 20.0 | 17.8      | 17.7               | 17.6     | 0        | 19.4 |           |
|          | 1      | 74            | 18.8      | 18.6               | 18.5     | 0        | 20.0 | 17.9      | 17.7               | 17.5     | 0        | 19.4 |           |
|          | 36     | 0             | 18.5      | 18.4               | 18.4     | 0        | 20.0 | 17.7      | 17.5               | 17.5     | 0        | 19.4 |           |
|          | 36     | 20            | 18.5      | 18.4               | 18.5     | 0        | 20.0 | 17.6      | 17.5               | 17.5     | 0        | 19.4 |           |

**LTE Band 66 Measured Results (ANT2, Power State 1) (continued)**

| BW (MHz) | Mode  | RB Allocation | RB Offset | Mode A Power (dBm) |          |            |      |           | Mode B Power (dBm) |          |            |      |           |
|----------|-------|---------------|-----------|--------------------|----------|------------|------|-----------|--------------------|----------|------------|------|-----------|
|          |       |               |           | 132022             | 132322   | 132622     | MPR  | Max Power | 132022             | 132322   | 132622     | MPR  | Max Power |
|          |       |               |           | 1715 MHz           | 1745 MHz | 1775 MHz   |      |           | 1715 MHz           | 1745 MHz | 1775 MHz   |      |           |
| 10       | QPSK  | 1             | 0         | 18.6               | 18.4     | 18.5       | 0    | 20.0      | 17.7               | 17.6     | 17.6       | 0    | 19.4      |
|          |       | 1             | 25        | 18.6               | 18.5     | 18.4       | 0    | 20.0      | 17.7               | 17.6     | 17.6       | 0    | 19.4      |
|          |       | 1             | 49        | 18.6               | 18.4     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |       | 25            | 0         | 18.6               | 18.5     | 18.5       | 0    | 20.0      | 17.7               | 17.7     | 17.6       | 0    | 19.4      |
|          |       | 25            | 12        | 18.6               | 18.5     | 18.4       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |       | 25            | 25        | 18.6               | 18.5     | 18.4       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |       | 50            | 0         | 18.6               | 18.6     | 18.5       | 0    | 20.0      | 17.7               | 17.7     | 17.6       | 0    | 19.4      |
|          | 16QAM | 1             | 0         | 19.0               | 18.8     | 18.7       | 0    | 20.0      | 17.9               | 17.9     | 17.9       | 0    | 19.4      |
|          |       | 1             | 25        | 18.9               | 18.8     | 18.7       | 0    | 20.0      | 17.9               | 17.9     | 17.8       | 0    | 19.4      |
|          |       | 1             | 49        | 19.0               | 18.8     | 18.5       | 0    | 20.0      | 17.9               | 17.8     | 17.7       | 0    | 19.4      |
|          |       | 25            | 0         | 18.6               | 18.5     | 18.5       | 0    | 20.0      | 17.7               | 17.6     | 17.6       | 0    | 19.4      |
|          |       | 25            | 12        | 18.6               | 18.5     | 18.4       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |       | 25            | 25        | 18.6               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.4       | 0    | 19.4      |
|          |       | 50            | 0         | 18.6               | 18.5     | 18.5       | 0    | 20.0      | 17.7               | 17.6     | 17.6       | 0    | 19.4      |
|          | 64QAM | 1             | 0         | 18.8               | 18.7     | 18.7       | 0    | 20.0      | 17.9               | 17.8     | 17.8       | 0    | 19.4      |
|          |       | 1             | 25        | 18.8               | 18.7     | 18.6       | 0    | 20.0      | 17.9               | 17.8     | 17.7       | 0    | 19.4      |
|          |       | 1             | 49        | 18.9               | 18.7     | 18.4       | 0    | 20.0      | 17.9               | 17.8     | 17.7       | 0    | 19.4      |
|          |       | 25            | 0         | 18.6               | 18.5     | 18.5       | 0    | 20.0      | 17.7               | 17.6     | 17.6       | 0    | 19.4      |
|          |       | 25            | 12        | 18.6               | 18.5     | 18.4       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |       | 25            | 25        | 18.6               | 18.5     | 18.4       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
| 50       |       | 0             | 18.6      | 18.6               | 18.5     | 0          | 20.0 | 17.7      | 17.6               | 17.6     | 0          | 19.4 |           |
| 256QAM   | 1     | 0             | 18.9      | 18.7               | 18.6     | 0          | 20.0 | 17.9      | 17.8               | 17.8     | 0          | 19.4 |           |
|          | 1     | 25            | 18.8      | 18.8               | 18.6     | 0          | 20.0 | 17.9      | 17.7               | 17.7     | 0          | 19.4 |           |
|          | 1     | 49            | 18.9      | 18.7               | 18.6     | 0          | 20.0 | 17.9      | 17.8               | 17.6     | 0          | 19.4 |           |
|          | 25    | 0             | 18.6      | 18.6               | 18.5     | 0          | 20.0 | 17.7      | 17.6               | 17.6     | 0          | 19.4 |           |
|          | 25    | 12            | 18.6      | 18.5               | 18.4     | 0          | 20.0 | 17.7      | 17.6               | 17.5     | 0          | 19.4 |           |
|          | 25    | 25            | 18.6      | 18.5               | 18.4     | 0          | 20.0 | 17.7      | 17.6               | 17.4     | 0          | 19.4 |           |
|          | 50    | 0             | 18.6      | 18.6               | 18.5     | 0          | 20.0 | 17.7      | 17.7               | 17.6     | 0          | 19.4 |           |
| BW (MHz) | Mode  | RB Allocation | RB Offset | Mode A Power (dBm) |          |            |      |           | Mode B Power (dBm) |          |            |      |           |
|          |       |               |           | 131997             | 132322   | 132647     | MPR  | Max Power | 131997             | 132322   | 132647     | MPR  | Max Power |
|          |       |               |           | 1712.5 MHz         | 1745 MHz | 1777.5 MHz |      |           | 1712.5 MHz         | 1745 MHz | 1777.5 MHz |      |           |
| 5        | QPSK  | 1             | 0         | 18.6               | 18.5     | 18.4       | 0    | 20.0      | 17.8               | 17.6     | 17.5       | 0    | 19.4      |
|          |       | 1             | 12        | 18.5               | 18.4     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |       | 1             | 24        | 18.6               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |       | 12            | 0         | 18.6               | 18.5     | 18.4       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |       | 12            | 7         | 18.6               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |       | 12            | 13        | 18.5               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |       | 25            | 0         | 18.6               | 18.5     | 18.4       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          | 16QAM | 1             | 0         | 19.0               | 18.8     | 18.7       | 0    | 20.0      | 18.1               | 17.9     | 17.9       | 0    | 19.4      |
|          |       | 1             | 12        | 19.0               | 18.8     | 18.6       | 0    | 20.0      | 18.1               | 17.9     | 17.8       | 0    | 19.4      |
|          |       | 1             | 24        | 19.0               | 18.8     | 18.6       | 0    | 20.0      | 18.1               | 18.0     | 17.8       | 0    | 19.4      |
|          |       | 12            | 0         | 18.6               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.7     | 17.5       | 0    | 19.4      |
|          |       | 12            | 7         | 18.6               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |       | 12            | 13        | 18.6               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.4       | 0    | 19.4      |
|          |       | 25            | 0         | 18.6               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.4       | 0    | 19.4      |
|          | 64QAM | 1             | 0         | 18.8               | 18.7     | 18.5       | 0    | 20.0      | 17.8               | 17.8     | 17.6       | 0    | 19.4      |
|          |       | 1             | 12        | 18.8               | 18.6     | 18.5       | 0    | 20.0      | 17.8               | 17.8     | 17.6       | 0    | 19.4      |
|          |       | 1             | 24        | 18.8               | 18.7     | 18.5       | 0    | 20.0      | 17.8               | 17.9     | 17.6       | 0    | 19.4      |
|          |       | 12            | 0         | 18.6               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |       | 12            | 7         | 18.6               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.4       | 0    | 19.4      |
|          |       | 12            | 13        | 18.6               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.4       | 0    | 19.4      |
| 25       |       | 0             | 18.6      | 18.5               | 18.4     | 0          | 20.0 | 17.7      | 17.6               | 17.4     | 0          | 19.4 |           |
| 256QAM   | 1     | 0             | 18.7      | 18.7               | 18.5     | 0          | 20.0 | 17.9      | 17.8               | 17.6     | 0          | 19.4 |           |
|          | 1     | 12            | 18.7      | 18.7               | 18.5     | 0          | 20.0 | 17.9      | 17.7               | 17.6     | 0          | 19.4 |           |
|          | 1     | 24            | 18.7      | 18.7               | 18.5     | 0          | 20.0 | 17.8      | 17.8               | 17.7     | 0          | 19.4 |           |
|          | 12    | 0             | 18.6      | 18.5               | 18.4     | 0          | 20.0 | 17.7      | 17.6               | 17.4     | 0          | 19.4 |           |
|          | 12    | 7             | 18.6      | 18.5               | 18.4     | 0          | 20.0 | 17.7      | 17.6               | 17.4     | 0          | 19.4 |           |
|          | 12    | 13            | 18.6      | 18.5               | 18.4     | 0          | 20.0 | 17.7      | 17.6               | 17.4     | 0          | 19.4 |           |
|          | 25    | 0             | 18.6      | 18.5               | 18.4     | 0          | 20.0 | 17.7      | 17.6               | 17.4     | 0          | 19.4 |           |

**LTE Band 66 Measured Results (ANT2, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |            |      |           | Mode B Power (dBm) |          |            |      |           |
|----------|--------|---------------|-----------|--------------------|----------|------------|------|-----------|--------------------|----------|------------|------|-----------|
|          |        |               |           | 131987             | 132322   | 132657     | MPR  | Max Power | 131987             | 132322   | 132657     | MPR  | Max Power |
|          |        |               |           | 1711.5 MHz         | 1745 MHz | 1778.5 MHz |      |           | 1711.5 MHz         | 1745 MHz | 1778.5 MHz |      |           |
| 3        | QPSK   | 1             | 0         | 18.4               | 18.3     | 18.2       | 0    | 20.0      | 17.6               | 17.5     | 17.4       | 0    | 19.4      |
|          |        | 1             | 8         | 18.6               | 18.4     | 18.4       | 0    | 20.0      | 17.7               | 17.7     | 17.5       | 0    | 19.4      |
|          |        | 1             | 14        | 18.4               | 18.3     | 18.2       | 0    | 20.0      | 17.5               | 17.5     | 17.4       | 0    | 19.4      |
|          |        | 8             | 0         | 18.5               | 18.4     | 18.3       | 0    | 20.0      | 17.6               | 17.6     | 17.4       | 0    | 19.4      |
|          |        | 8             | 4         | 18.5               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |        | 8             | 7         | 18.5               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |        | 15            | 0         | 18.5               | 18.4     | 18.3       | 0    | 20.0      | 17.6               | 17.6     | 17.4       | 0    | 19.4      |
|          | 16QAM  | 1             | 0         | 18.7               | 18.7     | 18.4       | 0    | 20.0      | 17.9               | 17.7     | 17.6       | 0    | 19.4      |
|          |        | 1             | 8         | 18.8               | 18.9     | 18.6       | 0    | 20.0      | 18.1               | 17.8     | 17.7       | 0    | 19.4      |
|          |        | 1             | 14        | 18.6               | 18.6     | 18.4       | 0    | 20.0      | 17.9               | 17.6     | 17.6       | 0    | 19.4      |
|          |        | 8             | 0         | 18.5               | 18.4     | 18.3       | 0    | 20.0      | 17.7               | 17.5     | 17.4       | 0    | 19.4      |
|          |        | 8             | 4         | 18.5               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |        | 8             | 7         | 18.5               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.5     | 17.5       | 0    | 19.4      |
|          |        | 15            | 0         | 18.5               | 18.4     | 18.3       | 0    | 20.0      | 17.6               | 17.5     | 17.4       | 0    | 19.4      |
|          | 64QAM  | 1             | 0         | 18.5               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.4       | 0    | 19.4      |
|          |        | 1             | 8         | 18.8               | 18.6     | 18.5       | 0    | 20.0      | 17.8               | 17.8     | 17.6       | 0    | 19.4      |
|          |        | 1             | 14        | 18.5               | 18.5     | 18.3       | 0    | 20.0      | 17.6               | 17.6     | 17.5       | 0    | 19.4      |
|          |        | 8             | 0         | 18.5               | 18.5     | 18.3       | 0    | 20.0      | 17.6               | 17.5     | 17.4       | 0    | 19.4      |
|          |        | 8             | 4         | 18.6               | 18.5     | 18.3       | 0    | 20.0      | 17.6               | 17.6     | 17.4       | 0    | 19.4      |
|          |        | 8             | 7         | 18.6               | 18.5     | 18.3       | 0    | 20.0      | 17.6               | 17.5     | 17.4       | 0    | 19.4      |
|          |        | 15            | 0         | 18.5               | 18.4     | 18.2       | 0    | 20.0      | 17.6               | 17.5     | 17.4       | 0    | 19.4      |
|          | 256QAM | 1             | 0         | 18.6               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.4       | 0    | 19.4      |
|          |        | 1             | 8         | 18.8               | 18.7     | 18.5       | 0    | 20.0      | 17.8               | 17.8     | 17.6       | 0    | 19.4      |
|          |        | 1             | 14        | 18.6               | 18.5     | 18.3       | 0    | 20.0      | 17.6               | 17.6     | 17.4       | 0    | 19.4      |
| 8        |        | 0             | 18.5      | 18.4               | 18.3     | 0          | 20.0 | 17.6      | 17.6               | 17.4     | 0          | 19.4 |           |
| 8        |        | 4             | 18.6      | 18.5               | 18.3     | 0          | 20.0 | 17.6      | 17.6               | 17.4     | 0          | 19.4 |           |
| 8        |        | 7             | 18.6      | 18.5               | 18.3     | 0          | 20.0 | 17.6      | 17.6               | 17.4     | 0          | 19.4 |           |
| 15       |        | 0             | 18.5      | 18.4               | 18.3     | 0          | 20.0 | 17.6      | 17.5               | 17.4     | 0          | 19.4 |           |
| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |            |      |           | Mode B Power (dBm) |          |            |      |           |
|          |        |               |           | 131979             | 132322   | 132665     | MPR  | Max Power | 131979             | 132322   | 132665     | MPR  | Max Power |
|          |        |               |           | 1710.7 MHz         | 1745 MHz | 1779.3 MHz |      |           | 1710.7 MHz         | 1745 MHz | 1779.3 MHz |      |           |
| 1.4      | QPSK   | 1             | 0         | 18.3               | 18.3     | 18.1       | 0    | 20.0      | 17.5               | 17.5     | 17.4       | 0    | 19.4      |
|          |        | 1             | 3         | 18.5               | 18.5     | 18.3       | 0    | 20.0      | 17.7               | 17.7     | 17.5       | 0    | 19.4      |
|          |        | 1             | 5         | 18.3               | 18.3     | 18.1       | 0    | 20.0      | 17.5               | 17.5     | 17.4       | 0    | 19.4      |
|          |        | 3             | 0         | 18.4               | 18.3     | 18.2       | 0    | 20.0      | 17.6               | 17.5     | 17.4       | 0    | 19.4      |
|          |        | 3             | 1         | 18.5               | 18.4     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.4       | 0    | 19.4      |
|          |        | 3             | 3         | 18.5               | 18.4     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.4       | 0    | 19.4      |
|          |        | 6             | 0         | 18.5               | 18.4     | 18.2       | 0    | 20.0      | 17.6               | 17.5     | 17.4       | 0    | 19.4      |
|          | 16QAM  | 1             | 0         | 18.6               | 18.6     | 18.4       | 0    | 20.0      | 17.9               | 17.7     | 17.5       | 0    | 19.4      |
|          |        | 1             | 3         | 18.8               | 18.7     | 18.6       | 0    | 20.0      | 18.1               | 17.9     | 17.7       | 0    | 19.4      |
|          |        | 1             | 5         | 18.6               | 18.5     | 18.4       | 0    | 20.0      | 17.9               | 17.7     | 17.5       | 0    | 19.4      |
|          |        | 3             | 0         | 18.6               | 18.5     | 18.4       | 0    | 20.0      | 17.7               | 17.7     | 17.5       | 0    | 19.4      |
|          |        | 3             | 1         | 18.7               | 18.6     | 18.4       | 0    | 20.0      | 17.8               | 17.7     | 17.5       | 0    | 19.4      |
|          |        | 3             | 3         | 18.6               | 18.6     | 18.4       | 0    | 20.0      | 17.8               | 17.7     | 17.5       | 0    | 19.4      |
|          |        | 6             | 0         | 18.5               | 18.4     | 18.3       | 0    | 20.0      | 17.6               | 17.6     | 17.4       | 0    | 19.4      |
|          | 64QAM  | 1             | 0         | 18.5               | 18.4     | 18.2       | 0    | 20.0      | 17.7               | 17.5     | 17.4       | 0    | 19.4      |
|          |        | 1             | 3         | 18.7               | 18.6     | 18.4       | 0    | 20.0      | 17.9               | 17.7     | 17.6       | 0    | 19.4      |
|          |        | 1             | 5         | 18.5               | 18.5     | 18.2       | 0    | 20.0      | 17.6               | 17.6     | 17.4       | 0    | 19.4      |
|          |        | 3             | 0         | 18.6               | 18.5     | 18.2       | 0    | 20.0      | 17.7               | 17.6     | 17.4       | 0    | 19.4      |
|          |        | 3             | 1         | 18.7               | 18.6     | 18.3       | 0    | 20.0      | 17.7               | 17.7     | 17.5       | 0    | 19.4      |
|          |        | 3             | 3         | 18.7               | 18.6     | 18.3       | 0    | 20.0      | 17.7               | 17.6     | 17.5       | 0    | 19.4      |
|          |        | 6             | 0         | 18.5               | 18.4     | 18.2       | 0    | 20.0      | 17.6               | 17.5     | 17.4       | 0    | 19.4      |
|          | 256QAM | 1             | 0         | 18.6               | 18.4     | 18.2       | 0    | 20.0      | 17.6               | 17.5     | 17.4       | 0    | 19.4      |
|          |        | 1             | 3         | 18.7               | 18.6     | 18.4       | 0    | 20.0      | 17.9               | 17.8     | 17.6       | 0    | 19.4      |
|          |        | 1             | 5         | 18.5               | 18.4     | 18.3       | 0    | 20.0      | 17.6               | 17.5     | 17.4       | 0    | 19.4      |
| 3        |        | 0             | 18.5      | 18.4               | 18.3     | 0          | 20.0 | 17.7      | 17.6               | 17.5     | 0          | 19.4 |           |
| 3        |        | 1             | 18.6      | 18.5               | 18.3     | 0          | 20.0 | 17.7      | 17.6               | 17.5     | 0          | 19.4 |           |
| 3        |        | 3             | 18.6      | 18.5               | 18.3     | 0          | 20.0 | 17.7      | 17.6               | 17.5     | 0          | 19.4 |           |
| 6        |        | 0             | 18.5      | 18.4               | 18.2     | 0          | 20.0 | 17.6      | 17.5               | 17.4     | 0          | 19.4 |           |

**LTE Band 66 Measured Results (ANT3, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |          |      |           | Mode B Power (dBm) |          |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|----------|----------|------|-----------|--------------------|----------|----------|------|-----------|------|
|          |        |               |           | 132072             | 132322   | 132572   | MPR  | Max Power | 132072             | 132322   | 132572   | MPR  | Max Power |      |
|          |        |               |           | 1720 MHz           | 1745 MHz | 1770 MHz |      |           | 1720 MHz           | 1745 MHz | 1770 MHz |      |           |      |
| 20       | QPSK   | 1             | 0         | 23.1               | 23.0     | 22.8     | 0    | 24.2      | 20.7               | 20.7     | 20.7     | 0    | 22.1      |      |
|          |        | 1             | 49        | 23.2               | 23.1     | 22.9     | 0    | 24.2      | 20.8               | 20.8     | 20.8     | 0    | 22.1      |      |
|          |        | 1             | 99        | 22.9               | 22.9     | 22.6     | 0    | 24.2      | 20.8               | 20.7     | 20.5     | 0    | 22.1      |      |
|          |        | 50            | 0         | 23.1               | 23.0     | 22.9     | 0    | 24.2      | 20.9               | 20.8     | 20.8     | 0    | 22.1      |      |
|          |        | 50            | 24        | 23.1               | 23.0     | 22.9     | 0    | 24.2      | 20.8               | 20.9     | 20.8     | 0    | 22.1      |      |
|          |        | 50            | 50        | 23.0               | 23.0     | 22.8     | 0    | 24.2      | 20.9               | 20.9     | 20.7     | 0    | 22.1      |      |
|          | 16QAM  | 100           | 0         | 23.2               | 23.1     | 23.0     | 0    | 24.2      | 20.9               | 20.9     | 20.9     | 0    | 22.1      |      |
|          |        | 1             | 0         | 23.5               | 23.7     | 23.6     | 0    | 24.2      | 21.1               | 21.0     | 21.0     | 0    | 22.1      |      |
|          |        | 1             | 49        | 23.7               | 23.9     | 23.7     | 0    | 24.2      | 21.1               | 21.3     | 21.0     | 0    | 22.1      |      |
|          |        | 1             | 99        | 23.6               | 23.6     | 23.4     | 0    | 24.2      | 21.0               | 21.1     | 20.6     | 0    | 22.1      |      |
|          |        | 50            | 0         | 22.8               | 22.9     | 22.8     | 1    | 23.2      | 20.9               | 20.8     | 20.8     | 0    | 22.1      |      |
|          |        | 50            | 24        | 22.7               | 23.0     | 22.8     | 1    | 23.2      | 20.8               | 20.8     | 20.7     | 0    | 22.1      |      |
|          | 64QAM  | 50            | 50        | 22.8               | 22.9     | 22.6     | 1    | 23.2      | 20.7               | 20.8     | 20.6     | 0    | 22.1      |      |
|          |        | 100           | 0         | 22.8               | 23.0     | 22.9     | 1    | 23.2      | 20.8               | 20.9     | 20.8     | 0    | 22.1      |      |
|          |        | 1             | 0         | 22.8               | 22.8     | 22.7     | 1    | 23.2      | 21.0               | 21.0     | 21.0     | 0    | 22.1      |      |
|          |        | 1             | 49        | 22.7               | 23.0     | 22.7     | 1    | 23.2      | 20.9               | 21.2     | 21.0     | 0    | 22.1      |      |
|          |        | 1             | 99        | 22.7               | 22.8     | 22.5     | 1    | 23.2      | 20.9               | 21.1     | 20.6     | 0    | 22.1      |      |
|          |        | 50            | 0         | 22.0               | 22.1     | 22.1     | 2    | 22.2      | 20.9               | 20.9     | 20.8     | 0    | 22.1      |      |
|          | 256QAM | 50            | 24        | 21.9               | 22.1     | 22.0     | 2    | 22.2      | 20.8               | 20.9     | 20.8     | 0    | 22.1      |      |
|          |        | 50            | 50        | 22.0               | 22.1     | 21.8     | 2    | 22.2      | 20.7               | 20.9     | 20.6     | 0    | 22.1      |      |
|          |        | 100           | 0         | 22.0               | 22.2     | 22.1     | 2    | 22.2      | 20.9               | 20.9     | 20.9     | 0    | 22.1      |      |
|          |        | 1             | 0         | 19.7               | 19.6     | 19.6     | 4    | 20.2      | 19.3               | 19.2     | 19.2     | 1.9  | 20.2      |      |
|          |        | 1             | 49        | 19.7               | 19.8     | 19.6     | 4    | 20.2      | 19.3               | 19.4     | 19.2     | 1.9  | 20.2      |      |
|          |        | 1             | 99        | 19.8               | 19.7     | 19.4     | 4    | 20.2      | 19.3               | 19.3     | 18.7     | 1.9  | 20.2      |      |
| 15       | QPSK   | 50            | 0         | 20.0               | 20.1     | 20.0     | 4    | 20.2      | 19.7               | 19.6     | 19.6     | 1.9  | 20.2      |      |
|          |        | 50            | 24        | 19.9               | 20.1     | 20.0     | 4    | 20.2      | 19.6               | 19.7     | 19.6     | 1.9  | 20.2      |      |
|          |        | 50            | 50        | 20.0               | 20.1     | 19.8     | 4    | 20.2      | 19.5               | 19.7     | 19.4     | 1.9  | 20.2      |      |
|          |        | 100           | 0         | 20.0               | 20.2     | 20.1     | 4    | 20.2      | 19.6               | 19.8     | 19.7     | 1.9  | 20.2      |      |
|          |        | 16QAM         | 1         | 0                  | 23.4     | 23.5     | 23.4 | 0         | 24.2               | 21.0     | 20.9     | 20.9 | 0         | 22.1 |
|          |        |               | 1         | 37                 | 23.4     | 23.5     | 23.3 | 0         | 24.2               | 21.0     | 21.0     | 20.8 | 0         | 22.1 |
|          | 1      |               | 74        | 23.4               | 23.4     | 23.3     | 0    | 24.2      | 20.8               | 20.9     | 20.6     | 0    | 22.1      |      |
|          | 36     |               | 0         | 23.4               | 23.5     | 23.4     | 0    | 24.2      | 21.0               | 20.9     | 20.9     | 0    | 22.1      |      |
|          | 36     |               | 20        | 23.4               | 23.5     | 23.3     | 0    | 24.2      | 20.9               | 21.0     | 20.8     | 0    | 22.1      |      |
|          | 36     |               | 39        | 23.3               | 23.4     | 23.2     | 0    | 24.2      | 20.8               | 21.0     | 20.7     | 0    | 22.1      |      |
|          | 75     |               | 0         | 23.4               | 23.5     | 23.3     | 0    | 24.2      | 21.0               | 21.0     | 20.8     | 0    | 22.1      |      |
|          | 64QAM  |               | 1         | 0                  | 23.7     | 23.8     | 23.9 | 0         | 24.2               | 21.3     | 21.2     | 21.1 | 0         | 22.1 |
|          |        |               | 1         | 37                 | 23.7     | 23.8     | 23.7 | 0         | 24.2               | 21.3     | 21.3     | 20.9 | 0         | 22.1 |
|          |        |               | 1         | 74                 | 23.7     | 23.8     | 23.7 | 0         | 24.2               | 21.1     | 21.2     | 20.7 | 0         | 22.1 |
|          |        |               | 36        | 0                  | 22.9     | 23.0     | 22.9 | 1         | 23.2               | 20.9     | 20.9     | 20.8 | 0         | 22.1 |
|          |        |               | 36        | 20                 | 22.9     | 23.0     | 22.8 | 1         | 23.2               | 20.9     | 20.9     | 20.7 | 0         | 22.1 |
|          |        | 36            | 39        | 22.8               | 22.9     | 22.6     | 1    | 23.2      | 20.8               | 20.9     | 20.6     | 0    | 22.1      |      |
|          | 256QAM | 75            | 0         | 22.9               | 23.0     | 22.7     | 1    | 23.2      | 20.9               | 20.9     | 20.7     | 0    | 22.1      |      |
|          |        | 1             | 0         | 22.9               | 22.8     | 22.8     | 1    | 23.2      | 21.3               | 21.2     | 20.9     | 0    | 22.1      |      |
|          |        | 1             | 37        | 22.8               | 22.8     | 22.6     | 1    | 23.2      | 21.2               | 21.0     | 20.8     | 0    | 22.1      |      |
|          |        | 1             | 74        | 22.8               | 22.8     | 22.6     | 1    | 23.2      | 21.1               | 21.0     | 20.7     | 0    | 22.1      |      |
|          |        | 36            | 0         | 22.1               | 22.1     | 22.0     | 2    | 22.2      | 20.9               | 20.9     | 20.8     | 0    | 22.1      |      |
|          |        | 36            | 20        | 22.0               | 22.1     | 21.9     | 2    | 22.2      | 20.9               | 20.9     | 20.7     | 0    | 22.1      |      |
|          | 256QAM | 36            | 39        | 22.0               | 22.1     | 21.8     | 2    | 22.2      | 20.8               | 20.9     | 20.6     | 0    | 22.1      |      |
| 75       |        | 0             | 22.1      | 22.2               | 22.0     | 2        | 22.2 | 20.9      | 20.9               | 20.8     | 0        | 22.1 |           |      |
| 1        |        | 0             | 19.7      | 19.8               | 19.7     | 4        | 20.2 | 19.4      | 19.4               | 19.3     | 1.9      | 20.2 |           |      |
| 1        |        | 37            | 19.6      | 19.8               | 19.5     | 4        | 20.2 | 19.4      | 19.4               | 19.1     | 1.9      | 20.2 |           |      |
| 1        |        | 74            | 19.7      | 19.6               | 19.6     | 4        | 20.2 | 19.2      | 19.4               | 19.0     | 1.9      | 20.2 |           |      |
| 36       |        | 0             | 20.0      | 20.1               | 20.0     | 4        | 20.2 | 19.7      | 19.7               | 19.6     | 1.9      | 20.2 |           |      |

**LTE Band 66 Measured Results (ANT3, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |          |      |           | Mode B Power (dBm) |          |          |      |           |      |
|----------|--------|---------------|-----------|--------------------|----------|----------|------|-----------|--------------------|----------|----------|------|-----------|------|
|          |        |               |           | 132022             | 132322   | 132622   | MPR  | Max Power | 132022             | 132322   | 132622   | MPR  | Max Power |      |
|          |        |               |           | 1715 MHz           | 1745 MHz | 1775 MHz |      |           | 1715 MHz           | 1745 MHz | 1775 MHz |      |           |      |
| 10       | QPSK   | 1             | 0         | 23.5               | 23.5     | 23.4     | 0    | 24.2      | 21.1               | 20.9     | 20.9     | 0    | 22.1      |      |
|          |        | 1             | 25        | 23.5               | 23.6     | 23.3     | 0    | 24.2      | 21.0               | 21.0     | 20.8     | 0    | 22.1      |      |
|          |        | 1             | 49        | 23.4               | 23.5     | 23.4     | 0    | 24.2      | 20.9               | 21.0     | 20.7     | 0    | 22.1      |      |
|          |        | 25            | 0         | 23.5               | 23.6     | 23.3     | 0    | 24.2      | 21.0               | 21.0     | 20.9     | 0    | 22.1      |      |
|          |        | 25            | 12        | 23.4               | 23.6     | 23.2     | 0    | 24.2      | 21.0               | 21.0     | 20.8     | 0    | 22.1      |      |
|          |        | 25            | 25        | 23.4               | 23.6     | 23.2     | 0    | 24.2      | 21.0               | 21.0     | 20.7     | 0    | 22.1      |      |
|          | 16QAM  | 50            | 0         | 23.5               | 23.6     | 23.3     | 0    | 24.2      | 21.1               | 21.0     | 20.8     | 0    | 22.1      |      |
|          |        | 1             | 0         | 23.7               | 23.8     | 23.7     | 0    | 24.2      | 21.2               | 21.2     | 21.2     | 0    | 22.1      |      |
|          |        | 1             | 25        | 23.7               | 23.9     | 23.6     | 0    | 24.2      | 21.3               | 21.3     | 21.1     | 0    | 22.1      |      |
|          |        | 1             | 49        | 23.6               | 23.8     | 23.7     | 0    | 24.2      | 21.1               | 21.2     | 21.0     | 0    | 22.1      |      |
|          |        | 25            | 0         | 22.9               | 23.1     | 22.8     | 1    | 23.2      | 21.0               | 21.0     | 20.8     | 0    | 22.1      |      |
|          |        | 25            | 12        | 22.9               | 23.0     | 22.7     | 1    | 23.2      | 21.0               | 21.0     | 20.7     | 0    | 22.1      |      |
|          | 64QAM  | 25            | 25        | 22.9               | 23.0     | 22.6     | 1    | 23.2      | 21.0               | 21.0     | 20.6     | 0    | 22.1      |      |
|          |        | 50            | 0         | 22.9               | 23.1     | 22.7     | 1    | 23.2      | 21.0               | 21.0     | 20.7     | 0    | 22.1      |      |
|          |        | 1             | 0         | 22.9               | 22.9     | 22.8     | 1    | 23.2      | 21.2               | 21.2     | 21.1     | 0    | 22.1      |      |
|          |        | 1             | 25        | 23.0               | 22.8     | 22.5     | 1    | 23.2      | 21.2               | 21.1     | 21.0     | 0    | 22.1      |      |
|          |        | 1             | 49        | 22.8               | 22.9     | 22.7     | 1    | 23.2      | 21.2               | 21.1     | 20.9     | 0    | 22.1      |      |
|          |        | 25            | 0         | 22.1               | 22.2     | 22.0     | 2    | 22.2      | 21.0               | 21.0     | 20.8     | 0    | 22.1      |      |
|          | 256QAM | 25            | 12        | 22.1               | 22.2     | 21.8     | 2    | 22.2      | 21.0               | 21.0     | 20.7     | 0    | 22.1      |      |
|          |        | 25            | 25        | 22.1               | 22.2     | 21.8     | 2    | 22.2      | 21.0               | 20.9     | 20.7     | 0    | 22.1      |      |
|          |        | 50            | 0         | 22.1               | 22.2     | 21.9     | 2    | 22.2      | 21.0               | 21.0     | 20.7     | 0    | 22.1      |      |
|          |        | 1             | 0         | 19.9               | 19.8     | 19.7     | 4    | 20.2      | 19.5               | 19.3     | 19.3     | 1.9  | 20.2      |      |
|          |        | 1             | 25        | 19.8               | 19.8     | 19.4     | 4    | 20.2      | 19.5               | 19.4     | 19.1     | 1.9  | 20.2      |      |
|          |        | 1             | 49        | 19.7               | 19.7     | 19.6     | 4    | 20.2      | 19.4               | 19.4     | 19.0     | 1.9  | 20.2      |      |
|          | 5      | QPSK          | 25        | 0                  | 20.1     | 20.2     | 20.0 | 4         | 20.2               | 19.8     | 19.8     | 19.6 | 1.9       | 20.2 |
|          |        |               | 25        | 12                 | 20.1     | 20.2     | 19.8 | 4         | 20.2               | 19.8     | 19.8     | 19.5 | 1.9       | 20.2 |
|          |        |               | 25        | 25                 | 20.1     | 20.2     | 19.8 | 4         | 20.2               | 19.8     | 19.8     | 19.4 | 1.9       | 20.2 |
|          |        |               | 50        | 0                  | 20.1     | 20.2     | 19.9 | 4         | 20.2               | 19.9     | 19.8     | 19.5 | 1.9       | 20.2 |
|          |        |               | 1         | 0                  | 23.5     | 23.6     | 23.2 | 0         | 24.2               | 21.0     | 21.0     | 20.7 | 0         | 22.1 |
|          |        |               | 1         | 12                 | 23.5     | 23.5     | 23.3 | 0         | 24.2               | 21.0     | 21.0     | 20.7 | 0         | 22.1 |
| 16QAM    | 64QAM  | 1             | 24        | 23.5               | 23.6     | 23.4     | 0    | 24.2      | 21.0               | 21.0     | 20.7     | 0    | 22.1      |      |
|          |        | 12            | 0         | 23.5               | 23.6     | 23.2     | 0    | 24.2      | 21.0               | 21.0     | 20.7     | 0    | 22.1      |      |
|          |        | 12            | 7         | 23.5               | 23.6     | 23.2     | 0    | 24.2      | 21.0               | 21.0     | 20.7     | 0    | 22.1      |      |
|          |        | 12            | 13        | 23.5               | 23.6     | 23.3     | 0    | 24.2      | 21.0               | 21.0     | 20.7     | 0    | 22.1      |      |
|          |        | 25            | 0         | 23.5               | 23.6     | 23.3     | 0    | 24.2      | 21.0               | 21.0     | 20.7     | 0    | 22.1      |      |
|          |        | 25            | 0         | 23.9               | 24.0     | 23.5     | 0    | 24.2      | 21.4               | 21.4     | 21.1     | 0    | 22.1      |      |
|          | 256QAM | 16QAM         | 1         | 0                  | 23.9     | 24.0     | 23.5 | 0         | 24.2               | 21.4     | 21.4     | 21.1 | 0         | 22.1 |
|          |        |               | 1         | 12                 | 23.9     | 23.9     | 23.5 | 0         | 24.2               | 21.4     | 21.3     | 21.0 | 0         | 22.1 |
|          |        |               | 1         | 24                 | 23.9     | 24.0     | 23.7 | 0         | 24.2               | 21.4     | 21.3     | 21.1 | 0         | 22.1 |
|          |        |               | 12        | 0                  | 23.0     | 23.0     | 22.6 | 1         | 23.2               | 21.0     | 21.0     | 20.7 | 0         | 22.1 |
|          |        |               | 12        | 7                  | 23.0     | 23.0     | 22.7 | 1         | 23.2               | 21.0     | 21.0     | 20.7 | 0         | 22.1 |
|          |        |               | 12        | 13                 | 23.0     | 23.0     | 22.7 | 1         | 23.2               | 21.0     | 21.0     | 20.7 | 0         | 22.1 |
| 256QAM   | 64QAM  | 25            | 0         | 23.0               | 23.0     | 22.6     | 1    | 23.2      | 21.0               | 21.0     | 20.7     | 0    | 22.1      |      |
|          |        | 1             | 0         | 22.9               | 22.9     | 22.5     | 1    | 23.2      | 21.3               | 21.5     | 21.0     | 0    | 22.1      |      |
|          |        | 1             | 12        | 22.9               | 22.9     | 22.6     | 1    | 23.2      | 21.3               | 21.4     | 21.0     | 0    | 22.1      |      |
|          |        | 1             | 24        | 22.9               | 22.9     | 22.7     | 1    | 23.2      | 21.4               | 21.4     | 21.2     | 0    | 22.1      |      |
|          |        | 12            | 0         | 22.1               | 22.2     | 21.8     | 2    | 22.2      | 21.2               | 21.3     | 20.8     | 0    | 22.1      |      |
|          |        | 12            | 7         | 22.1               | 22.2     | 21.9     | 2    | 22.2      | 21.2               | 21.2     | 20.9     | 0    | 22.1      |      |
|          | 256QAM | 256QAM        | 12        | 13                 | 22.1     | 22.2     | 21.9 | 2         | 22.2               | 21.2     | 21.2     | 20.9 | 0         | 22.1 |
|          |        |               | 25        | 0                  | 22.1     | 22.2     | 21.9 | 2         | 22.2               | 21.2     | 21.3     | 20.9 | 0         | 22.1 |
|          |        |               | 1         | 0                  | 19.7     | 19.8     | 19.4 | 4         | 20.2               | 19.7     | 19.7     | 19.3 | 1.9       | 20.2 |
|          |        |               | 1         | 12                 | 19.7     | 19.8     | 19.4 | 4         | 20.2               | 19.7     | 19.7     | 19.4 | 1.9       | 20.2 |
|          |        |               | 1         | 24                 | 19.7     | 19.8     | 19.6 | 4         | 20.2               | 19.7     | 19.6     | 19.6 | 1.9       | 20.2 |
|          |        |               | 12        | 0                  | 20.1     | 20.2     | 19.8 | 4         | 20.2               | 19.9     | 20.1     | 19.7 | 1.9       | 20.2 |

**LTE Band 66 Measured Results (ANT3, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |            |      |           | Mode B Power (dBm) |          |            |      |           |
|----------|--------|---------------|-----------|--------------------|----------|------------|------|-----------|--------------------|----------|------------|------|-----------|
|          |        |               |           | 131987             | 132322   | 132657     | MPR  | Max Power | 131987             | 132322   | 132657     | MPR  | Max Power |
|          |        |               |           | 1711.5 MHz         | 1745 MHz | 1778.5 MHz |      |           | 1711.5 MHz         | 1745 MHz | 1778.5 MHz |      |           |
| 3        | QPSK   | 1             | 0         | 23.3               | 23.4     | 23.1       | 0    | 24.2      | 21.1               | 21.1     | 20.7       | 0    | 22.1      |
|          |        | 1             | 8         | 23.5               | 23.5     | 23.3       | 0    | 24.2      | 21.3               | 21.3     | 20.9       | 0    | 22.1      |
|          |        | 1             | 14        | 23.3               | 23.3     | 23.2       | 0    | 24.2      | 21.1               | 21.1     | 20.8       | 0    | 22.1      |
|          |        | 8             | 0         | 23.4               | 23.4     | 23.2       | 0    | 24.2      | 21.1               | 21.2     | 20.9       | 0    | 22.1      |
|          |        | 8             | 4         | 23.4               | 23.5     | 23.2       | 0    | 24.2      | 21.1               | 21.2     | 20.9       | 0    | 22.1      |
|          |        | 8             | 7         | 23.4               | 23.5     | 23.2       | 0    | 24.2      | 21.1               | 21.2     | 20.9       | 0    | 22.1      |
|          |        | 15            | 0         | 23.3               | 23.4     | 23.2       | 0    | 24.2      | 21.1               | 21.2     | 20.9       | 0    | 22.1      |
|          | 16QAM  | 1             | 0         | 23.5               | 23.7     | 23.4       | 0    | 24.2      | 21.2               | 21.2     | 20.8       | 0    | 22.1      |
|          |        | 1             | 8         | 23.6               | 23.8     | 23.6       | 0    | 24.2      | 21.3               | 21.3     | 21.1       | 0    | 22.1      |
|          |        | 1             | 14        | 23.5               | 23.6     | 23.5       | 0    | 24.2      | 21.2               | 21.2     | 21.0       | 0    | 22.1      |
|          |        | 8             | 0         | 22.8               | 22.9     | 22.7       | 1    | 23.2      | 21.1               | 21.2     | 20.9       | 0    | 22.1      |
|          |        | 8             | 4         | 22.9               | 23.0     | 22.7       | 1    | 23.2      | 21.1               | 21.2     | 20.9       | 0    | 22.1      |
|          |        | 8             | 7         | 22.9               | 22.9     | 22.7       | 1    | 23.2      | 21.1               | 21.2     | 20.9       | 0    | 22.1      |
|          | 64QAM  | 15            | 0         | 22.8               | 22.9     | 22.6       | 1    | 23.2      | 21.1               | 21.1     | 20.8       | 0    | 22.1      |
|          |        | 1             | 0         | 22.6               | 22.7     | 22.2       | 1    | 23.2      | 21.2               | 21.3     | 20.8       | 0    | 22.1      |
|          |        | 1             | 8         | 22.8               | 22.8     | 22.5       | 1    | 23.2      | 21.4               | 21.4     | 21.1       | 0    | 22.1      |
|          |        | 1             | 14        | 22.7               | 22.7     | 22.4       | 1    | 23.2      | 21.2               | 21.3     | 21.0       | 0    | 22.1      |
|          |        | 8             | 0         | 22.1               | 22.1     | 21.8       | 2    | 22.2      | 21.1               | 21.2     | 20.9       | 0    | 22.1      |
|          |        | 8             | 4         | 22.1               | 22.1     | 21.9       | 2    | 22.2      | 21.1               | 21.3     | 20.9       | 0    | 22.1      |
|          |        | 8             | 7         | 22.1               | 22.2     | 21.8       | 2    | 22.2      | 21.1               | 21.3     | 20.9       | 0    | 22.1      |
|          | 256QAM | 15            | 0         | 22.0               | 22.1     | 21.8       | 2    | 22.2      | 21.1               | 21.2     | 20.9       | 0    | 22.1      |
|          |        | 1             | 0         | 19.6               | 19.7     | 19.3       | 4    | 20.2      | 19.5               | 19.6     | 19.1       | 1.9  | 20.2      |
|          |        | 1             | 8         | 19.7               | 19.7     | 19.5       | 4    | 20.2      | 19.7               | 19.7     | 19.4       | 1.9  | 20.2      |
|          |        | 1             | 14        | 19.5               | 19.6     | 19.4       | 4    | 20.2      | 19.5               | 19.5     | 19.2       | 1.9  | 20.2      |
| 8        |        | 0             | 20.0      | 20.0               | 19.8     | 4          | 20.2 | 19.9      | 20.0               | 19.8     | 1.9        | 20.2 |           |
| 8        |        | 4             | 20.0      | 20.1               | 19.8     | 4          | 20.2 | 20.0      | 20.0               | 19.8     | 1.9        | 20.2 |           |
| 8        |        | 7             | 20.0      | 20.0               | 19.9     | 4          | 20.2 | 20.0      | 20.0               | 19.8     | 1.9        | 20.2 |           |
| 1.4      | QPSK   | 15            | 0         | 20.0               | 20.0     | 19.8       | 4    | 20.2      | 19.9               | 20.0     | 19.7       | 1.9  | 20.2      |
|          |        | 1             | 0         | 23.2               | 23.3     | 23.2       | 0    | 24.2      | 21.0               | 21.1     | 20.8       | 0    | 22.1      |
|          |        | 1             | 3         | 23.3               | 23.5     | 23.3       | 0    | 24.2      | 21.2               | 21.2     | 21.0       | 0    | 22.1      |
|          |        | 1             | 5         | 23.2               | 23.3     | 23.1       | 0    | 24.2      | 21.0               | 21.0     | 20.8       | 0    | 22.1      |
|          |        | 3             | 0         | 23.2               | 23.4     | 23.1       | 0    | 24.2      | 21.1               | 21.1     | 20.9       | 0    | 22.1      |
|          |        | 3             | 1         | 23.3               | 23.4     | 23.2       | 0    | 24.2      | 21.1               | 21.2     | 21.0       | 0    | 22.1      |
|          |        | 3             | 3         | 23.3               | 23.4     | 23.2       | 0    | 24.2      | 21.0               | 21.2     | 21.0       | 0    | 22.1      |
|          | 16QAM  | 6             | 0         | 23.3               | 23.4     | 23.2       | 0    | 24.2      | 21.0               | 21.2     | 20.9       | 0    | 22.1      |
|          |        | 1             | 0         | 23.4               | 23.6     | 23.3       | 0    | 24.2      | 21.1               | 21.2     | 21.0       | 0    | 22.1      |
|          |        | 1             | 3         | 23.6               | 23.9     | 23.5       | 0    | 24.2      | 21.3               | 21.4     | 21.2       | 0    | 22.1      |
|          |        | 1             | 5         | 23.4               | 23.7     | 23.4       | 0    | 24.2      | 21.1               | 21.2     | 21.0       | 0    | 22.1      |
|          |        | 3             | 0         | 23.4               | 23.5     | 23.3       | 0    | 24.2      | 21.2               | 21.2     | 20.9       | 0    | 22.1      |
|          |        | 3             | 1         | 23.4               | 23.5     | 23.4       | 0    | 24.2      | 21.2               | 21.3     | 21.0       | 0    | 22.1      |
|          |        | 3             | 3         | 23.4               | 23.5     | 23.3       | 0    | 24.2      | 21.2               | 21.3     | 21.0       | 0    | 22.1      |
|          | 64QAM  | 6             | 0         | 22.8               | 22.9     | 22.7       | 1    | 23.2      | 21.1               | 21.2     | 20.9       | 0    | 22.1      |
|          |        | 1             | 0         | 22.5               | 22.7     | 22.6       | 1    | 23.2      | 21.2               | 21.2     | 21.0       | 0    | 22.1      |
|          |        | 1             | 3         | 22.7               | 22.8     | 22.8       | 1    | 23.2      | 21.4               | 21.4     | 21.2       | 0    | 22.1      |
|          |        | 1             | 5         | 22.5               | 22.7     | 22.6       | 1    | 23.2      | 21.2               | 21.2     | 21.0       | 0    | 22.1      |
|          |        | 3             | 0         | 23.0               | 23.2     | 23.1       | 1    | 23.2      | 21.2               | 21.3     | 21.0       | 0    | 22.1      |
|          |        | 3             | 1         | 23.1               | 23.2     | 23.2       | 1    | 23.2      | 21.2               | 21.3     | 21.1       | 0    | 22.1      |
|          |        | 3             | 3         | 23.1               | 23.2     | 23.2       | 1    | 23.2      | 21.2               | 21.3     | 21.1       | 0    | 22.1      |
|          | 256QAM | 6             | 0         | 21.9               | 22.1     | 22.1       | 2    | 22.2      | 21.1               | 21.2     | 21.0       | 0    | 22.1      |
|          |        | 1             | 0         | 19.5               | 19.5     | 19.5       | 4    | 20.2      | 19.5               | 19.5     | 19.2       | 1.9  | 20.2      |
|          |        | 1             | 3         | 19.7               | 19.8     | 19.7       | 4    | 20.2      | 19.7               | 19.7     | 19.5       | 1.9  | 20.2      |
| 1        |        | 5             | 19.5      | 19.5               | 19.5     | 4          | 20.2 | 19.5      | 19.4               | 19.2     | 1.9        | 20.2 |           |
| 3        |        | 0             | 20.0      | 20.1               | 20.0     | 4          | 20.2 | 20.0      | 20.0               | 19.8     | 1.9        | 20.2 |           |
| 3        |        | 1             | 20.1      | 20.2               | 20.1     | 4          | 20.2 | 20.1      | 20.1               | 19.8     | 1.9        | 20.2 |           |
| 3        |        | 3             | 20.1      | 20.1               | 20.1     | 4          | 20.2 | 20.1      | 20.1               | 19.8     | 1.9        | 20.2 |           |

**LTE Band 66 Measured Results (ANT4, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |          |      |           | Mode B Power (dBm) |          |          |      |           |
|----------|--------|---------------|-----------|--------------------|----------|----------|------|-----------|--------------------|----------|----------|------|-----------|
|          |        |               |           | 132072             | 132322   | 132572   | MPR  | Max Power | 132072             | 132322   | 132572   | MPR  | Max Power |
|          |        |               |           | 1720 MHz           | 1745 MHz | 1770 MHz |      |           | 1720 MHz           | 1745 MHz | 1770 MHz |      |           |
| 20       | QPSK   | 1             | 0         | 18.1               | 18.2     | 18.3     | 0    | 20.0      | 19.9               | 20.0     | 20.1     | 0    | 21.8      |
|          |        | 1             | 49        | 18.3               | 18.4     | 18.5     | 0    | 20.0      | 20.2               | 20.2     | 20.3     | 0    | 21.8      |
|          |        | 1             | 99        | 18.1               | 18.3     | 18.0     | 0    | 20.0      | 19.9               | 20.1     | 19.8     | 0    | 21.8      |
|          |        | 50            | 0         | 18.5               | 18.4     | 18.4     | 0    | 20.0      | 20.2               | 20.3     | 20.3     | 0    | 21.8      |
|          |        | 50            | 24        | 18.4               | 18.4     | 18.2     | 0    | 20.0      | 20.2               | 20.2     | 20.3     | 0    | 21.8      |
|          |        | 50            | 50        | 18.4               | 18.5     | 18.2     | 0    | 20.0      | 20.1               | 20.3     | 20.0     | 0    | 21.8      |
|          | 16QAM  | 100           | 0         | 18.4               | 18.5     | 18.5     | 0    | 20.0      | 20.2               | 20.3     | 20.3     | 0    | 21.8      |
|          |        | 1             | 0         | 18.9               | 19.0     | 19.2     | 0    | 20.0      | 20.4               | 20.6     | 20.5     | 0    | 21.8      |
|          |        | 1             | 49        | 19.3               | 19.2     | 19.4     | 0    | 20.0      | 20.6               | 20.7     | 20.7     | 0    | 21.8      |
|          |        | 1             | 99        | 19.0               | 19.1     | 19.0     | 0    | 20.0      | 20.5               | 20.7     | 20.2     | 0    | 21.8      |
|          |        | 50            | 0         | 18.9               | 18.8     | 18.9     | 0    | 20.0      | 20.4               | 20.3     | 20.3     | 0    | 21.8      |
|          |        | 50            | 24        | 18.8               | 18.8     | 19.0     | 0    | 20.0      | 20.3               | 20.3     | 20.3     | 0    | 21.8      |
|          | 64QAM  | 50            | 50        | 18.8               | 18.9     | 18.8     | 0    | 20.0      | 20.3               | 20.4     | 20.0     | 0    | 21.8      |
|          |        | 100           | 0         | 18.9               | 18.9     | 19.0     | 0    | 20.0      | 20.3               | 20.4     | 20.3     | 0    | 21.8      |
|          |        | 1             | 0         | 18.7               | 18.9     | 19.0     | 0    | 20.0      | 20.4               | 20.5     | 20.6     | 0    | 21.8      |
|          |        | 1             | 49        | 18.9               | 19.1     | 18.9     | 0    | 20.0      | 20.8               | 20.6     | 20.8     | 0    | 21.8      |
|          |        | 1             | 99        | 18.8               | 18.9     | 18.7     | 0    | 20.0      | 20.5               | 20.7     | 20.6     | 0    | 21.8      |
|          |        | 50            | 0         | 18.8               | 18.8     | 18.8     | 0    | 20.0      | 20.6               | 20.6     | 20.6     | 0.6  | 21.2      |
|          | 256QAM | 50            | 24        | 18.7               | 18.8     | 18.8     | 0    | 20.0      | 20.5               | 20.5     | 20.6     | 0.6  | 21.2      |
|          |        | 50            | 50        | 18.6               | 18.9     | 18.6     | 0    | 20.0      | 20.4               | 20.5     | 20.5     | 0.6  | 21.2      |
|          |        | 100           | 0         | 18.8               | 18.9     | 18.9     | 0    | 20.0      | 20.5               | 20.6     | 20.6     | 0.6  | 21.2      |
|          |        | 1             | 0         | 18.3               | 18.1     | 18.3     | 0.8  | 19.2      | 18.2               | 18.2     | 18.2     | 2.6  | 19.2      |
|          |        | 1             | 49        | 18.4               | 18.4     | 18.4     | 0.8  | 19.2      | 18.3               | 18.4     | 18.4     | 2.6  | 19.2      |
|          |        | 1             | 99        | 18.2               | 18.4     | 18.1     | 0.8  | 19.2      | 18.0               | 18.5     | 18.1     | 2.6  | 19.2      |
| 15       | QPSK   | 50            | 0         | 18.7               | 18.7     | 18.7     | 0.8  | 19.2      | 18.6               | 18.6     | 18.7     | 2.6  | 19.2      |
|          |        | 50            | 24        | 18.6               | 18.7     | 18.7     | 0.8  | 19.2      | 18.6               | 18.6     | 18.7     | 2.6  | 19.2      |
|          |        | 50            | 50        | 18.6               | 18.8     | 18.5     | 0.8  | 19.2      | 18.5               | 18.7     | 18.5     | 2.6  | 19.2      |
|          |        | 100           | 0         | 18.7               | 18.8     | 18.8     | 0.8  | 19.2      | 18.6               | 18.7     | 18.7     | 2.6  | 19.2      |
|          |        | 1             | 0         | 18.8               | 18.8     | 18.8     | 0    | 20.0      | 20.4               | 20.4     | 20.4     | 0    | 21.8      |
|          |        | 1             | 37        | 19.0               | 18.9     | 18.9     | 0    | 20.0      | 20.5               | 20.4     | 20.3     | 0    | 21.8      |
|          | 16QAM  | 1             | 74        | 18.8               | 18.9     | 18.7     | 0    | 20.0      | 20.3               | 20.5     | 20.1     | 0    | 21.8      |
|          |        | 36            | 0         | 18.8               | 18.9     | 18.9     | 0    | 20.0      | 20.4               | 20.4     | 20.4     | 0    | 21.8      |
|          |        | 36            | 20        | 18.8               | 18.9     | 18.9     | 0    | 20.0      | 20.4               | 20.4     | 20.3     | 0    | 21.8      |
|          |        | 36            | 39        | 18.8               | 18.9     | 18.7     | 0    | 20.0      | 20.3               | 20.4     | 20.1     | 0    | 21.8      |
|          |        | 75            | 0         | 18.9               | 18.9     | 18.9     | 0    | 20.0      | 20.4               | 20.4     | 20.3     | 0    | 21.8      |
|          |        | 1             | 0         | 19.1               | 19.2     | 19.1     | 0    | 20.0      | 20.6               | 20.6     | 20.6     | 0    | 21.8      |
|          | 64QAM  | 1             | 37        | 19.3               | 19.2     | 19.2     | 0    | 20.0      | 20.7               | 20.7     | 20.6     | 0    | 21.8      |
|          |        | 1             | 74        | 19.1               | 19.4     | 18.9     | 0    | 20.0      | 20.5               | 20.7     | 20.5     | 0    | 21.8      |
|          |        | 36            | 0         | 18.9               | 18.8     | 18.9     | 0    | 20.0      | 20.4               | 20.3     | 20.4     | 0    | 21.8      |
|          |        | 36            | 20        | 18.9               | 18.8     | 18.9     | 0    | 20.0      | 20.4               | 20.4     | 20.2     | 0    | 21.8      |
|          |        | 36            | 39        | 18.8               | 18.9     | 18.7     | 0    | 20.0      | 20.3               | 20.4     | 20.1     | 0    | 21.8      |
|          |        | 75            | 0         | 18.9               | 18.8     | 18.9     | 0    | 20.0      | 20.4               | 20.4     | 20.2     | 0    | 21.8      |
|          | 256QAM | 1             | 0         | 18.9               | 18.9     | 18.9     | 0    | 20.0      | 20.8               | 20.7     | 20.9     | 0    | 21.8      |
|          |        | 1             | 37        | 18.9               | 18.8     | 18.9     | 0    | 20.0      | 20.8               | 20.6     | 20.7     | 0    | 21.8      |
|          |        | 1             | 74        | 18.7               | 19.0     | 18.7     | 0    | 20.0      | 20.7               | 20.8     | 20.7     | 0    | 21.8      |
|          |        | 36            | 0         | 18.7               | 18.7     | 18.8     | 0    | 20.0      | 20.5               | 20.6     | 20.7     | 0.6  | 21.2      |
|          |        | 36            | 20        | 18.7               | 18.7     | 18.8     | 0    | 20.0      | 20.6               | 20.6     | 20.6     | 0.6  | 21.2      |
|          |        | 36            | 39        | 18.8               | 18.8     | 18.5     | 0    | 20.0      | 20.6               | 20.6     | 20.3     | 0.6  | 21.2      |
| 256QAM   | 75     | 0             | 18.7      | 18.7               | 18.8     | 0        | 20.0 | 20.6      | 20.6               | 20.6     | 0.6      | 21.2 |           |
|          | 1      | 0             | 18.4      | 18.3               | 18.3     | 0.8      | 19.2 | 18.4      | 18.2               | 18.4     | 2.6      | 19.2 |           |
|          | 1      | 37            | 18.4      | 18.4               | 18.2     | 0.8      | 19.2 | 18.5      | 18.3               | 18.3     | 2.6      | 19.2 |           |
|          | 1      | 74            | 18.2      | 18.4               | 18.1     | 0.8      | 19.2 | 18.2      | 18.4               | 18.1     | 2.6      | 19.2 |           |
|          | 36     | 0             | 18.7      | 18.7               | 18.8     | 0.8      | 19.2 | 18.7      | 18.7               | 18.7     | 2.6      | 19.2 |           |
|          | 36     | 20            | 18.7      | 18.7               | 18.7     | 0.8      | 19.2 | 18.7      | 18.7               | 18.7     | 2.6      | 19.2 |           |
| 256QAM   | 36     | 39            | 18.7      | 18.7               | 18.5     | 0.8      | 19.2 | 18.7      | 18.7               | 18.4     | 2.6      | 19.2 |           |
|          | 75     | 0             | 18.7      | 18.7               | 18.7     | 0.8      | 19.2 | 18.7      | 18.7               | 18.7     | 2.6      | 19.2 |           |



**LTE Band 66 Measured Results (ANT4, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |            |      |           | Mode B Power (dBm) |          |            |      |           |
|----------|--------|---------------|-----------|--------------------|----------|------------|------|-----------|--------------------|----------|------------|------|-----------|
|          |        |               |           | 132022             | 132322   | 132622     | MPR  | Max Power | 132022             | 132322   | 132622     | MPR  | Max Power |
|          |        |               |           | 1715 MHz           | 1745 MHz | 1775 MHz   |      |           | 1715 MHz           | 1745 MHz | 1775 MHz   |      |           |
| 10       | QPSK   | 1             | 0         | 18.8               | 18.9     | 19.0       | 0    | 20.0      | 20.5               | 20.5     | 20.5       | 0    | 21.8      |
|          |        | 1             | 25        | 19.0               | 18.9     | 18.8       | 0    | 20.0      | 20.6               | 20.5     | 20.2       | 0    | 21.8      |
|          |        | 1             | 49        | 18.8               | 18.9     | 18.7       | 0    | 20.0      | 20.5               | 20.6     | 20.2       | 0    | 21.8      |
|          |        | 25            | 0         | 18.9               | 18.9     | 18.9       | 0    | 20.0      | 20.5               | 20.5     | 20.4       | 0    | 21.8      |
|          |        | 25            | 12        | 19.0               | 18.9     | 18.8       | 0    | 20.0      | 20.5               | 20.5     | 20.2       | 0    | 21.8      |
|          |        | 25            | 25        | 19.0               | 18.9     | 18.7       | 0    | 20.0      | 20.5               | 20.5     | 20.2       | 0    | 21.8      |
|          |        | 50            | 0         | 19.1               | 19.0     | 18.8       | 0    | 20.0      | 20.6               | 20.6     | 20.3       | 0    | 21.8      |
|          | 16QAM  | 1             | 0         | 19.1               | 19.1     | 19.3       | 0    | 20.0      | 20.7               | 20.7     | 20.7       | 0    | 21.8      |
|          |        | 1             | 25        | 19.3               | 19.2     | 19.0       | 0    | 20.0      | 20.8               | 20.8     | 20.6       | 0    | 21.8      |
|          |        | 1             | 49        | 19.2               | 19.2     | 19.0       | 0    | 20.0      | 20.6               | 20.9     | 20.6       | 0    | 21.8      |
|          |        | 25            | 0         | 18.8               | 18.9     | 18.9       | 0    | 20.0      | 20.4               | 20.5     | 20.3       | 0    | 21.8      |
|          |        | 25            | 12        | 18.9               | 18.9     | 18.7       | 0    | 20.0      | 20.5               | 20.5     | 20.2       | 0    | 21.8      |
|          |        | 25            | 25        | 18.9               | 18.9     | 18.7       | 0    | 20.0      | 20.5               | 20.5     | 20.1       | 0    | 21.8      |
|          |        | 50            | 0         | 19.0               | 18.9     | 18.7       | 0    | 20.0      | 20.5               | 20.5     | 20.2       | 0    | 21.8      |
|          | 64QAM  | 1             | 0         | 19.0               | 18.9     | 19.0       | 0    | 20.0      | 20.8               | 20.9     | 20.9       | 0    | 21.8      |
|          |        | 1             | 25        | 19.0               | 18.9     | 18.7       | 0    | 20.0      | 21.0               | 20.9     | 20.6       | 0    | 21.8      |
|          |        | 1             | 49        | 19.0               | 19.0     | 18.7       | 0    | 20.0      | 20.9               | 20.9     | 20.8       | 0    | 21.8      |
|          |        | 25            | 0         | 18.7               | 18.7     | 18.7       | 0    | 20.0      | 20.6               | 20.6     | 20.7       | 0.6  | 21.2      |
|          |        | 25            | 12        | 18.7               | 18.7     | 18.6       | 0    | 20.0      | 20.7               | 20.6     | 20.6       | 0.6  | 21.2      |
|          |        | 25            | 25        | 18.7               | 18.8     | 18.5       | 0    | 20.0      | 20.7               | 20.6     | 20.5       | 0.6  | 21.2      |
|          |        | 50            | 0         | 18.8               | 18.8     | 18.6       | 0    | 20.0      | 20.7               | 20.7     | 20.5       | 0.6  | 21.2      |
|          | 256QAM | 1             | 0         | 18.5               | 18.4     | 18.6       | 0.8  | 19.2      | 18.4               | 18.4     | 18.5       | 2.6  | 19.2      |
|          |        | 1             | 25        | 18.5               | 18.5     | 18.2       | 0.8  | 19.2      | 18.5               | 18.4     | 18.1       | 2.6  | 19.2      |
|          |        | 1             | 49        | 18.6               | 18.6     | 18.3       | 0.8  | 19.2      | 18.6               | 18.5     | 18.2       | 2.6  | 19.2      |
|          |        | 25            | 0         | 18.7               | 18.7     | 18.8       | 0.8  | 19.2      | 18.8               | 18.8     | 18.7       | 2.6  | 19.2      |
| 25       |        | 12            | 18.7      | 18.8               | 18.6     | 0.8        | 19.2 | 18.8      | 18.7               | 18.5     | 2.6        | 19.2 |           |
| 25       |        | 25            | 18.8      | 18.7               | 18.6     | 0.8        | 19.2 | 18.8      | 18.8               | 18.5     | 2.6        | 19.2 |           |
| 50       |        | 0             | 18.8      | 18.8               | 18.6     | 0.8        | 19.2 | 18.8      | 18.8               | 18.6     | 2.6        | 19.2 |           |
| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |            |      |           | Mode B Power (dBm) |          |            |      |           |
|          |        |               |           | 131997             | 132322   | 132647     | MPR  | Max Power | 131997             | 132322   | 132647     | MPR  | Max Power |
|          |        |               |           | 1712.5 MHz         | 1745 MHz | 1777.5 MHz |      |           | 1712.5 MHz         | 1745 MHz | 1777.5 MHz |      |           |
| 5        | QPSK   | 1             | 0         | 18.8               | 18.9     | 18.7       | 0    | 20.0      | 20.5               | 20.6     | 20.2       | 0    | 21.8      |
|          |        | 1             | 12        | 18.9               | 18.9     | 18.7       | 0    | 20.0      | 20.5               | 20.5     | 20.2       | 0    | 21.8      |
|          |        | 1             | 24        | 18.9               | 18.9     | 18.8       | 0    | 20.0      | 20.5               | 20.6     | 20.3       | 0    | 21.8      |
|          |        | 12            | 0         | 18.8               | 18.9     | 18.7       | 0    | 20.0      | 20.5               | 20.5     | 20.1       | 0    | 21.8      |
|          |        | 12            | 7         | 18.8               | 18.9     | 18.7       | 0    | 20.0      | 20.4               | 20.5     | 20.2       | 0    | 21.8      |
|          |        | 12            | 13        | 18.8               | 18.9     | 18.7       | 0    | 20.0      | 20.4               | 20.5     | 20.2       | 0    | 21.8      |
|          |        | 25            | 0         | 18.9               | 18.9     | 18.7       | 0    | 20.0      | 20.5               | 20.5     | 20.2       | 0    | 21.8      |
|          | 16QAM  | 1             | 0         | 19.2               | 19.2     | 19.0       | 0    | 20.0      | 20.9               | 20.8     | 20.6       | 0    | 21.8      |
|          |        | 1             | 12        | 19.3               | 19.2     | 19.1       | 0    | 20.0      | 20.9               | 20.8     | 20.6       | 0    | 21.8      |
|          |        | 1             | 24        | 19.3               | 19.2     | 19.1       | 0    | 20.0      | 20.9               | 20.8     | 20.7       | 0    | 21.8      |
|          |        | 12            | 0         | 18.8               | 18.9     | 18.6       | 0    | 20.0      | 20.4               | 20.5     | 20.2       | 0    | 21.8      |
|          |        | 12            | 7         | 18.8               | 18.9     | 18.7       | 0    | 20.0      | 20.4               | 20.5     | 20.2       | 0    | 21.8      |
|          |        | 12            | 13        | 18.8               | 18.9     | 18.7       | 0    | 20.0      | 20.4               | 20.5     | 20.2       | 0    | 21.8      |
|          |        | 25            | 0         | 18.8               | 18.9     | 18.7       | 0    | 20.0      | 20.4               | 20.5     | 20.1       | 0    | 21.8      |
|          | 64QAM  | 1             | 0         | 19.0               | 18.9     | 18.6       | 0    | 20.0      | 20.7               | 20.9     | 20.6       | 0    | 21.8      |
|          |        | 1             | 12        | 18.9               | 18.9     | 18.7       | 0    | 20.0      | 20.8               | 20.9     | 20.5       | 0    | 21.8      |
|          |        | 1             | 24        | 19.0               | 19.0     | 18.7       | 0    | 20.0      | 20.8               | 20.8     | 20.7       | 0    | 21.8      |
|          |        | 12            | 0         | 18.7               | 18.8     | 18.6       | 0    | 20.0      | 20.6               | 20.7     | 20.4       | 0.6  | 21.2      |
|          |        | 12            | 7         | 18.7               | 18.8     | 18.5       | 0    | 20.0      | 20.6               | 20.7     | 20.5       | 0.6  | 21.2      |
|          |        | 12            | 13        | 18.7               | 18.8     | 18.6       | 0    | 20.0      | 20.6               | 20.6     | 20.5       | 0.6  | 21.2      |
|          |        | 25            | 0         | 18.7               | 18.7     | 18.5       | 0    | 20.0      | 20.7               | 20.7     | 20.5       | 0.6  | 21.2      |
|          | 256QAM | 1             | 0         | 18.4               | 18.4     | 18.2       | 0.8  | 19.2      | 18.4               | 18.4     | 18.3       | 2.6  | 19.2      |
|          |        | 1             | 12        | 18.5               | 18.4     | 18.2       | 0.8  | 19.2      | 18.5               | 18.4     | 18.3       | 2.6  | 19.2      |
|          |        | 1             | 24        | 18.5               | 18.4     | 18.3       | 0.8  | 19.2      | 18.5               | 18.5     | 18.4       | 2.6  | 19.2      |
|          |        | 12            | 0         | 18.7               | 18.7     | 18.5       | 0.8  | 19.2      | 18.7               | 18.8     | 18.5       | 2.6  | 19.2      |
| 12       |        | 7             | 18.7      | 18.7               | 18.5     | 0.8        | 19.2 | 18.8      | 18.8               | 18.6     | 2.6        | 19.2 |           |
| 12       |        | 13            | 18.7      | 18.7               | 18.5     | 0.8        | 19.2 | 18.7      | 18.8               | 18.6     | 2.6        | 19.2 |           |
| 25       |        | 0             | 18.7      | 18.7               | 18.6     | 0.8        | 19.2 | 18.8      | 18.8               | 18.6     | 2.6        | 19.2 |           |

**LTE Band 66 Measured Results (ANT4, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |          |            |      |           | Mode B Power (dBm) |          |            |      |           |
|----------|--------|---------------|-----------|--------------------|----------|------------|------|-----------|--------------------|----------|------------|------|-----------|
|          |        |               |           | 131987             | 132322   | 132657     | MPR  | Max Power | 131987             | 132322   | 132657     | MPR  | Max Power |
|          |        |               |           | 1711.5 MHz         | 1745 MHz | 1778.5 MHz |      |           | 1711.5 MHz         | 1745 MHz | 1778.5 MHz |      |           |
| 3        | QPSK   | 1             | 0         | 18.5               | 18.5     | 18.4       | 0    | 20.0      | 20.3               | 20.3     | 20.0       | 0    | 21.8      |
|          |        | 1             | 8         | 18.7               | 18.7     | 18.6       | 0    | 20.0      | 20.5               | 20.5     | 20.3       | 0    | 21.8      |
|          |        | 1             | 14        | 18.5               | 18.6     | 18.4       | 0    | 20.0      | 20.3               | 20.3     | 20.1       | 0    | 21.8      |
|          |        | 8             | 0         | 18.6               | 18.6     | 18.5       | 0    | 20.0      | 20.4               | 20.4     | 20.1       | 0    | 21.8      |
|          |        | 8             | 4         | 18.6               | 18.6     | 18.5       | 0    | 20.0      | 20.4               | 20.4     | 20.1       | 0    | 21.8      |
|          |        | 8             | 7         | 18.5               | 18.7     | 18.5       | 0    | 20.0      | 20.4               | 20.4     | 20.2       | 0    | 21.8      |
|          | 16QAM  | 15            | 0         | 18.5               | 18.6     | 18.5       | 0    | 20.0      | 20.4               | 20.4     | 20.2       | 0    | 21.8      |
|          |        | 1             | 0         | 18.6               | 18.7     | 18.5       | 0    | 20.0      | 20.6               | 20.7     | 20.3       | 0    | 21.8      |
|          |        | 1             | 8         | 18.8               | 18.9     | 18.7       | 0    | 20.0      | 20.7               | 20.9     | 20.5       | 0    | 21.8      |
|          |        | 1             | 14        | 18.6               | 18.7     | 18.5       | 0    | 20.0      | 20.6               | 20.7     | 20.3       | 0    | 21.8      |
|          |        | 8             | 0         | 18.5               | 18.6     | 18.5       | 0    | 20.0      | 20.3               | 20.4     | 20.1       | 0    | 21.8      |
|          |        | 8             | 4         | 18.6               | 18.6     | 18.5       | 0    | 20.0      | 20.4               | 20.4     | 20.1       | 0    | 21.8      |
|          | 64QAM  | 8             | 7         | 18.6               | 18.7     | 18.5       | 0    | 20.0      | 20.4               | 20.4     | 20.2       | 0    | 21.8      |
|          |        | 15            | 0         | 18.5               | 18.6     | 18.5       | 0    | 20.0      | 20.3               | 20.4     | 20.1       | 0    | 21.8      |
|          |        | 1             | 0         | 18.4               | 18.7     | 18.8       | 0    | 20.0      | 20.7               | 20.7     | 20.4       | 0    | 21.8      |
|          |        | 1             | 8         | 18.7               | 18.8     | 19.0       | 0    | 20.0      | 20.9               | 20.8     | 20.7       | 0    | 21.8      |
|          |        | 1             | 14        | 18.5               | 18.7     | 18.8       | 0    | 20.0      | 20.7               | 20.6     | 20.5       | 0    | 21.8      |
|          |        | 8             | 0         | 18.5               | 18.6     | 18.6       | 0    | 20.0      | 20.5               | 20.6     | 20.4       | 0.6  | 21.2      |
|          | 256QAM | 8             | 4         | 18.6               | 18.7     | 18.7       | 0    | 20.0      | 20.5               | 20.7     | 20.4       | 0.6  | 21.2      |
|          |        | 8             | 7         | 18.5               | 18.7     | 18.6       | 0    | 20.0      | 20.5               | 20.7     | 20.5       | 0.6  | 21.2      |
|          |        | 15            | 0         | 18.5               | 18.6     | 18.6       | 0    | 20.0      | 20.5               | 20.6     | 20.5       | 0.6  | 21.2      |
|          |        | 1             | 0         | 18.2               | 18.3     | 18.1       | 0.8  | 19.2      | 18.2               | 18.3     | 18.1       | 2.6  | 19.2      |
|          |        | 1             | 8         | 18.4               | 18.5     | 18.3       | 0.8  | 19.2      | 18.4               | 18.4     | 18.3       | 2.6  | 19.2      |
|          |        | 1             | 14        | 18.2               | 18.2     | 18.1       | 0.8  | 19.2      | 18.3               | 18.2     | 18.1       | 2.6  | 19.2      |
| 1.4      | QPSK   | 8             | 0         | 18.6               | 18.7     | 18.5       | 0.8  | 19.2      | 18.6               | 18.7     | 18.5       | 2.6  | 19.2      |
|          |        | 8             | 4         | 18.7               | 18.7     | 18.6       | 0.8  | 19.2      | 18.7               | 18.8     | 18.6       | 2.6  | 19.2      |
|          |        | 8             | 7         | 18.7               | 18.7     | 18.6       | 0.8  | 19.2      | 18.7               | 18.7     | 18.6       | 2.6  | 19.2      |
|          |        | 15            | 0         | 18.6               | 18.7     | 18.6       | 0.8  | 19.2      | 18.6               | 18.7     | 18.6       | 2.6  | 19.2      |
|          |        | 1             | 0         | 18.5               | 18.5     | 18.3       | 0    | 20.0      | 20.3               | 20.3     | 20.0       | 0    | 21.8      |
|          |        | 1             | 3         | 18.7               | 18.7     | 18.5       | 0    | 20.0      | 20.4               | 20.5     | 20.2       | 0    | 21.8      |
| 1.4      | QPSK   | 1             | 5         | 18.5               | 18.6     | 18.3       | 0    | 20.0      | 20.3               | 20.3     | 20.0       | 0    | 21.8      |
|          |        | 3             | 0         | 18.6               | 18.6     | 18.4       | 0    | 20.0      | 20.3               | 20.3     | 20.1       | 0    | 21.8      |
|          |        | 3             | 1         | 18.6               | 18.6     | 18.5       | 0    | 20.0      | 20.4               | 20.4     | 20.2       | 0    | 21.8      |
|          |        | 3             | 3         | 18.6               | 18.7     | 18.5       | 0    | 20.0      | 20.4               | 20.4     | 20.2       | 0    | 21.8      |
|          |        | 6             | 0         | 18.6               | 18.6     | 18.5       | 0    | 20.0      | 20.3               | 20.4     | 20.2       | 0    | 21.8      |
|          |        | 1             | 0         | 18.7               | 18.6     | 18.5       | 0    | 20.0      | 20.6               | 20.5     | 20.2       | 0    | 21.8      |
|          | 16QAM  | 1             | 3         | 18.9               | 18.8     | 18.7       | 0    | 20.0      | 20.9               | 20.7     | 20.4       | 0    | 21.8      |
|          |        | 1             | 5         | 18.7               | 18.7     | 18.5       | 0    | 20.0      | 20.6               | 20.5     | 20.3       | 0    | 21.8      |
|          |        | 3             | 0         | 18.7               | 18.7     | 18.5       | 0    | 20.0      | 20.5               | 20.5     | 20.2       | 0    | 21.8      |
|          |        | 3             | 1         | 18.8               | 18.7     | 18.6       | 0    | 20.0      | 20.5               | 20.6     | 20.3       | 0    | 21.8      |
|          |        | 3             | 3         | 18.7               | 18.8     | 18.6       | 0    | 20.0      | 20.5               | 20.6     | 20.3       | 0    | 21.8      |
|          |        | 6             | 0         | 18.6               | 18.6     | 18.5       | 0    | 20.0      | 20.3               | 20.4     | 20.2       | 0    | 21.8      |
| 64QAM    | 1      | 0             | 18.5      | 18.6               | 18.8     | 0          | 20.0 | 20.7      | 20.6               | 20.5     | 0          | 21.8 |           |
|          | 1      | 3             | 18.7      | 18.9               | 18.9     | 0          | 20.0 | 20.9      | 20.8               | 20.7     | 0          | 21.8 |           |
|          | 1      | 5             | 18.5      | 18.7               | 18.7     | 0          | 20.0 | 20.6      | 20.6               | 20.4     | 0          | 21.8 |           |
|          | 3      | 0             | 18.5      | 18.6               | 18.7     | 0          | 20.0 | 20.6      | 20.7               | 20.5     | 0          | 21.8 |           |
|          | 3      | 1             | 18.6      | 18.7               | 18.7     | 0          | 20.0 | 20.6      | 20.8               | 20.6     | 0          | 21.8 |           |
|          | 3      | 3             | 18.6      | 18.8               | 18.7     | 0          | 20.0 | 20.6      | 20.8               | 20.5     | 0          | 21.8 |           |
| 256QAM   | 6      | 0             | 18.4      | 18.6               | 18.6     | 0          | 20.0 | 20.5      | 20.6               | 20.5     | 0.6        | 21.2 |           |
|          | 1      | 0             | 18.1      | 18.3               | 18.0     | 0.8        | 19.2 | 18.2      | 18.2               | 18.0     | 2.6        | 19.2 |           |
|          | 1      | 3             | 18.4      | 18.4               | 18.2     | 0.8        | 19.2 | 18.4      | 18.4               | 18.3     | 2.6        | 19.2 |           |
|          | 1      | 5             | 18.2      | 18.3               | 18.0     | 0.8        | 19.2 | 18.3      | 18.1               | 18.1     | 2.6        | 19.2 |           |
|          | 3      | 0             | 18.7      | 18.7               | 18.5     | 0.8        | 19.2 | 18.7      | 18.7               | 18.6     | 2.6        | 19.2 |           |
|          | 3      | 1             | 18.8      | 18.8               | 18.6     | 0.8        | 19.2 | 18.8      | 18.8               | 18.7     | 2.6        | 19.2 |           |
| 1.4      | QPSK   | 3             | 3         | 18.8               | 18.8     | 18.6       | 0.8  | 19.2      | 18.8               | 18.8     | 18.6       | 2.6  | 19.2      |
|          |        | 6             | 0         | 18.6               | 18.7     | 18.5       | 0.8  | 19.2      | 18.6               | 18.7     | 18.6       | 2.6  | 19.2      |

**LTE Band 71 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |   |      |           | Mode B Power (dBm) |   |      |           |
|----------|--------|---------------|-----------|--------------------|---|------|-----------|--------------------|---|------|-----------|
|          |        |               |           | 133297             |   | MPR  | Max Power | 133297             |   | MPR  | Max Power |
|          |        |               |           | 680.5 MHz          |   |      |           | 680.5 MHz          |   |      |           |
| 20       | QPSK   | 1             | 0         | 24.5               |   | 0    | 25.7      | 24.5               |   | 0    | 25.7      |
|          |        | 1             | 49        | 24.8               |   | 0    | 25.7      | 24.8               |   | 0    | 25.7      |
|          |        | 1             | 99        | 24.6               |   | 0    | 25.7      | 24.6               |   | 0    | 25.7      |
|          |        | 50            | 0         | 24.0               |   | 1    | 24.7      | 24.0               |   | 1    | 24.7      |
|          |        | 50            | 24        | 24.1               |   | 1    | 24.7      | 24.1               |   | 1    | 24.7      |
|          |        | 50            | 50        | 24.1               |   | 1    | 24.7      | 24.1               |   | 1    | 24.7      |
|          | 16QAM  | 100           | 0         | 24.1               |   | 1    | 24.7      | 24.1               |   | 1    | 24.7      |
|          |        | 1             | 0         | 24.0               |   | 1    | 24.7      | 24.0               |   | 1    | 24.7      |
|          |        | 1             | 49        | 24.2               |   | 1    | 24.7      | 24.2               |   | 1    | 24.7      |
|          |        | 1             | 99        | 23.8               |   | 1    | 24.7      | 23.8               |   | 1    | 24.7      |
|          |        | 50            | 0         | 23.2               |   | 2    | 23.7      | 23.2               |   | 2    | 23.7      |
|          |        | 50            | 24        | 23.2               |   | 2    | 23.7      | 23.2               |   | 2    | 23.7      |
|          | 64QAM  | 50            | 50        | 23.2               |   | 2    | 23.7      | 23.2               |   | 2    | 23.7      |
|          |        | 100           | 0         | 23.2               |   | 2    | 23.7      | 23.2               |   | 2    | 23.7      |
|          |        | 1             | 0         | 22.8               |   | 2    | 23.7      | 22.8               |   | 2    | 23.7      |
|          |        | 1             | 49        | 23.0               |   | 2    | 23.7      | 23.0               |   | 2    | 23.7      |
|          |        | 1             | 99        | 22.7               |   | 2    | 23.7      | 22.7               |   | 2    | 23.7      |
|          |        | 50            | 0         | 22.3               |   | 3    | 22.7      | 22.3               |   | 3    | 22.7      |
|          | 256QAM | 50            | 24        | 22.2               |   | 3    | 22.7      | 22.2               |   | 3    | 22.7      |
|          |        | 50            | 50        | 22.2               |   | 3    | 22.7      | 22.2               |   | 3    | 22.7      |
|          |        | 100           | 0         | 22.3               |   | 3    | 22.7      | 22.3               |   | 3    | 22.7      |
|          |        | 1             | 0         | 20.0               |   | 5    | 20.7      | 20.0               |   | 5    | 20.7      |
|          |        | 1             | 49        | 19.9               |   | 5    | 20.7      | 19.9               |   | 5    | 20.7      |
|          |        | 1             | 99        | 19.7               |   | 5    | 20.7      | 19.7               |   | 5    | 20.7      |
| 15       | QPSK   | 50            | 0         | 20.3               |   | 5    | 20.7      | 20.3               |   | 5    | 20.7      |
|          |        | 50            | 24        | 20.2               |   | 5    | 20.7      | 20.2               |   | 5    | 20.7      |
|          |        | 50            | 50        | 20.2               |   | 5    | 20.7      | 20.2               |   | 5    | 20.7      |
|          |        | 100           | 0         | 20.3               |   | 5    | 20.7      | 20.3               |   | 5    | 20.7      |
|          |        | 1             | 0         | 24.8               |   | 0    | 25.7      | 24.8               |   | 0    | 25.7      |
|          |        | 1             | 37        | 24.8               |   | 0    | 25.7      | 24.8               |   | 0    | 25.7      |
|          | 16QAM  | 1             | 74        | 24.8               |   | 0    | 25.7      | 24.8               |   | 0    | 25.7      |
|          |        | 36            | 0         | 24.3               |   | 1    | 24.7      | 24.3               |   | 1    | 24.7      |
|          |        | 36            | 20        | 24.3               |   | 1    | 24.7      | 24.3               |   | 1    | 24.7      |
|          |        | 36            | 39        | 24.3               |   | 1    | 24.7      | 24.3               |   | 1    | 24.7      |
|          |        | 75            | 0         | 24.3               |   | 1    | 24.7      | 24.3               |   | 1    | 24.7      |
|          |        | 1             | 0         | 24.0               |   | 1    | 24.7      | 24.0               |   | 1    | 24.7      |
| 64QAM    | 1      | 37            | 24.1      |                    | 1 | 24.7 | 24.1      |                    | 1 | 24.7 |           |
|          | 1      | 74            | 23.8      |                    | 1 | 24.7 | 23.8      |                    | 1 | 24.7 |           |
|          | 36     | 0             | 23.3      |                    | 2 | 23.7 | 23.3      |                    | 2 | 23.7 |           |
|          | 36     | 20            | 23.2      |                    | 2 | 23.7 | 23.2      |                    | 2 | 23.7 |           |
|          | 36     | 39            | 23.2      |                    | 2 | 23.7 | 23.2      |                    | 2 | 23.7 |           |
|          | 75     | 0             | 23.2      |                    | 2 | 23.7 | 23.2      |                    | 2 | 23.7 |           |
| 256QAM   | 1      | 0             | 23.1      |                    | 2 | 23.7 | 23.1      |                    | 2 | 23.7 |           |
|          | 1      | 37            | 23.1      |                    | 2 | 23.7 | 23.1      |                    | 2 | 23.7 |           |
|          | 1      | 74            | 23.0      |                    | 2 | 23.7 | 23.0      |                    | 2 | 23.7 |           |
|          | 36     | 0             | 22.3      |                    | 3 | 22.7 | 22.3      |                    | 3 | 22.7 |           |
|          | 36     | 20            | 22.3      |                    | 3 | 22.7 | 22.3      |                    | 3 | 22.7 |           |
|          | 36     | 39            | 22.2      |                    | 3 | 22.7 | 22.2      |                    | 3 | 22.7 |           |
| QPSK     | 75     | 0             | 22.3      |                    | 3 | 22.7 | 22.3      |                    | 3 | 22.7 |           |
|          | 1      | 0             | 20.0      |                    | 5 | 20.7 | 20.0      |                    | 5 | 20.7 |           |
|          | 1      | 37            | 20.0      |                    | 5 | 20.7 | 20.0      |                    | 5 | 20.7 |           |
|          | 1      | 74            | 19.8      |                    | 5 | 20.7 | 19.8      |                    | 5 | 20.7 |           |
|          | 36     | 0             | 20.2      |                    | 5 | 20.7 | 20.2      |                    | 5 | 20.7 |           |
|          | 36     | 20            | 20.3      |                    | 5 | 20.7 | 20.3      |                    | 5 | 20.7 |           |
| 16QAM    | 36     | 39            | 20.2      |                    | 5 | 20.7 | 20.2      |                    | 5 | 20.7 |           |
|          | 75     | 0             | 20.3      |                    | 5 | 20.7 | 20.3      |                    | 5 | 20.7 |           |
|          | 1      | 0             | 24.8      |                    | 0 | 25.7 | 24.8      |                    | 0 | 25.7 |           |
|          | 1      | 37            | 24.8      |                    | 0 | 25.7 | 24.8      |                    | 0 | 25.7 |           |
|          | 1      | 74            | 24.8      |                    | 0 | 25.7 | 24.8      |                    | 0 | 25.7 |           |
|          | 36     | 0             | 24.3      |                    | 1 | 24.7 | 24.3      |                    | 1 | 24.7 |           |
| 64QAM    | 36     | 20            | 24.3      |                    | 1 | 24.7 | 24.3      |                    | 1 | 24.7 |           |
|          | 36     | 39            | 24.3      |                    | 1 | 24.7 | 24.3      |                    | 1 | 24.7 |           |
|          | 75     | 0             | 24.3      |                    | 1 | 24.7 | 24.3      |                    | 1 | 24.7 |           |
|          | 1      | 0             | 24.0      |                    | 1 | 24.7 | 24.0      |                    | 1 | 24.7 |           |
|          | 1      | 37            | 24.1      |                    | 1 | 24.7 | 24.1      |                    | 1 | 24.7 |           |
|          | 1      | 74            | 23.8      |                    | 1 | 24.7 | 23.8      |                    | 1 | 24.7 |           |
| 256QAM   | 36     | 0             | 23.3      |                    | 2 | 23.7 | 23.3      |                    | 2 | 23.7 |           |
|          | 36     | 20            | 23.2      |                    | 2 | 23.7 | 23.2      |                    | 2 | 23.7 |           |
|          | 36     | 39            | 23.2      |                    | 2 | 23.7 | 23.2      |                    | 2 | 23.7 |           |
|          | 75     | 0             | 23.2      |                    | 2 | 23.7 | 23.2      |                    | 2 | 23.7 |           |
|          | 1      | 0             | 23.1      |                    | 2 | 23.7 | 23.1      |                    | 2 | 23.7 |           |
|          | 1      | 37            | 23.1      |                    | 2 | 23.7 | 23.1      |                    | 2 | 23.7 |           |
| QPSK     | 1      | 74            | 23.0      |                    | 2 | 23.7 | 23.0      |                    | 2 | 23.7 |           |
|          | 36     | 0             | 22.3      |                    | 3 | 22.7 | 22.3      |                    | 3 | 22.7 |           |
|          | 36     | 20            | 22.3      |                    | 3 | 22.7 | 22.3      |                    | 3 | 22.7 |           |
|          | 36     | 39            | 22.2      |                    | 3 | 22.7 | 22.2      |                    | 3 | 22.7 |           |
|          | 75     | 0             | 22.3      |                    | 3 | 22.7 | 22.3      |                    | 3 | 22.7 |           |
|          | 1      | 0             | 20.0      |                    | 5 | 20.7 | 20.0      |                    | 5 | 20.7 |           |
| 16QAM    | 1      | 37            | 20.0      |                    | 5 | 20.7 | 20.0      |                    | 5 | 20.7 |           |
|          | 1      | 74            | 19.8      |                    | 5 | 20.7 | 19.8      |                    | 5 | 20.7 |           |
|          | 36     | 0             | 20.2      |                    | 5 | 20.7 | 20.2      |                    | 5 | 20.7 |           |
|          | 36     | 20            | 20.3      |                    | 5 | 20.7 | 20.3      |                    | 5 | 20.7 |           |
|          | 36     | 39            | 20.2      |                    | 5 | 20.7 | 20.2      |                    | 5 | 20.7 |           |
|          | 75     | 0             | 20.3      |                    | 5 | 20.7 | 20.3      |                    | 5 | 20.7 |           |

**LTE Band 71 Measured Results (ANT1, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |      |           |           | Mode B Power (dBm) |           |      |           |      |      |
|----------|--------|---------------|-----------|--------------------|------|-----------|-----------|--------------------|-----------|------|-----------|------|------|
|          |        |               |           | 133297             |      | MPR       | Max Power | 133297             |           | MPR  | Max Power |      |      |
|          |        |               |           | 680.5 MHz          |      |           |           | 680.5 MHz          |           |      |           |      |      |
| 10       | QPSK   | 1             | 0         | 24.9               |      | 0         | 25.7      | 24.9               |           | 0    | 25.7      |      |      |
|          |        | 1             | 25        | 25.0               |      | 0         | 25.7      | 25.0               |           | 0    | 25.7      |      |      |
|          |        | 1             | 49        | 24.9               |      | 0         | 25.7      | 24.9               |           | 0    | 25.7      |      |      |
|          |        | 25            | 0         | 24.4               |      | 1         | 24.7      | 24.4               |           | 1    | 24.7      |      |      |
|          |        | 25            | 12        | 24.4               |      | 1         | 24.7      | 24.4               |           | 1    | 24.7      |      |      |
|          |        | 25            | 25        | 24.4               |      | 1         | 24.7      | 24.4               |           | 1    | 24.7      |      |      |
|          | 16QAM  | 50            | 0         | 24.4               |      | 1         | 24.7      | 24.4               |           | 1    | 24.7      |      |      |
|          |        | 1             | 0         | 24.1               |      | 1         | 24.7      | 24.1               |           | 1    | 24.7      |      |      |
|          |        | 1             | 25        | 24.1               |      | 1         | 24.7      | 24.1               |           | 1    | 24.7      |      |      |
|          |        | 1             | 49        | 24.1               |      | 1         | 24.7      | 24.1               |           | 1    | 24.7      |      |      |
|          |        | 25            | 0         | 23.4               |      | 2         | 23.7      | 23.4               |           | 2    | 23.7      |      |      |
|          |        | 25            | 12        | 23.3               |      | 2         | 23.7      | 23.3               |           | 2    | 23.7      |      |      |
|          | 64QAM  | 25            | 25        | 23.3               |      | 2         | 23.7      | 23.3               |           | 2    | 23.7      |      |      |
|          |        | 50            | 0         | 23.4               |      | 2         | 23.7      | 23.4               |           | 2    | 23.7      |      |      |
|          |        | 1             | 0         | 23.0               |      | 2         | 23.7      | 23.0               |           | 2    | 23.7      |      |      |
|          |        | 1             | 25        | 23.1               |      | 2         | 23.7      | 23.1               |           | 2    | 23.7      |      |      |
|          |        | 1             | 49        | 23.0               |      | 2         | 23.7      | 23.0               |           | 2    | 23.7      |      |      |
|          |        | 25            | 0         | 22.3               |      | 3         | 22.7      | 22.3               |           | 3    | 22.7      |      |      |
|          | 256QAM | 25            | 12        | 22.3               |      | 3         | 22.7      | 22.3               |           | 3    | 22.7      |      |      |
|          |        | 25            | 25        | 22.3               |      | 3         | 22.7      | 22.3               |           | 3    | 22.7      |      |      |
|          |        | 50            | 0         | 22.4               |      | 3         | 22.7      | 22.4               |           | 3    | 22.7      |      |      |
| 1        |        | 0             | 20.1      |                    | 5    | 20.7      | 20.1      |                    | 5         | 20.7 |           |      |      |
| 1        |        | 25            | 20.0      |                    | 5    | 20.7      | 20.0      |                    | 5         | 20.7 |           |      |      |
| 1        |        | 49            | 20.0      |                    | 5    | 20.7      | 20.0      |                    | 5         | 20.7 |           |      |      |
| 5        | QPSK   | 25            | 0         | 20.3               |      | 5         | 20.7      | 20.3               |           | 5    | 20.7      |      |      |
|          |        | 25            | 12        | 20.3               |      | 5         | 20.7      | 20.3               |           | 5    | 20.7      |      |      |
|          |        | 25            | 25        | 20.2               |      | 5         | 20.7      | 20.2               |           | 5    | 20.7      |      |      |
|          |        | 50            | 0         | 20.4               |      | 5         | 20.7      | 20.4               |           | 5    | 20.7      |      |      |
|          |        | 133147        | 133297    | 133447             | MPR  | Max Power | 133147    | 133297             | 133447    | MPR  | Max Power |      |      |
|          |        | 665.5 MHz     | 680.5 MHz | 695.5 MHz          |      |           | 665.5 MHz | 680.5 MHz          | 695.5 MHz |      |           |      |      |
|          | QPSK   | 1             | 0         | 24.9               | 24.9 | 24.7      | 0         | 25.7               | 24.9      | 24.9 | 24.7      | 0    | 25.7 |
|          |        | 1             | 12        | 25.0               | 24.8 | 24.9      | 0         | 25.7               | 25.0      | 24.8 | 24.9      | 0    | 25.7 |
|          |        | 1             | 24        | 25.0               | 24.9 | 24.8      | 0         | 25.7               | 25.0      | 24.9 | 24.8      | 0    | 25.7 |
|          |        | 12            | 0         | 24.5               | 24.3 | 24.3      | 1         | 24.7               | 24.5      | 24.3 | 24.3      | 1    | 24.7 |
|          |        | 12            | 7         | 24.5               | 24.3 | 24.3      | 1         | 24.7               | 24.5      | 24.3 | 24.3      | 1    | 24.7 |
|          |        | 12            | 13        | 24.5               | 24.3 | 24.4      | 1         | 24.7               | 24.5      | 24.3 | 24.4      | 1    | 24.7 |
|          | 16QAM  | 25            | 0         | 24.6               | 24.3 | 24.3      | 1         | 24.7               | 24.6      | 24.3 | 24.3      | 1    | 24.7 |
|          |        | 1             | 0         | 24.3               | 24.1 | 24.0      | 1         | 24.7               | 24.3      | 24.1 | 24.0      | 1    | 24.7 |
|          |        | 1             | 12        | 24.4               | 24.2 | 24.1      | 1         | 24.7               | 24.4      | 24.2 | 24.1      | 1    | 24.7 |
|          |        | 1             | 24        | 24.4               | 24.2 | 24.1      | 1         | 24.7               | 24.4      | 24.2 | 24.1      | 1    | 24.7 |
|          |        | 12            | 0         | 23.4               | 23.3 | 23.3      | 2         | 23.7               | 23.4      | 23.3 | 23.3      | 2    | 23.7 |
|          |        | 12            | 7         | 23.4               | 23.3 | 23.3      | 2         | 23.7               | 23.4      | 23.3 | 23.3      | 2    | 23.7 |
|          | 64QAM  | 12            | 13        | 23.4               | 23.3 | 23.4      | 2         | 23.7               | 23.4      | 23.3 | 23.4      | 2    | 23.7 |
|          |        | 25            | 0         | 23.4               | 23.3 | 23.3      | 2         | 23.7               | 23.4      | 23.3 | 23.3      | 2    | 23.7 |
|          |        | 1             | 0         | 23.1               | 23.0 | 22.9      | 2         | 23.7               | 23.1      | 23.0 | 22.9      | 2    | 23.7 |
| 1        |        | 12            | 23.2      | 23.1               | 23.0 | 2         | 23.7      | 23.2               | 23.1      | 23.0 | 2         | 23.7 |      |
| 1        |        | 24            | 23.2      | 23.0               | 23.0 | 2         | 23.7      | 23.2               | 23.0      | 23.0 | 2         | 23.7 |      |
| 12       |        | 0             | 22.4      | 22.3               | 22.2 | 3         | 22.7      | 22.4               | 22.3      | 22.2 | 3         | 22.7 |      |
| 256QAM   | 12     | 7             | 22.5      | 22.3               | 22.3 | 3         | 22.7      | 22.5               | 22.3      | 22.3 | 3         | 22.7 |      |
|          | 12     | 13            | 22.4      | 22.3               | 22.3 | 3         | 22.7      | 22.4               | 22.3      | 22.3 | 3         | 22.7 |      |
|          | 25     | 0             | 22.4      | 22.3               | 22.3 | 3         | 22.7      | 22.4               | 22.3      | 22.3 | 3         | 22.7 |      |
|          | 1      | 0             | 20.1      | 20.0               | 19.9 | 5         | 20.7      | 20.1               | 20.0      | 19.9 | 5         | 20.7 |      |
|          | 1      | 12            | 20.0      | 20.0               | 20.0 | 5         | 20.7      | 20.0               | 20.0      | 20.0 | 5         | 20.7 |      |
|          | 1      | 24            | 20.1      | 19.9               | 20.0 | 5         | 20.7      | 20.1               | 19.9      | 20.0 | 5         | 20.7 |      |
| 256QAM   | 12     | 0             | 20.3      | 20.3               | 20.2 | 5         | 20.7      | 20.3               | 20.3      | 20.2 | 5         | 20.7 |      |
|          | 12     | 7             | 20.4      | 20.2               | 20.3 | 5         | 20.7      | 20.4               | 20.2      | 20.3 | 5         | 20.7 |      |
|          | 12     | 13            | 20.4      | 20.2               | 20.3 | 5         | 20.7      | 20.4               | 20.2      | 20.3 | 5         | 20.7 |      |
|          | 25     | 0             | 20.4      | 20.3               | 20.3 | 5         | 20.7      | 20.4               | 20.3      | 20.3 | 5         | 20.7 |      |

**LTE Band 71 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |   |      |           | Mode B Power (dBm) |   |      |           |
|----------|--------|---------------|-----------|--------------------|---|------|-----------|--------------------|---|------|-----------|
|          |        |               |           | 133297             |   | MPR  | Max Power | 133297             |   | MPR  | Max Power |
|          |        |               |           | 680.5 MHz          |   |      |           | 680.5 MHz          |   |      |           |
| 20       | QPSK   | 1             | 0         | 23.7               |   | 0    | 24.7      | 23.7               |   | 0    | 24.7      |
|          |        | 1             | 49        | 23.9               |   | 0    | 24.7      | 23.9               |   | 0    | 24.7      |
|          |        | 1             | 99        | 23.6               |   | 0    | 24.7      | 23.6               |   | 0    | 24.7      |
|          |        | 50            | 0         | 23.1               |   | 1    | 23.7      | 23.1               |   | 1    | 23.7      |
|          |        | 50            | 24        | 23.2               |   | 1    | 23.7      | 23.2               |   | 1    | 23.7      |
|          |        | 50            | 50        | 23.1               |   | 1    | 23.7      | 23.1               |   | 1    | 23.7      |
|          |        | 100           | 0         | 23.3               |   | 1    | 23.7      | 23.3               |   | 1    | 23.7      |
|          | 16QAM  | 1             | 0         | 22.4               |   | 1    | 23.7      | 22.4               |   | 1    | 23.7      |
|          |        | 1             | 49        | 22.5               |   | 1    | 23.7      | 22.5               |   | 1    | 23.7      |
|          |        | 1             | 99        | 22.2               |   | 1    | 23.7      | 22.2               |   | 1    | 23.7      |
|          |        | 50            | 0         | 21.6               |   | 2    | 22.7      | 21.6               |   | 2    | 22.7      |
|          |        | 50            | 24        | 21.8               |   | 2    | 22.7      | 21.8               |   | 2    | 22.7      |
|          |        | 50            | 50        | 21.7               |   | 2    | 22.7      | 21.7               |   | 2    | 22.7      |
|          |        | 100           | 0         | 21.8               |   | 2    | 22.7      | 21.8               |   | 2    | 22.7      |
|          | 64QAM  | 1             | 0         | 21.2               |   | 2    | 22.7      | 21.2               |   | 2    | 22.7      |
|          |        | 1             | 49        | 21.4               |   | 2    | 22.7      | 21.4               |   | 2    | 22.7      |
|          |        | 1             | 99        | 21.2               |   | 2    | 22.7      | 21.2               |   | 2    | 22.7      |
|          |        | 50            | 0         | 20.7               |   | 3    | 21.7      | 20.7               |   | 3    | 21.7      |
|          |        | 50            | 24        | 20.8               |   | 3    | 21.7      | 20.8               |   | 3    | 21.7      |
|          |        | 50            | 50        | 20.6               |   | 3    | 21.7      | 20.6               |   | 3    | 21.7      |
|          |        | 100           | 0         | 20.7               |   | 3    | 21.7      | 20.7               |   | 3    | 21.7      |
|          | 256QAM | 1             | 0         | 18.3               |   | 5    | 19.7      | 18.3               |   | 5    | 19.7      |
|          |        | 1             | 49        | 18.4               |   | 5    | 19.7      | 18.4               |   | 5    | 19.7      |
|          |        | 1             | 99        | 18.1               |   | 5    | 19.7      | 18.1               |   | 5    | 19.7      |
| 50       |        | 0             | 18.7      |                    | 5 | 19.7 | 18.7      |                    | 5 | 19.7 |           |
| 50       |        | 24            | 18.7      |                    | 5 | 19.7 | 18.7      |                    | 5 | 19.7 |           |
| 50       |        | 50            | 18.6      |                    | 5 | 19.7 | 18.6      |                    | 5 | 19.7 |           |
| 100      |        | 0             | 18.8      |                    | 5 | 19.7 | 18.8      |                    | 5 | 19.7 |           |
| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |   |      |           | Mode B Power (dBm) |   |      |           |
|          |        |               |           | 133297             |   | MPR  | Max Power | 133297             |   | MPR  | Max Power |
|          |        |               |           | 680.5 MHz          |   |      |           | 680.5 MHz          |   |      |           |
| 15       | QPSK   | 1             | 0         | 23.1               |   | 0    | 24.7      | 23.1               |   | 0    | 24.7      |
|          |        | 1             | 37        | 23.3               |   | 0    | 24.7      | 23.3               |   | 0    | 24.7      |
|          |        | 1             | 74        | 23.2               |   | 0    | 24.7      | 23.2               |   | 0    | 24.7      |
|          |        | 36            | 0         | 22.7               |   | 1    | 23.7      | 22.7               |   | 1    | 23.7      |
|          |        | 36            | 20        | 22.8               |   | 1    | 23.7      | 22.8               |   | 1    | 23.7      |
|          |        | 36            | 39        | 22.7               |   | 1    | 23.7      | 22.7               |   | 1    | 23.7      |
|          |        | 75            | 0         | 22.8               |   | 1    | 23.7      | 22.8               |   | 1    | 23.7      |
|          | 16QAM  | 1             | 0         | 22.2               |   | 1    | 23.7      | 22.2               |   | 1    | 23.7      |
|          |        | 1             | 37        | 22.5               |   | 1    | 23.7      | 22.5               |   | 1    | 23.7      |
|          |        | 1             | 74        | 22.4               |   | 1    | 23.7      | 22.4               |   | 1    | 23.7      |
|          |        | 36            | 0         | 21.7               |   | 2    | 22.7      | 21.7               |   | 2    | 22.7      |
|          |        | 36            | 20        | 21.8               |   | 2    | 22.7      | 21.8               |   | 2    | 22.7      |
|          |        | 36            | 39        | 21.7               |   | 2    | 22.7      | 21.7               |   | 2    | 22.7      |
|          |        | 75            | 0         | 21.8               |   | 2    | 22.7      | 21.8               |   | 2    | 22.7      |
|          | 64QAM  | 1             | 0         | 21.4               |   | 2    | 22.7      | 21.4               |   | 2    | 22.7      |
|          |        | 1             | 37        | 21.5               |   | 2    | 22.7      | 21.5               |   | 2    | 22.7      |
|          |        | 1             | 74        | 21.3               |   | 2    | 22.7      | 21.3               |   | 2    | 22.7      |
|          |        | 36            | 0         | 20.7               |   | 3    | 21.7      | 20.7               |   | 3    | 21.7      |
|          |        | 36            | 20        | 20.8               |   | 3    | 21.7      | 20.8               |   | 3    | 21.7      |
|          |        | 36            | 39        | 20.7               |   | 3    | 21.7      | 20.7               |   | 3    | 21.7      |
|          |        | 75            | 0         | 20.8               |   | 3    | 21.7      | 20.8               |   | 3    | 21.7      |
|          | 256QAM | 1             | 0         | 18.4               |   | 5    | 19.7      | 18.4               |   | 5    | 19.7      |
|          |        | 1             | 37        | 18.4               |   | 5    | 19.7      | 18.4               |   | 5    | 19.7      |
|          |        | 1             | 74        | 18.4               |   | 5    | 19.7      | 18.4               |   | 5    | 19.7      |
| 36       |        | 0             | 18.7      |                    | 5 | 19.7 | 18.7      |                    | 5 | 19.7 |           |
| 36       |        | 20            | 18.8      |                    | 5 | 19.7 | 18.8      |                    | 5 | 19.7 |           |
| 36       |        | 39            | 18.7      |                    | 5 | 19.7 | 18.7      |                    | 5 | 19.7 |           |
| 75       |        | 0             | 18.8      |                    | 5 | 19.7 | 18.8      |                    | 5 | 19.7 |           |

**LTE Band 71 Measured Results (ANT2, Power State 1) (continued)**

| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |        |        |      |           | Mode B Power (dBm) |        |        |      |           |
|----------|--------|---------------|-----------|--------------------|--------|--------|------|-----------|--------------------|--------|--------|------|-----------|
|          |        |               |           | 133297             |        |        | MPR  | Max Power | 133297             |        |        | MPR  | Max Power |
|          |        |               |           | 680.5 MHz          |        |        |      |           | 680.5 MHz          |        |        |      |           |
| 10       | QPSK   | 1             | 0         | 23.3               |        |        | 0    | 24.7      | 23.3               |        |        | 0    | 24.7      |
|          |        | 1             | 25        | 23.4               |        |        | 0    | 24.7      | 23.4               |        |        | 0    | 24.7      |
|          |        | 1             | 49        | 23.3               |        |        | 0    | 24.7      | 23.3               |        |        | 0    | 24.7      |
|          |        | 25            | 0         | 22.8               |        |        | 1    | 23.7      | 22.8               |        |        | 1    | 23.7      |
|          |        | 25            | 12        | 22.9               |        |        | 1    | 23.7      | 22.9               |        |        | 1    | 23.7      |
|          |        | 25            | 25        | 22.9               |        |        | 1    | 23.7      | 22.9               |        |        | 1    | 23.7      |
|          |        | 50            | 0         | 22.9               |        |        | 1    | 23.7      | 22.9               |        |        | 1    | 23.7      |
|          | 16QAM  | 1             | 0         | 22.5               |        |        | 1    | 23.7      | 22.5               |        |        | 1    | 23.7      |
|          |        | 1             | 25        | 22.7               |        |        | 1    | 23.7      | 22.7               |        |        | 1    | 23.7      |
|          |        | 1             | 49        | 22.6               |        |        | 1    | 23.7      | 22.6               |        |        | 1    | 23.7      |
|          |        | 25            | 0         | 21.8               |        |        | 2    | 22.7      | 21.8               |        |        | 2    | 22.7      |
|          |        | 25            | 12        | 21.8               |        |        | 2    | 22.7      | 21.8               |        |        | 2    | 22.7      |
|          |        | 25            | 25        | 21.8               |        |        | 2    | 22.7      | 21.8               |        |        | 2    | 22.7      |
|          |        | 50            | 0         | 21.8               |        |        | 2    | 22.7      | 21.8               |        |        | 2    | 22.7      |
|          | 64QAM  | 1             | 0         | 21.5               |        |        | 2    | 22.7      | 21.5               |        |        | 2    | 22.7      |
|          |        | 1             | 25        | 21.6               |        |        | 2    | 22.7      | 21.6               |        |        | 2    | 22.7      |
|          |        | 1             | 49        | 21.5               |        |        | 2    | 22.7      | 21.5               |        |        | 2    | 22.7      |
|          |        | 25            | 0         | 20.8               |        |        | 3    | 21.7      | 20.8               |        |        | 3    | 21.7      |
|          |        | 25            | 12        | 20.8               |        |        | 3    | 21.7      | 20.8               |        |        | 3    | 21.7      |
|          |        | 25            | 25        | 20.7               |        |        | 3    | 21.7      | 20.7               |        |        | 3    | 21.7      |
|          |        | 50            | 0         | 20.9               |        |        | 3    | 21.7      | 20.9               |        |        | 3    | 21.7      |
|          | 256QAM | 1             | 0         | 18.4               |        |        | 5    | 19.7      | 18.4               |        |        | 5    | 19.7      |
|          |        | 1             | 25        | 18.5               |        |        | 5    | 19.7      | 18.5               |        |        | 5    | 19.7      |
|          |        | 1             | 49        | 18.4               |        |        | 5    | 19.7      | 18.4               |        |        | 5    | 19.7      |
|          |        | 25            | 0         | 18.7               |        |        | 5    | 19.7      | 18.7               |        |        | 5    | 19.7      |
| 25       |        | 12            | 18.8      |                    |        | 5      | 19.7 | 18.8      |                    |        | 5      | 19.7 |           |
| 25       |        | 25            | 18.7      |                    |        | 5      | 19.7 | 18.7      |                    |        | 5      | 19.7 |           |
| 50       |        | 0             | 18.8      |                    |        | 5      | 19.7 | 18.8      |                    |        | 5      | 19.7 |           |
| BW (MHz) | Mode   | RB Allocation | RB Offset | Mode A Power (dBm) |        |        |      |           | Mode B Power (dBm) |        |        |      |           |
|          |        |               |           | 133147             | 133297 | 133447 | MPR  | Max Power | 133147             | 133297 | 133447 | MPR  | Max Power |
|          |        |               |           | 665.5 MHz          |        |        |      |           | 680.5 MHz          |        |        |      |           |
| 5        | QPSK   | 1             | 0         | 23.3               | 23.3   | 23.4   | 0    | 24.7      | 23.3               | 23.3   | 23.4   | 0    | 24.7      |
|          |        | 1             | 12        | 23.3               | 23.3   | 23.4   | 0    | 24.7      | 23.3               | 23.3   | 23.4   | 0    | 24.7      |
|          |        | 1             | 24        | 23.3               | 23.3   | 23.3   | 0    | 24.7      | 23.3               | 23.3   | 23.3   | 0    | 24.7      |
|          |        | 12            | 0         | 22.8               | 22.8   | 22.8   | 1    | 23.7      | 22.8               | 22.8   | 22.8   | 1    | 23.7      |
|          |        | 12            | 7         | 22.7               | 22.8   | 22.8   | 1    | 23.7      | 22.7               | 22.8   | 22.8   | 1    | 23.7      |
|          |        | 12            | 13        | 22.7               | 22.8   | 22.8   | 1    | 23.7      | 22.7               | 22.8   | 22.8   | 1    | 23.7      |
|          |        | 25            | 0         | 22.8               | 22.9   | 22.9   | 1    | 23.7      | 22.8               | 22.9   | 22.9   | 1    | 23.7      |
|          | 16QAM  | 1             | 0         | 22.6               | 22.8   | 22.8   | 1    | 23.7      | 22.6               | 22.8   | 22.8   | 1    | 23.7      |
|          |        | 1             | 12        | 22.5               | 22.8   | 22.7   | 1    | 23.7      | 22.5               | 22.8   | 22.7   | 1    | 23.7      |
|          |        | 1             | 24        | 22.5               | 22.8   | 22.6   | 1    | 23.7      | 22.5               | 22.8   | 22.6   | 1    | 23.7      |
|          |        | 12            | 0         | 21.7               | 21.7   | 21.9   | 2    | 22.7      | 21.7               | 21.7   | 21.9   | 2    | 22.7      |
|          |        | 12            | 7         | 21.7               | 21.8   | 21.8   | 2    | 22.7      | 21.7               | 21.8   | 21.8   | 2    | 22.7      |
|          |        | 12            | 13        | 21.7               | 21.8   | 21.8   | 2    | 22.7      | 21.7               | 21.8   | 21.8   | 2    | 22.7      |
|          |        | 25            | 0         | 21.7               | 21.8   | 21.8   | 2    | 22.7      | 21.7               | 21.8   | 21.8   | 2    | 22.7      |
|          | 64QAM  | 1             | 0         | 21.5               | 21.6   | 21.6   | 2    | 22.7      | 21.5               | 21.6   | 21.6   | 2    | 22.7      |
|          |        | 1             | 12        | 21.4               | 21.5   | 21.6   | 2    | 22.7      | 21.4               | 21.5   | 21.6   | 2    | 22.7      |
|          |        | 1             | 24        | 21.4               | 21.5   | 21.5   | 2    | 22.7      | 21.4               | 21.5   | 21.5   | 2    | 22.7      |
|          |        | 12            | 0         | 20.7               | 20.8   | 20.9   | 3    | 21.7      | 20.7               | 20.8   | 20.9   | 3    | 21.7      |
|          |        | 12            | 7         | 20.7               | 20.8   | 20.8   | 3    | 21.7      | 20.7               | 20.8   | 20.8   | 3    | 21.7      |
|          |        | 12            | 13        | 20.7               | 20.8   | 20.8   | 3    | 21.7      | 20.7               | 20.8   | 20.8   | 3    | 21.7      |
|          |        | 25            | 0         | 20.7               | 20.8   | 20.9   | 3    | 21.7      | 20.7               | 20.8   | 20.9   | 3    | 21.7      |
|          | 256QAM | 1             | 0         | 18.4               | 18.5   | 18.6   | 5    | 19.7      | 18.4               | 18.5   | 18.6   | 5    | 19.7      |
|          |        | 1             | 12        | 18.4               | 18.4   | 18.5   | 5    | 19.7      | 18.4               | 18.4   | 18.5   | 5    | 19.7      |
|          |        | 1             | 24        | 18.4               | 18.4   | 18.4   | 5    | 19.7      | 18.4               | 18.4   | 18.4   | 5    | 19.7      |
|          |        | 12            | 0         | 18.7               | 18.7   | 18.8   | 5    | 19.7      | 18.7               | 18.7   | 18.8   | 5    | 19.7      |
| 12       |        | 7             | 18.7      | 18.8               | 18.8   | 5      | 19.7 | 18.7      | 18.8               | 18.8   | 5      | 19.7 |           |
| 12       |        | 13            | 18.7      | 18.7               | 18.8   | 5      | 19.7 | 18.7      | 18.7               | 18.8   | 5      | 19.7 |           |
| 25       |        | 0             | 18.7      | 18.8               | 18.8   | 5      | 19.7 | 18.7      | 18.8               | 18.8   | 5      | 19.7 |           |

## 9.4. LTE Up-Link Carrier Aggregation

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

For inter-band carrier aggregation with uplink assigned to one E-UTRA band (Table 5.6A-1), the requirements in subclause 6.2.3 apply.

For inter-band carrier aggregation with one component carrier per operating band and the uplink active in two E-UTRA bands, the requirements in subclause 6.2.3 apply for each uplink component carrier.

For intra-band contiguous carrier aggregation the allowed Maximum Power Reduction (MPR) for the maximum output power applicable to the DUT in table below. In case the modulation format is different on different component carriers then the MPR is determined by the rules applied to higher order of those modulations.

| Modulation | CA bandwidth Class B and C / Smallest Component Carrier Transmission Bandwidth Configuration |   |   |   | MPR (dB) |
|------------|--|---|---|---|----------|
|            | 25 RB  | 50 RB   | 75 RB   | 100 RB  |          |
| QPSK       | > 8 and ≤ 25   | > 12 and ≤ 50   | > 16 and ≤ 75   | > 18 and ≤ 100  | ≤ 1      |
| QPSK       | > 25   | > 50  | > 75  | > 100   | ≤ 2      |
| 16 QAM     | ≤ 8  | ≤ 12  | ≤ 16  | ≤ 18  | ≤ 1      |
| 16 QAM     | > 8 and ≤ 25   | > 12 and ≤ 50   | > 16 and ≤ 75   | > 18 and ≤ 100  | ≤ 2      |
| 16 QAM     | > 25   | > 50  | > 75  | > 100   | ≤ 3      |
| 64 QAM     | ≤ 8 and allocation wholly contained within a single CC                                       | ≤ 12 and allocation wholly contained within a single CC | ≤ 16 and allocation wholly contained within a single CC | ≤ 18 and allocation wholly contained within a single CC | ≤ 2      |
| 64 QAM     | > 8 or allocation extends across two CC's  | > 12 or allocation extends across two CC's              | > 16 or allocation extends across two CC's              | > 18 or allocation extends across two CC's              | ≤ 3      |

For PUCCH and SRS transmissions, the allowed MPR is according to that specified for PUSCH WPKD modulation for the corresponding transmission bandwidth.

For intra-band contiguous carrier aggregation bandwidth class C with non-contiguous resource allocation, the allowed Maximum Power Reduction (MPR) for the maximum output power in Table 6.2.2A-1 is specified as follows

$$MPR = \text{CEIL} \{ \min(M_A, M_{IM5}), 0.5 \}$$

Where  $M_A$  is defined as follows

$$M_A = \begin{cases} 8.2 & ; 0 \leq A < 0.025 \\ 9.2 - 40A & ; 0.025 \leq A < 0.05 \\ 8 - 16A & ; 0.05 \leq A < 0.25 \\ 4.83 - 3.33A & ; 0.25 \leq A \leq 0.4 \end{cases}$$

$$3.83 - 0.83A \quad ; 0.4 \leq A \leq 1$$

and  $M_{IM5}$  is defined as follows

$$M_{IM5} = \begin{array}{ll} 4.5 & ; \Delta_{IM5} < 1.5 * BW_{Channel\_CA} \\ 6.0 & ; 1.5 * BW_{Channel\_CA} \leq \Delta_{IM5} < BW_{Channel\_CA}/2 + \Delta f_{ooB} \\ M_A & ; \Delta_{IM5} \geq BW_{Channel\_CA}/2 + \Delta f_{ooB} \end{array}$$

Where

$$A = N_{RB\_alloc} / N_{RB\_agg}$$

$$\Delta_{IM5} = \max(|F_{C\_agg} - (3 * F_{agg\_alloc\_low} - 2 * F_{agg\_alloc\_high})|, |F_{C\_agg} - (3 * F_{agg\_alloc\_high} - 2 * F_{agg\_alloc\_low})|)$$

CEIL $\{M_A, 0.5\}$  means rounding upwards to closest 0.5dB, i.e. MPR  $\in [3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5]$

For intra-band carrier aggregation, the MPR is evaluated per slot and given by the maximum value taken over the transmission(s) on all component carriers within the slot; the maximum MPR over the two slots is then applied for the entire subframe.

For intra-band non-contiguous carrier aggregation with one uplink carrier on the PCC, the requirements in the subclause 6.2.3 apply. For intra-band non-contiguous aggregation with two uplink carriers the MPR is defined for those E-UTRA bands where maximum possible  $W_{GAP} \leq 42.2$  MHz as follows

$$MPR = \text{CEIL}\{M_A, 0.5\}$$

Where  $M_N$  is defined as follows

$$M_N = \begin{array}{ll} -0.125N + 18.25 & ; 2 \leq N \leq 50 \\ -0.0333 N + 13.67 & ; 50 < N \leq 200 \end{array}$$

Where  $N = N_{RB\_alloc}$  is the number of allocated resource blocks.

For the UE maximum output power modified by MPR, the power limits specified in subclause 6.2.5A apply.



**LTE Intra-Band Contiguous Carrier Aggregation**

UL CA shall be tested based on the worst-case SAR configuration determined from non-CA SAR testing result. The channel BW, channel number, RB allocation, etc. would be selected to allow contiguous CA of PCC and SCC. Uplink output power for UL CA is the total power measured across the PCC and SCC.

UL CA power measurements were performed for each antennas at with QPSK modulation based on the worst-case standalone SAR.

The UL CA mode power measurements represent the total power across both carriers. Measurements were made for all supported PCC bandwidths using the channel/RB combination resulting in the highest standalone output power at the least MPR (0 dB). SCCs were set to use configurations similar to the PCC to establish conservative or worst-case equivalent SAR test conditions (highest maximum output power with MPR of 0 dB and RB allocation setting).

The standalone power measurement is the power for the PCC in the non-CA mode (i.e. single carrier power). In all cases the UL CA power is less than or equal to the standalone power, which is in accordance with the tune-up limits in table below.

According to April 2015 TCB workshop, SAR test exclusion can be applied for testing overlapping LTE bands as follows:

- a) The maximum output power, including tolerance, for the smaller band must be ≤ the larger band to qualify for the SAR test exclusion.
- b) The channel bandwidth and other operating parameters for the smaller band must be fully supported by the larger band.

According to November 2017 TCB workshop, Uplink CA SAR Test Guidance as follows:

- a) When the maximum output power for UL CA is ≤ standalone LTE mode (without CA)
  - PCC is configured according to the highest standalone SAR configuration tested.
  - SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC.
- b) When the Reported SAR for UL CA configuration, described above, is > 1.2 W/kg, UL CA SAR is also required for all required test channels (PCC based)
- c) UL CA SAR is also required for standalone SAR configurations > 1.2 W/kg when they are scaled to the UL CA power level.

**Maximum Output Power for LTE UL Carrier Aggregation**

| RF Air interface | Mode | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|------------------|------|----------------------------|--------|--------|--------|--------|--------|--------|--------|
|                  |      | ANT 1                      |        | ANT 2  |        | ANT 3  |        | ANT4   |        |
|                  |      | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| CA_5B            | QPSK | 25.7                       | 25.7   | 23.5   | 24.7   |        |        |        |        |
| CA_7C            | QPSK | 25.7                       | 21.0   | 17.8   | 18.9   | 23.1   | 21.1   | 21.5   | 21.2   |
| CA_41C (PC3)     | QPSK | 25.7                       | 23.9   | 20.3   | 21.2   | 25.7   | 23.4   | 24.4   | 24.7   |
| CA_41C (PC2)     | QPSK | 28.7                       | 23.9   | 20.3   | 21.2   | 27.3   | 23.4   | 24.4   | 24.7   |
| RF Air interface | Mode | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|                  |      | ANT7                       |        | ANT8   |        | ANT9   |        | ANT4   |        |
|                  |      | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| CA_48C           | QPSK | 24.7                       | 24.0   | 24.7   | 22.3   | 23.7   | 21.5   | 20.5   | 22.4   |

**Note(s):**

PCC RB allocation setting for UL CA has been adjusted based on the worst-case power.

**Simultaneous Maximum Output Power for LTE UL Carrier Aggregation**

| RF Air interface | Mode | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|------------------|------|----------------------------|--------|--------|--------|--------|--------|--------|--------|
|                  |      | ANT 1                      |        | ANT 2  |        | ANT 3  |        | ANT4   |        |
|                  |      | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| CA_5B            | QPSK | 25.7                       | 25.7   | 22.7   | 24.7   |        |        |        |        |
| CA_7C            | QPSK | 25.6                       | 20.2   | 17.0   | 18.1   | 22.3   | 20.3   | 20.7   | 20.4   |
| CA_41C (PC3)     | QPSK | 25.7                       | 23.1   | 19.5   | 20.4   | 25.7   | 22.6   | 23.6   | 23.9   |
| CA_41C (PC2)     | QPSK | 28.7                       | 23.1   | 19.5   | 20.4   | 27.3   | 22.6   | 23.6   | 23.9   |
| RF Air interface | Mode | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|                  |      | ANT7                       |        | ANT8   |        | ANT9   |        | ANT4   |        |
|                  |      | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| CA_48C           | QPSK | 24.7                       | 23.2   | 24.7   | 21.5   | 23.4   | 20.7   | 19.7   | 21.6   |

**Note(s):**

PCC RB allocation setting for UL CA has been adjusted based on the worst-case power.

**LTE CA 5B Measured Results**

| UL CA Combination | Antenna | Power Mode(s) | Modulation | PCC      |         |                 |    |        | SCC      |         |                 |    |        | Standalone Power           |                      | (PCC + SCC) UL CA Power    |                    |       |
|-------------------|---------|---------------|------------|----------|---------|-----------------|----|--------|----------|---------|-----------------|----|--------|----------------------------|----------------------|----------------------------|--------------------|-------|
|                   |         |               |            | BW (MHz) | Channel | Frequency (MHz) | RB | Offset | BW (MHz) | Channel | Frequency (MHz) | RB | Offset | Maximum Output Power (dBm) | UL CA Inactive (dBm) | Maximum Output Power (dBm) | UL CA Active (dBm) | Delta |
| CA_5B             | ANT 1   | Mode A        | QPSK       | 10       | 20476   | 831.6           | 1  | 49     | 10       | 20575   | 841.5           | 1  | 0      | 25.7                       | 24.6                 | 25.7                       | 24.8               | 0.2   |
| CA_5B             | ANT 1   | Mode B        | QPSK       | 10       | 20476   | 831.6           | 1  | 49     | 10       | 20575   | 841.5           | 1  | 0      | 25.7                       | 24.6                 | 25.7                       | 24.8               | 0.2   |
| CA_5B             | ANT 2   | Mode A        | QPSK       | 10       | 20476   | 831.6           | 1  | 49     | 10       | 20575   | 841.5           | 1  | 0      | 23.5                       | 22.0                 | 23.5                       | 22.1               | 0.1   |
| CA_5B             | ANT 2   | Mode B        | QPSK       | 10       | 20476   | 831.6           | 1  | 49     | 10       | 20575   | 841.5           | 1  | 0      | 24.7                       | 23.1                 | 24.7                       | 23.4               | 0.3   |

**LTE CA 7C Measured Results**

| UL CA Combination | Antenna | Power Mode(s) | Modulation | PCC      |         |                 |    |        | SCC      |         |                 |    |        | Standalone Power           |                      | (PCC + SCC) UL CA Power    |                    |       |
|-------------------|---------|---------------|------------|----------|---------|-----------------|----|--------|----------|---------|-----------------|----|--------|----------------------------|----------------------|----------------------------|--------------------|-------|
|                   |         |               |            | BW (MHz) | Channel | Frequency (MHz) | RB | Offset | BW (MHz) | Channel | Frequency (MHz) | RB | Offset | Maximum Output Power (dBm) | UL CA Inactive (dBm) | Maximum Output Power (dBm) | UL CA Active (dBm) | Delta |
| CA_7C             | ANT 1   | Mode A        | QPSK       | 20       | 20850   | 2510.0          | 1  | 99     | 20       | 21048   | 2529.8          | 1  | 0      | 25.7                       | 24.6                 | 25.7                       | 24.9               | 0.3   |
| CA_7C             | ANT 1   | Mode A        | QPSK       | 20       | 21001   | 2525.1          | 1  | 99     | 20       | 21199   | 2544.9          | 1  | 0      | 25.7                       | 24.5                 | 25.7                       | 24.7               | 0.2   |
| CA_7C             | ANT 1   | Mode A        | QPSK       | 20       | 21152   | 2540.2          | 1  | 99     | 20       | 21350   | 2560.0          | 1  | 0      | 25.7                       | 24.5                 | 25.7                       | 24.8               | 0.3   |
| CA_7C             | ANT 1   | Mode B        | QPSK       | 20       | 20850   | 2510.0          | 1  | 99     | 20       | 21048   | 2529.8          | 1  | 0      | 21.0                       | 20.5                 | 21.0                       | 20.5               | 0.0   |
| CA_7C             | ANT 1   | Mode B        | QPSK       | 20       | 21001   | 2525.1          | 1  | 99     | 20       | 21199   | 2544.9          | 1  | 0      | 21.0                       | 20.4                 | 21.0                       | 20.4               | 0.0   |
| CA_7C             | ANT 1   | Mode B        | QPSK       | 20       | 21152   | 2540.2          | 1  | 99     | 20       | 21350   | 2560.0          | 1  | 0      | 21.0                       | 20.5                 | 21.0                       | 20.4               | -0.1  |
| CA_7C             | ANT 2   | Mode A        | QPSK       | 20       | 20850   | 2510.0          | 1  | 99     | 20       | 21048   | 2529.8          | 1  | 0      | 17.8                       | 16.7                 | 17.8                       | 16.7               | 0.0   |
| CA_7C             | ANT 2   | Mode A        | QPSK       | 20       | 21001   | 2525.1          | 1  | 99     | 20       | 21199   | 2544.9          | 1  | 0      | 17.8                       | 16.6                 | 17.8                       | 16.6               | 0.0   |
| CA_7C             | ANT 2   | Mode A        | QPSK       | 20       | 21152   | 2540.2          | 1  | 99     | 20       | 21350   | 2560.0          | 1  | 0      | 17.8                       | 16.6                 | 17.8                       | 16.7               | 0.1   |
| CA_7C             | ANT 2   | Mode B        | QPSK       | 20       | 20850   | 2510.0          | 1  | 99     | 20       | 21048   | 2529.8          | 1  | 0      | 18.9                       | 17.8                 | 18.9                       | 17.8               | 0.0   |
| CA_7C             | ANT 2   | Mode B        | QPSK       | 20       | 21001   | 2525.1          | 1  | 99     | 20       | 21199   | 2544.9          | 1  | 0      | 18.9                       | 17.6                 | 18.9                       | 17.6               | 0.0   |
| CA_7C             | ANT 2   | Mode B        | QPSK       | 20       | 21152   | 2540.2          | 1  | 99     | 20       | 21350   | 2560.0          | 1  | 0      | 18.9                       | 17.6                 | 18.9                       | 17.7               | 0.1   |
| CA_7C             | ANT 3   | Mode A        | QPSK       | 20       | 20850   | 2510.0          | 1  | 99     | 20       | 21048   | 2529.8          | 1  | 0      | 23.1                       | 22.4                 | 23.1                       | 22.4               | 0.0   |
| CA_7C             | ANT 3   | Mode A        | QPSK       | 20       | 21001   | 2525.1          | 1  | 99     | 20       | 21199   | 2544.9          | 1  | 0      | 23.1                       | 22.4                 | 23.1                       | 22.4               | 0.0   |
| CA_7C             | ANT 3   | Mode A        | QPSK       | 20       | 21152   | 2540.2          | 1  | 99     | 20       | 21350   | 2560.0          | 1  | 0      | 23.1                       | 22.3                 | 23.1                       | 22.3               | 0.0   |
| CA_7C             | ANT 3   | Mode B        | QPSK       | 20       | 20850   | 2510.0          | 1  | 99     | 20       | 21048   | 2529.8          | 1  | 0      | 21.1                       | 20.4                 | 21.1                       | 20.4               | 0.0   |
| CA_7C             | ANT 3   | Mode B        | QPSK       | 20       | 21001   | 2525.1          | 1  | 99     | 20       | 21199   | 2544.9          | 1  | 0      | 21.1                       | 20.6                 | 21.1                       | 20.6               | 0.0   |
| CA_7C             | ANT 3   | Mode B        | QPSK       | 20       | 21152   | 2540.2          | 1  | 99     | 20       | 21350   | 2560.0          | 1  | 0      | 21.1                       | 20.4                 | 21.1                       | 20.4               | 0.0   |
| CA_7C             | ANT 4   | Mode A        | QPSK       | 20       | 20850   | 2510.0          | 1  | 99     | 20       | 21048   | 2529.8          | 1  | 0      | 21.5                       | 19.6                 | 21.5                       | 19.5               | -0.1  |
| CA_7C             | ANT 4   | Mode A        | QPSK       | 20       | 21001   | 2525.1          | 1  | 99     | 20       | 21199   | 2544.9          | 1  | 0      | 21.5                       | 19.7                 | 21.5                       | 19.6               | -0.1  |
| CA_7C             | ANT 4   | Mode A        | QPSK       | 20       | 21152   | 2540.2          | 1  | 99     | 20       | 21350   | 2560.0          | 1  | 0      | 21.5                       | 19.7                 | 21.5                       | 19.5               | -0.2  |
| CA_7C             | ANT 4   | Mode B        | QPSK       | 20       | 20850   | 2510.0          | 1  | 99     | 20       | 21048   | 2529.8          | 1  | 0      | 21.2                       | 19.3                 | 21.2                       | 19.4               | 0.1   |
| CA_7C             | ANT 4   | Mode B        | QPSK       | 20       | 21001   | 2525.1          | 1  | 99     | 20       | 21199   | 2544.9          | 1  | 0      | 21.2                       | 19.5                 | 21.2                       | 19.5               | 0.0   |
| CA_7C             | ANT 4   | Mode B        | QPSK       | 20       | 21152   | 2540.2          | 1  | 99     | 20       | 21350   | 2560.0          | 1  | 0      | 21.2                       | 19.4                 | 21.2                       | 19.4               | 0.0   |

**LTE CA 41C (PC3) Measured Results**

| UL CA Combination | Antenna | Power Mode(s) | Modulation | PCC      |         |                 |    |        | SCC      |         |                 |    |        | Standalone Power           |                      | (PCC + SCC) UL CA Power    |                    |       |
|-------------------|---------|---------------|------------|----------|---------|-----------------|----|--------|----------|---------|-----------------|----|--------|----------------------------|----------------------|----------------------------|--------------------|-------|
|                   |         |               |            | BW (MHz) | Channel | Frequency (MHz) | RB | Offset | BW (MHz) | Channel | Frequency (MHz) | RB | Offset | Maximum Output Power (dBm) | UL CA Inactive (dBm) | Maximum Output Power (dBm) | UL CA Active (dBm) | Delta |
| CA_41C            | ANT 1   | Mode A        | QPSK       | 20       | 39750   | 2506.0          | 1  | 99     | 20       | 39948   | 2525.8          | 1  | 0      | 25.7                       | 24.4                 | 25.7                       | 24.3               | -0.1  |
| CA_41C            | ANT 1   | Mode A        | QPSK       | 20       | 40521   | 2583.1          | 1  | 99     | 20       | 40719   | 2602.9          | 1  | 0      | 25.7                       | 24.4                 | 25.7                       | 24.3               | -0.1  |
| CA_41C            | ANT 1   | Mode A        | QPSK       | 20       | 41292   | 2660.2          | 1  | 99     | 20       | 41490   | 2680.0          | 1  | 0      | 25.7                       | 24.4                 | 25.7                       | 24.3               | -0.1  |
| CA_41C            | ANT 1   | Mode B        | QPSK       | 20       | 39750   | 2506.0          | 1  | 99     | 20       | 39948   | 2525.8          | 1  | 0      | 23.9                       | 22.4                 | 23.9                       | 22.3               | -0.1  |
| CA_41C            | ANT 1   | Mode B        | QPSK       | 20       | 40521   | 2583.1          | 1  | 99     | 20       | 40719   | 2602.9          | 1  | 0      | 23.9                       | 22.5                 | 23.9                       | 22.5               | 0.0   |
| CA_41C            | ANT 1   | Mode B        | QPSK       | 20       | 41292   | 2660.2          | 1  | 99     | 20       | 41490   | 2680.0          | 1  | 0      | 23.9                       | 22.4                 | 23.9                       | 22.4               | 0.0   |
| CA_41C            | ANT 2   | Mode A        | QPSK       | 20       | 39750   | 2506.0          | 1  | 99     | 20       | 39948   | 2525.8          | 1  | 0      | 20.3                       | 19.0                 | 20.3                       | 18.5               | -0.5  |
| CA_41C            | ANT 2   | Mode A        | QPSK       | 20       | 40521   | 2583.1          | 1  | 99     | 20       | 40719   | 2602.9          | 1  | 0      | 20.3                       | 19.1                 | 20.3                       | 18.8               | -0.3  |
| CA_41C            | ANT 2   | Mode A        | QPSK       | 20       | 41292   | 2660.2          | 1  | 99     | 20       | 41490   | 2680.0          | 1  | 0      | 20.3                       | 18.9                 | 20.3                       | 18.5               | -0.4  |
| CA_41C            | ANT 2   | Mode B        | QPSK       | 20       | 39750   | 2506.0          | 1  | 99     | 20       | 39948   | 2525.8          | 1  | 0      | 21.2                       | 19.8                 | 21.2                       | 19.5               | -0.3  |
| CA_41C            | ANT 2   | Mode B        | QPSK       | 20       | 40521   | 2583.1          | 1  | 99     | 20       | 40719   | 2602.9          | 1  | 0      | 21.2                       | 19.9                 | 21.2                       | 19.6               | -0.3  |
| CA_41C            | ANT 2   | Mode B        | QPSK       | 20       | 41292   | 2660.2          | 1  | 99     | 20       | 41490   | 2680.0          | 1  | 0      | 21.2                       | 19.8                 | 21.2                       | 19.6               | -0.2  |
| CA_41C            | ANT 3   | Mode A        | QPSK       | 20       | 39750   | 2506.0          | 1  | 99     | 20       | 39948   | 2525.8          | 1  | 0      | 25.7                       | 24.2                 | 25.7                       | 23.8               | -0.4  |
| CA_41C            | ANT 3   | Mode A        | QPSK       | 20       | 40521   | 2583.1          | 1  | 99     | 20       | 40719   | 2602.9          | 1  | 0      | 25.7                       | 24.3                 | 25.7                       | 24.0               | -0.3  |
| CA_41C            | ANT 3   | Mode A        | QPSK       | 20       | 41292   | 2660.2          | 1  | 99     | 20       | 41490   | 2680.0          | 1  | 0      | 25.7                       | 24.3                 | 25.7                       | 24.1               | -0.2  |
| CA_41C            | ANT 3   | Mode B        | QPSK       | 20       | 39750   | 2506.0          | 1  | 99     | 20       | 39948   | 2525.8          | 1  | 0      | 23.4                       | 22.1                 | 23.4                       | 21.8               | -0.3  |
| CA_41C            | ANT 3   | Mode B        | QPSK       | 20       | 40521   | 2583.1          | 1  | 99     | 20       | 40719   | 2602.9          | 1  | 0      | 23.4                       | 22.3                 | 23.4                       | 21.9               | -0.4  |
| CA_41C            | ANT 3   | Mode B        | QPSK       | 20       | 41292   | 2660.2          | 1  | 99     | 20       | 41490   | 2680.0          | 1  | 0      | 23.4                       | 22.3                 | 23.4                       | 21.9               | -0.4  |
| CA_41C            | ANT 4   | Mode A        | QPSK       | 20       | 39750   | 2506.0          | 1  | 99     | 20       | 39948   | 2525.8          | 1  | 0      | 24.4                       | 22.8                 | 24.4                       | 22.7               | -0.1  |
| CA_41C            | ANT 4   | Mode A        | QPSK       | 20       | 40521   | 2583.1          | 1  | 99     | 20       | 40719   | 2602.9          | 1  | 0      | 24.4                       | 23.1                 | 24.4                       | 22.9               | -0.2  |
| CA_41C            | ANT 4   | Mode A        | QPSK       | 20       | 41292   | 2660.2          | 1  | 99     | 20       | 41490   | 2680.0          | 1  | 0      | 24.4                       | 22.8                 | 24.4                       | 22.7               | -0.1  |
| CA_41C            | ANT 4   | Mode B        | QPSK       | 20       | 39750   | 2506.0          | 1  | 99     | 20       | 39948   | 2525.8          | 1  | 0      | 24.7                       | 23.7                 | 24.7                       | 23.3               | -0.4  |
| CA_41C            | ANT 4   | Mode B        | QPSK       | 20       | 40521   | 2583.1          | 1  | 99     | 20       | 40719   | 2602.9          | 1  | 0      | 24.7                       | 24.0                 | 24.7                       | 23.6               | -0.4  |
| CA_41C            | ANT 4   | Mode B        | QPSK       | 20       | 41292   | 2660.2          | 1  | 99     | 20       | 41490   | 2680.0          | 1  | 0      | 24.7                       | 23.6                 | 24.7                       | 23.2               | -0.4  |

**Note(s):**

1. Additional SAR for UL CA PC2 is not required. Test reduction has been applied based on standalone SAR.
2. SAR evaluation for PC2 is only required when its Maximum output power is higher from PC3.

**LTE CA 48C Measured Results**

| UL CA Combination | Antenna | Power Mode(s) | Modulation | PCC      |         |                 |    |        | SCC      |         |                 |    |        | Standalone Power           |                      | (PCC + SCC) UL CA Power    |                    |       |
|-------------------|---------|---------------|------------|----------|---------|-----------------|----|--------|----------|---------|-----------------|----|--------|----------------------------|----------------------|----------------------------|--------------------|-------|
|                   |         |               |            | BW (MHz) | Channel | Frequency (MHz) | RB | Offset | BW (MHz) | Channel | Frequency (MHz) | RB | Offset | Maximum Output Power (dBm) | UL CA Inactive (dBm) | Maximum Output Power (dBm) | UL CA Active (dBm) | Delta |
| CA_48C            | ANT 7   | Mode A        | QPSK       | 20       | 55340   | 3560.0          | 1  | 99     | 20       | 55538   | 3579.8          | 1  | 0      | 25.6                       | 24.2                 | 24.7                       | 24.0               | -0.2  |
| CA_48C            | ANT 7   | Mode A        | QPSK       | 20       | 55891   | 3615.1          | 1  | 99     | 20       | 56089   | 3634.9          | 1  | 0      | 25.6                       | 24.2                 | 24.7                       | 24.0               | -0.2  |
| CA_48C            | ANT 7   | Mode A        | QPSK       | 20       | 56442   | 3670.2          | 1  | 99     | 20       | 56640   | 3690.0          | 1  | 0      | 25.6                       | 24.5                 | 24.7                       | 24.2               | -0.3  |
| CA_48C            | ANT 7   | Mode B        | QPSK       | 20       | 55340   | 3560.0          | 1  | 99     | 20       | 55538   | 3579.8          | 1  | 0      | 24.0                       | 22.4                 | 24.0                       | 22.3               | -0.1  |
| CA_48C            | ANT 7   | Mode B        | QPSK       | 20       | 55891   | 3615.1          | 1  | 99     | 20       | 56089   | 3634.9          | 1  | 0      | 24.0                       | 22.3                 | 24.0                       | 22.5               | 0.2   |
| CA_48C            | ANT 7   | Mode B        | QPSK       | 20       | 56442   | 3670.2          | 1  | 99     | 20       | 56640   | 3690.0          | 1  | 0      | 24.0                       | 22.4                 | 24.0                       | 22.6               | 0.2   |
| CA_48C            | ANT 8   | Mode A        | QPSK       | 20       | 55340   | 3560.0          | 1  | 99     | 20       | 55538   | 3579.8          | 1  | 0      | 25.7                       | 23.7                 | 24.7                       | 23.7               | 0.0   |
| CA_48C            | ANT 8   | Mode A        | QPSK       | 20       | 55891   | 3615.1          | 1  | 99     | 20       | 56089   | 3634.9          | 1  | 0      | 25.7                       | 23.7                 | 24.7                       | 23.7               | 0.0   |
| CA_48C            | ANT 8   | Mode A        | QPSK       | 20       | 56442   | 3670.2          | 1  | 99     | 20       | 56640   | 3690.0          | 1  | 0      | 25.7                       | 23.7                 | 24.7                       | 23.7               | 0.0   |
| CA_48C            | ANT 8   | Mode B        | QPSK       | 20       | 55340   | 3560.0          | 1  | 99     | 20       | 55538   | 3579.8          | 1  | 0      | 22.3                       | 20.8                 | 22.3                       | 21.0               | 0.2   |
| CA_48C            | ANT 8   | Mode B        | QPSK       | 20       | 55891   | 3615.1          | 1  | 99     | 20       | 56089   | 3634.9          | 1  | 0      | 22.3                       | 20.8                 | 22.3                       | 20.8               | 0.0   |
| CA_48C            | ANT 8   | Mode B        | QPSK       | 20       | 56442   | 3670.2          | 1  | 99     | 20       | 56640   | 3690.0          | 1  | 0      | 22.3                       | 20.9                 | 22.3                       | 20.8               | -0.1  |
| CA_48C            | ANT 9   | Mode A        | QPSK       | 20       | 55340   | 3560.0          | 1  | 99     | 20       | 55538   | 3579.8          | 1  | 0      | 23.7                       | 23.1                 | 23.7                       | 23.0               | -0.1  |
| CA_48C            | ANT 9   | Mode A        | QPSK       | 20       | 55891   | 3615.1          | 1  | 99     | 20       | 56089   | 3634.9          | 1  | 0      | 23.7                       | 23.1                 | 23.7                       | 23.2               | 0.1   |
| CA_48C            | ANT 9   | Mode A        | QPSK       | 20       | 56442   | 3670.2          | 1  | 99     | 20       | 56640   | 3690.0          | 1  | 0      | 23.7                       | 23.2                 | 23.7                       | 23.2               | 0.0   |
| CA_48C            | ANT 9   | Mode B        | QPSK       | 20       | 55340   | 3560.0          | 1  | 99     | 20       | 55538   | 3579.8          | 1  | 0      | 21.5                       | 20.0                 | 21.5                       | 20.1               | 0.1   |
| CA_48C            | ANT 9   | Mode B        | QPSK       | 20       | 55891   | 3615.1          | 1  | 99     | 20       | 56089   | 3634.9          | 1  | 0      | 21.5                       | 20.3                 | 21.5                       | 20.2               | -0.1  |
| CA_48C            | ANT 9   | Mode B        | QPSK       | 20       | 56442   | 3670.2          | 1  | 99     | 20       | 56640   | 3690.0          | 1  | 0      | 21.5                       | 20.4                 | 21.5                       | 20.2               | -0.2  |
| CA_48C            | ANT 4   | Mode A        | QPSK       | 20       | 55340   | 3560.0          | 1  | 99     | 20       | 55538   | 3579.8          | 1  | 0      | 20.5                       | 18.8                 | 20.5                       | 18.8               | 0.0   |
| CA_48C            | ANT 4   | Mode A        | QPSK       | 20       | 55891   | 3615.1          | 1  | 99     | 20       | 56089   | 3634.9          | 1  | 0      | 20.5                       | 18.8                 | 20.5                       | 18.6               | -0.2  |
| CA_48C            | ANT 4   | Mode A        | QPSK       | 20       | 56442   | 3670.2          | 1  | 99     | 20       | 56640   | 3690.0          | 1  | 0      | 20.5                       | 18.9                 | 20.5                       | 18.8               | -0.1  |
| CA_48C            | ANT 4   | Mode B        | QPSK       | 20       | 55340   | 3560.0          | 1  | 99     | 20       | 55538   | 3579.8          | 1  | 0      | 22.4                       | 21.1                 | 22.4                       | 21.2               | 0.1   |
| CA_48C            | ANT 4   | Mode B        | QPSK       | 20       | 55891   | 3615.1          | 1  | 99     | 20       | 56089   | 3634.9          | 1  | 0      | 22.4                       | 21.0                 | 22.4                       | 21.1               | 0.1   |
| CA_48C            | ANT 4   | Mode B        | QPSK       | 20       | 56442   | 3670.2          | 1  | 99     | 20       | 56640   | 3690.0          | 1  | 0      | 22.4                       | 21.2                 | 22.4                       | 21.3               | 0.1   |

**LTE Inter-Band Carrier Aggregation**

According to October 2018 TCB workshop, Uplink CA SAR Test Guidance as follows:

- Provide the single uplink SAR values you have obtained for the relevant SAR configurations and frequency bands that employ inter-band uplink carrier aggregation.
- If the single uplink 1-g SAR values for each band are both less than 0.8 W/kg and the algebraic summation of the 1-g SAR values are less than 1.45 W/kg no additional measurements need to be performed.
- If one of the single uplink 1-g SAR values is greater than 0.8 W/kg, instead of algebraically summing the 1-g SAR values, sum up the SAR distributions, similar to the enlarged zoom scan (volume scan) procedures found in FCC KDB Publication 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04.
- If the algebraic sum of the 1-g SAR values is > 1.45 W/kg additional measurements may have to be made. Submit a KDB inquiry for additional guidance.

**Maximum Output Power (Tune-up Limit) and SAR test exemption for LTE UL Carrier Aggregation**

The maximum UL CA transmit power is reduced by 3dB from the standalone values for both carriers therefore SAR will be reduced accordingly.

The reported 1g SAR for any standalone LTE configuration does not exceed 1.2 W/kg. The worst-case UL CA SAR per band will therefore be <0.6W/kg. As the SAR for each individual band is <0.6 W/kg and the algebraic summation cannot exceed 1.2 W/kg no further measurements are needed.

The combined SAR contribution cannot exceed the highest standalone SAR:

$$(SAR_{LTE1/2} + SAR_{LTE2/2} \leq \text{Max}(SAR_{LTE1}, SAR_{LTE2}))$$

therefore, simultaneous transmission analysis of UL-CA and WLAN/BT transmitters can be done using either of the standalone LTE SAR values alone.

**9.5. LTE Down-Link Carrier Aggregation**

This device supports LTE downlink carrier aggregation (CA).

## 9.6. 5G NR (FR1)

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS 138.521-1 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS138.521-1.

**Table 6.2.2.3-1: Maximum Power Reduction (MPR) for Power 3**

| Modulation           | MPR (dB)            |                      |                      |
|----------------------|---------------------|----------------------|----------------------|
|                      | Edge RB allocations | Outer RB allocations | Inner RB allocations |
| DFT-s-OFDM PI/2 BPSK | $\leq 3.5^1$        | $\leq 1.2^1$         | $\leq 0.2^1$         |
| DFT-s-OFDM QPSK      | $\leq 0.5^2$        |                      | $0^2$                |
| DFT-s-OFDM 16 QAM    | $\leq 1$            |                      | 0                    |
| DFT-s-OFDM 64 QAM    | $\leq 2$            |                      | $\leq 1$             |
| DFT-s-OFDM 256 QAM   |                     | $\leq 2.5$           |                      |
| CP-OFDM QPSK         |                     | $\leq 4.5$           |                      |
| CP-OFDM 16 QAM       | $\leq 3$            |                      | $\leq 1.5$           |
| CP-OFDM 64 QAM       | $\leq 3$            |                      | $\leq 2$             |
| CP-OFDM 256 QAM      |                     | $\leq 3.5$           |                      |
|                      |                     | $\leq 6.5$           |                      |

NOTE 1: Applicable for UE operating in TDD mode with PI/2 BPSK modulation and UE indicates support for UE capability *powerBoosting-pi2BPSK* and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0dB MPR is 26dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 and if the IE *powerBoostPi2BPSK* is set to 0 and if more than 40% of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

The allowed A-MPR values specified below in Table 6.2.3.3.1-1 of 3GPP TS138.521-1 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS\_01"

**Table 6.2.3.3.1-1: Additional maximum power reduction (A-MPR)**

| Network Signalling label | Requirements (subclause) | NR Band     | Channel bandwidth (MHz)                        | Resources Blocks ( $N_{RB}$ ) | A-MPR (dB) |
|--------------------------|--------------------------|-------------|--|-------------------------------|------------|
| NS_01                    |                          | Table 5.2-1 | 5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 90, 100 | Table 5.3.2-1                 | N/A        |

Uplink RB allocations were used to Table 6.1-1 of the 3GPP TS 138.521-1.

| Channel Bandwidth | SCS(kHz) | OFDM  | RB allocation  |                 |               |                |            |                    |                |                 |
|-------------------|----------|-------|----------------|-----------------|---------------|----------------|------------|--------------------|----------------|-----------------|
|                   |          |       | Edge_Full_Left | Edge_Full_Right | Edge_1RB_Left | Edge_1RB_Right | Outer_Full | Inner_Full         | Inner_1RB_Left | Inner_1RB_Right |
| 5MHz              | 15       | DFT-s | 2@0            | 2@23            | 1@0           | 1@24           | 25@0       | 12@6               | 1@1            | 1@23            |
|                   |          | CP    | 2@0            | 2@23            | 1@0           | 1@24           | 25@0       | 13@6               | 1@1            | 1@23            |
|                   | 30       | DFT-s | 2@0            | 2@9             | 1@0           | 1@10           | 10@0       | 5@2 <sup>1</sup>   | 1@1            | 1@9             |
|                   |          | CP    | 2@0            | 2@9             | 1@0           | 1@10           | 11@0       | 5@2 <sup>1</sup>   | 1@1            | 1@9             |
|                   | 60       | DFT-s | N/A            | N/A             | N/A           | N/A            | N/A        | N/A                | N/A            | N/A             |
|                   |          | CP    | N/A            | N/A             | N/A           | N/A            | N/A        | N/A                | N/A            | N/A             |
| 10MHz             | 15       | DFT-s | 2@0            | 2@50            | 1@0           | 1@51           | 50@0       | 25@12              | 1@1            | 1@50            |
|                   |          | CP    | 2@0            | 2@50            | 1@0           | 1@51           | 52@0       | 26@13              | 1@1            | 1@50            |
|                   | 30       | DFT-s | 2@0            | 2@22            | 1@0           | 1@23           | 24@0       | 12@6               | 1@1            | 1@22            |
|                   |          | CP    | 2@0            | 2@22            | 1@0           | 1@23           | 24@0       | 12@6               | 1@1            | 1@22            |
|                   | 60       | DFT-s | 2@0            | 2@9             | 1@0           | 1@10           | 10@0       | 5@2 <sup>1</sup>   | 1@1            | 1@9             |
|                   |          | CP    | 2@0            | 2@9             | 1@0           | 1@10           | 11@0       | 5@2 <sup>1</sup>   | 1@1            | 1@9             |
| 15MHz             | 15       | DFT-s | 2@0            | 2@77            | 1@0           | 1@78           | 75@0       | 36@18              | 1@1            | 1@77            |
|                   |          | CP    | 2@0            | 2@77            | 1@0           | 1@78           | 79@0       | 39@19 <sup>1</sup> | 1@1            | 1@77            |
|                   | 30       | DFT-s | 2@0            | 2@36            | 1@0           | 1@37           | 36@0       | 18@9               | 1@1            | 1@36            |
|                   |          | CP    | 2@0            | 2@36            | 1@0           | 1@37           | 38@0       | 19@9               | 1@1            | 1@36            |
|                   | 60       | DFT-s | 2@0            | 2@16            | 1@0           | 1@17           | 18@0       | 9@4                | 1@1            | 1@16            |
|                   |          | CP    | 2@0            | 2@16            | 1@0           | 1@17           | 18@0       | 9@4                | 1@1            | 1@16            |
| 20MHz             | 15       | DFT-s | 2@0            | 2@104           | 1@0           | 1@105          | 100@0      | 50@25              | 1@1            | 1@104           |
|                   |          | CP    | 2@0            | 2@104           | 1@0           | 1@105          | 106@0      | 53@26              | 1@1            | 1@104           |
|                   | 30       | DFT-s | 2@0            | 2@49            | 1@0           | 1@50           | 50@0       | 25@12              | 1@1            | 1@49            |
|                   |          | CP    | 2@0            | 2@49            | 1@0           | 1@50           | 51@0       | 25@12 <sup>1</sup> | 1@1            | 1@49            |
|                   | 60       | DFT-s | 2@0            | 2@22            | 1@0           | 1@23           | 24@0       | 12@6               | 1@1            | 1@22            |
|                   |          | CP    | 2@0            | 2@22            | 1@0           | 1@23           | 24@0       | 12@6               | 1@1            | 1@22            |
| 25MHz             | 15       | DFT-s | 2@0            | 2@131           | 1@0           | 1@132          | 128@0      | 64@32              | 1@1            | 1@131           |
|                   |          | CP    | 2@0            | 2@131           | 1@0           | 1@132          | 133@0      | 67@33              | 1@1            | 1@131           |
|                   | 30       | DFT-s | 2@0            | 2@63            | 1@0           | 1@64           | 64@0       | 32@16              | 1@1            | 1@63            |
|                   |          | CP    | 2@0            | 2@63            | 1@0           | 1@64           | 65@0       | 33@16              | 1@1            | 1@63            |
|                   | 60       | DFT-s | 2@0            | 2@29            | 1@0           | 1@30           | 30@0       | 15@7 <sup>1</sup>  | 1@1            | 1@29            |
|                   |          | CP    | 2@0            | 2@29            | 1@0           | 1@30           | 31@0       | 15@7 <sup>1</sup>  | 1@1            | 1@29            |
| 30MHz             | 15       | DFT-s | 2@0            | 2@158           | 1@0           | 1@159          | 160@0      | 80@40              | 1@1            | 1@158           |
|                   |          | CP    | 2@0            | 2@158           | 1@0           | 1@159          | 160@0      | 80@40              | 1@1            | 1@158           |
|                   | 30       | DFT-s | 2@0            | 2@78            | 1@0           | 1@77           | 75@0       | 36@18              | 1@1            | 1@78            |
|                   |          | CP    | 2@0            | 2@78            | 1@0           | 1@77           | 78@0       | 39@19              | 1@1            | 1@78            |
|                   | 60       | DFT-s | 2@0            | 2@36            | 1@0           | 1@37           | 36@0       | 18@9               | 1@1            | 1@36            |
|                   |          | CP    | 2@0            | 2@36            | 1@0           | 1@37           | 38@0       | 19@9               | 1@1            | 1@36            |
| 40MHz             | 15       | DFT-s | 2@0            | 2@214           | 1@0           | 1@215          | 216@0      | 108@54             | 1@1            | 1@214           |
|                   |          | CP    | 2@0            | 2@214           | 1@0           | 1@215          | 216@0      | 108@54             | 1@1            | 1@214           |
|                   | 30       | DFT-s | 2@0            | 2@104           | 1@0           | 1@105          | 100@0      | 50@25              | 1@1            | 1@104           |
|                   |          | CP    | 2@0            | 2@104           | 1@0           | 1@105          | 106@0      | 53@26              | 1@1            | 1@104           |
|                   | 60       | DFT-s | 2@0            | 2@49            | 1@0           | 1@50           | 50@0       | 25@12              | 1@1            | 1@49            |
|                   |          | CP    | 2@0            | 2@49            | 1@0           | 1@50           | 51@0       | 25@12 <sup>1</sup> | 1@1            | 1@49            |
| 50MHz             | 15       | DFT-s | 2@0            | 2@268           | 1@0           | 1@269          | 270@0      | 135@67             | 1@1            | 1@268           |
|                   |          | CP    | 2@0            | 2@268           | 1@0           | 1@269          | 270@0      | 135@67             | 1@1            | 1@268           |
|                   | 30       | DFT-s | 2@0            | 2@131           | 1@0           | 1@132          | 128@0      | 64@32              | 1@1            | 1@131           |
|                   |          | CP    | 2@0            | 2@131           | 1@0           | 1@132          | 133@0      | 67@33              | 1@1            | 1@131           |
|                   | 60       | DFT-s | 2@0            | 2@63            | 1@0           | 1@64           | 64@0       | 32@16              | 1@1            | 1@63            |
|                   |          | CP    | 2@0            | 2@63            | 1@0           | 1@64           | 65@0       | 33@16              | 1@1            | 1@63            |
| 60MHz             | 15       | DFT-s | N/A            | N/A             | N/A           | N/A            | N/A        | N/A                | N/A            | N/A             |
|                   |          | CP    | N/A            | N/A             | N/A           | N/A            | N/A        | N/A                | N/A            | N/A             |
|                   | 30       | DFT-s | 2@0            | 2@160           | 1@0           | 1@161          | 162@0      | 81@40              | 1@1            | 1@160           |
|                   |          | CP    | 2@0            | 2@160           | 1@0           | 1@161          | 162@0      | 81@40              | 1@1            | 1@160           |
|                   | 60       | DFT-s | 2@0            | 2@77            | 1@0           | 1@78           | 75@0       | 36@18              | 1@1            | 1@77            |
|                   |          | CP    | 2@0            | 2@77            | 1@0           | 1@78           | 79@0       | 39@19 <sup>1</sup> | 1@1            | 1@77            |
| 80MHz             | 15       | DFT-s | N/A            | N/A             | N/A           | N/A            | N/A        | N/A                | N/A            | N/A             |
|                   |          | CP    | N/A            | N/A             | N/A           | N/A            | N/A        | N/A                | N/A            | N/A             |
| 90MHz             | 30       | DFT-s | 2@0            | 2@215           | 1@0           | 1@216          | 216@0      | 108@54             | 1@1            | 1@215           |
|                   |          | CP    | 2@0            | 2@215           | 1@0           | 1@216          | 217@0      | 109@54             | 1@1            | 1@215           |
|                   | 60       | DFT-s | 2@0            | 2@105           | 1@0           | 1@106          | 100@0      | 50@25              | 1@1            | 1@105           |
|                   |          | CP    | 2@0            | 2@105           | 1@0           | 1@106          | 107@0      | 53@26 <sup>1</sup> | 1@1            | 1@105           |
|                   | 15       | DFT-s | N/A            | N/A             | N/A           | N/A            | N/A        | N/A                | N/A            | N/A             |
|                   |          | CP    | N/A            | N/A             | N/A           | N/A            | N/A        | N/A                | N/A            | N/A             |
| 30                | DFT-s    | 2@0   | 2@243          | 1@0             | 1@244         | 240@0          | 120@60     | 1@1                | 1@243          |                 |
|                   | CP       | 2@0   | 2@243          | 1@0             | 1@244         | 245@0          | 123@61     | 1@1                | 1@243          |                 |
| 60                | DFT-s    | 2@0   | 2@119          | 1@0             | 1@120         | 120@0          | 60@30      | 1@1                | 1@119          |                 |
|                   | CP       | 2@0   | 2@119          | 1@0             | 1@120         | 121@0          | 61@30      | 1@1                | 1@119          |                 |
| 100MHz            | 15       | DFT-s | N/A            | N/A             | N/A           | N/A            | N/A        | N/A                | N/A            | N/A             |
|                   |          | CP    | N/A            | N/A             | N/A           | N/A            | N/A        | N/A                | N/A            | N/A             |
|                   | 30       | DFT-s | 2@0            | 2@271           | 1@0           | 1@272          | 270@0      | 135@67             | 1@1            | 1@271           |
|                   |          | CP    | 2@0            | 2@271           | 1@0           | 1@272          | 273@0      | 137@68             | 1@1            | 1@271           |
|                   | 60       | DFT-s | 2@0            | 2@133           | 1@0           | 1@134          | 135@0      | 64@32              | 1@1            | 1@133           |
|                   |          | CP    | 2@0            | 2@133           | 1@0           | 1@134          | 135@0      | 67@33 <sup>1</sup> | 1@1            | 1@133           |

Note 1: The allocated RB number  $Low$  is  $cell(N_{RB}/2) - 1$  in order to meet Inner RB allocation definition ( $RB_{start,Low} \leq RB_{start} \leq RB_{start,High}$ ) described in subclause 6.2.2 of TS 38.101-1 [2].



According to April 2015 TCB workshop, SAR test exclusion can be applied for testing overlapping 5G NR(FR1) bands as follows:

- c) The maximum output power, including tolerance, for the smaller band must be  $\leq$  the larger band to qualify for the SAR test exclusion.
- d) The channel bandwidth and other operating parameters for the smaller band must be fully supported by the larger band.

- NR Band n2 (1850-1910 MHz) is covered by NR Band n25 (1850-1915 MHz)
- NR Band n38 (2570-2620 MHz) is covered by NR Band n41 (2500-2690 MHz)

Maximum bandwidth does not support at least three non-overlapping channels in certain channel bandwidths. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing per KDB 941225 D05 SAR for LTE Devices.

SAR measurement is not required for the  $\pi/2$  BPSK, 16QAM, 64QAM and 256QAM. When the highest maximum output power for  $\pi/2$  BPSK, 16QAM, 64QAM and 256QAM is  $\leq 1/2$  dB higher than the QPSK or when the reported SAR for the QPSK configuration is  $\leq 1.45$  W/kg.

Please refer to section 6.5. for 5G NR(FR1) detail test channels.

### Maximum Output Power for 5G NR (FR1)

| RF Air interface | Mode                | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|------------------|---------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|
|                  |                     | ANT1                       |        | ANT2   |        | ANT3   |        | ANT4   |        |
|                  |                     | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| NR n2            | $\pi/2$ BPSK & QPSK | 25.7                       | 19.7   | 21.0   | 21.3   | 24.5   | 21.8   | 19.6   | 21.7   |
| NR n5            | $\pi/2$ BPSK & QPSK | 25.7                       | 25.7   | 23.5   | 24.7   |        |        |        |        |
| NR n7            | $\pi/2$ BPSK & QPSK | 25.7                       | 21.0   | 17.8   | 18.9   | 23.1   | 21.1   | 21.5   | 21.2   |
| NR n12           | $\pi/2$ BPSK & QPSK | 25.7                       | 25.7   | 24.7   | 24.7   |        |        |        |        |
| NR n14           | $\pi/2$ BPSK & QPSK | 25.7                       | 25.7   | 23.7   | 24.7   |        |        |        |        |
| NR n25           | $\pi/2$ BPSK & QPSK | 25.7                       | 19.7   | 21.0   | 21.3   | 24.5   | 21.8   | 19.6   | 21.7   |
| NR n26           | $\pi/2$ BPSK & QPSK | 25.7                       | 25.7   | 23.5   | 24.7   |        |        |        |        |
| NR n30           | $\pi/2$ BPSK & QPSK | 25.7                       | 22.9   | 20.4   | 19.2   | 24.0   | 22.3   | 20.4   | 19.9   |
| NR n41 (PC3)     | $\pi/2$ BPSK & QPSK | 25.7                       | 21.9   | 18.3   | 19.2   | 25.3   | 21.4   | 22.4   | 22.7   |
| NR n41 (PC2)     | $\pi/2$ BPSK & QPSK | 28.7                       | 21.9   | 18.3   | 19.2   | 25.3   | 21.4   | 22.4   | 22.7   |
| NR n53           | $\pi/2$ BPSK & QPSK | 20.7                       | 20.7   | 18.3   | 19.2   |        |        |        |        |
| NR n66           | $\pi/2$ BPSK & QPSK | 25.7                       | 19.6   | 20.0   | 19.4   | 24.2   | 22.1   | 20.0   | 21.8   |
| NR n70           | $\pi/2$ BPSK & QPSK | 25.7                       | 19.6   | 20.0   | 19.4   | 24.2   | 22.1   | 20.0   | 21.8   |
| NR n71           | $\pi/2$ BPSK & QPSK | 25.7                       | 25.7   | 24.7   | 24.7   |        |        |        |        |
| RF Air interface | Mode                | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|                  |                     | ANT7                       |        | ANT8   |        | ANT9   |        | ANT4   |        |
|                  |                     | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| NR n48           | $\pi/2$ BPSK & QPSK | 25.3                       | 22.0   | 24.5   | 20.3   | 22.2   | 19.5   | 18.5   | 20.4   |
| NR n77 (PC3)     | $\pi/2$ BPSK & QPSK | 23.8                       | 19.0   | 23.6   | 20.1   | 21.6   | 18.9   | 18.9   | 20.3   |
| NR n77 (PC2)     | $\pi/2$ BPSK & QPSK | 23.8                       | 19.0   | 23.6   | 20.1   | 21.6   | 18.9   | 18.9   | 20.3   |

**Simultaneous Maximum Output Power for 5G NR (FR1)**

| RF Air interface | Mode                | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|------------------|---------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|
|                  |                     | ANT1                       |        | ANT2   |        | ANT3   |        | ANT4   |        |
|                  |                     | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| NR n2            | $\pi/2$ BPSK & QPSK | 25.5                       | 18.9   | 20.2   | 20.5   | 23.7   | 21.0   | 18.8   | 20.9   |
| NR n5            | $\pi/2$ BPSK & QPSK | 25.7                       | 25.7   | 22.7   | 24.7   |        |        |        |        |
| NR n7            | $\pi/2$ BPSK & QPSK | 25.7                       | 20.2   | 17.0   | 18.1   | 22.3   | 20.3   | 20.7   | 20.4   |
| NR n12           | $\pi/2$ BPSK & QPSK | 25.7                       | 25.7   | 24.2   | 24.7   |        |        |        |        |
| NR n14           | $\pi/2$ BPSK & QPSK | 25.7                       | 25.7   | 22.9   | 24.7   |        |        |        |        |
| NR n25           | $\pi/2$ BPSK & QPSK | 25.5                       | 18.9   | 20.2   | 20.5   | 23.7   | 21.0   | 18.8   | 20.9   |
| NR n26           | $\pi/2$ BPSK & QPSK | 25.7                       | 25.7   | 22.7   | 24.7   |        |        |        |        |
| NR n30           | $\pi/2$ BPSK & QPSK | 25.7                       | 22.1   | 19.6   | 18.4   | 23.2   | 21.5   | 19.6   | 19.1   |
| NR n41 (PC3)     | $\pi/2$ BPSK & QPSK | 25.7                       | 21.1   | 17.5   | 18.4   | 24.5   | 20.6   | 21.6   | 21.9   |
| NR n41 (PC2)     | $\pi/2$ BPSK & QPSK | 27.9                       | 21.1   | 17.5   | 18.4   | 24.5   | 20.6   | 21.6   | 21.9   |
| NR n53           | $\pi/2$ BPSK & QPSK | 20.7                       | 20.7   | 17.5   | 18.4   |        |        |        |        |
| NR n66           | $\pi/2$ BPSK & QPSK | 25.4                       | 18.8   | 19.2   | 18.6   | 23.4   | 21.3   | 19.2   | 21.0   |
| NR n70           | $\pi/2$ BPSK & QPSK | 25.3                       | 18.8   | 19.2   | 18.6   | 23.4   | 21.3   | 19.2   | 21.0   |
| NR n71           | $\pi/2$ BPSK & QPSK | 25.7                       | 25.7   | 24.7   | 24.7   |        |        |        |        |
| RF Air interface | Mode                | Maximum Output Power (dBm) |        |        |        |        |        |        |        |
|                  |                     | ANT7                       |        | ANT8   |        | ANT9   |        | ANT4   |        |
|                  |                     | Mode A                     | Mode B | Mode A | Mode B | Mode A | Mode B | Mode A | Mode B |
| NR n48           | $\pi/2$ BPSK & QPSK | 24.5                       | 21.2   | 23.7   | 19.5   | 21.4   | 18.7   | 17.7   | 19.6   |
| NR n77 (PC3)     | $\pi/2$ BPSK & QPSK | 23.0                       | 18.2   | 22.8   | 19.3   | 20.8   | 18.1   | 18.1   | 19.5   |
| NR n77 (PC2)     | $\pi/2$ BPSK & QPSK | 23.0                       | 18.2   | 22.8   | 19.3   | 20.8   | 18.1   | 18.1   | 19.5   |

**NR Band 5 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|----------|------------|---------------|-----------|--------------------|-----------|-----------|-----|-----------|--------------------|-----------|-----------|-----|-----------|
|          |            |               |           | 166800             | 167300    | 167800    | MPR | Max Power | 166800             | 167300    | 167800    | MPR | Max Power |
|          |            |               |           | 834 MHz            | 836.5 MHz | 839 MHz   |     |           | 834 MHz            | 836.5 MHz | 839 MHz   |     |           |
| 20       | π/2 BPSK   | 1             | 1         |                    | 25.0      |           | 0   | 25.7      |                    | 25.0      |           | 0   | 25.7      |
|          |            | 1             | 104       |                    | 25.2      |           | 0   | 25.7      |                    | 25.2      |           | 0   | 25.7      |
|          |            | 50            | 28        |                    | 25.5      |           | 0   | 25.7      |                    | 25.5      |           | 0   | 25.7      |
|          | QPSK       | 1             | 1         |                    | 25.2      |           | 0   | 25.7      |                    | 25.2      |           | 0   | 25.7      |
|          |            | 1             | 104       |                    | 25.3      |           | 0   | 25.7      |                    | 25.3      |           | 0   | 25.7      |
|          |            | 50            | 28        |                    | 25.6      |           | 0   | 25.7      |                    | 25.6      |           | 0   | 25.7      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|          |            |               |           | 166300             | 167300    | 168300    | MPR | Max Power | 166300             | 167300    | 168300    | MPR | Max Power |
|          |            |               |           | 831.5 MHz          | 836.5 MHz | 841.5 MHz |     |           | 831.5 MHz          | 836.5 MHz | 841.5 MHz |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 24.7      |           | 0   | 25.7      |                    | 24.7      |           | 0   | 25.7      |
|          |            | 1             | 77        |                    | 24.8      |           | 0   | 25.7      |                    | 24.8      |           | 0   | 25.7      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|          |            |               |           | 165800             | 167300    | 168800    | MPR | Max Power | 165800             | 167300    | 168800    | MPR | Max Power |
|          |            |               |           | 829 MHz            | 836.5 MHz | 844 MHz   |     |           | 829 MHz            | 836.5 MHz | 844 MHz   |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 24.9      |           | 0   | 25.7      |                    | 24.9      |           | 0   | 25.7      |
|          |            | 1             | 50        |                    | 24.9      |           | 0   | 25.7      |                    | 24.9      |           | 0   | 25.7      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|          |            |               |           | 165300             | 167300    | 169300    | MPR | Max Power | 165300             | 167300    | 169300    | MPR | Max Power |
|          |            |               |           | 826.5 MHz          | 836.5 MHz | 846.5 MHz |     |           | 826.5 MHz          | 836.5 MHz | 846.5 MHz |     |           |
| 5        | π/2 BPSK   | 1             | 1         |                    | 24.8      |           | 0   | 25.7      |                    | 24.8      |           | 0   | 25.7      |
|          |            | 1             | 23        |                    | 24.7      |           | 0   | 25.7      |                    | 24.7      |           | 0   | 25.7      |

**NR Band 5 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|----------|------------|---------------|-----------|--------------------|-----------|-----------|-----|-----------|--------------------|-----------|-----------|-----|-----------|
|          |            |               |           | 166800             | 167300    | 167800    | MPR | Max Power | 166800             | 167300    | 167800    | MPR | Max Power |
|          |            |               |           | 834 MHz            | 836.5 MHz | 839 MHz   |     |           | 834 MHz            | 836.5 MHz | 839 MHz   |     |           |
| 20       | π/2 BPSK   | 1             | 1         |                    | 22.7      |           | 0   | 23.5      |                    | 23.7      |           | 0   | 24.7      |
|          |            | 1             | 104       |                    | 22.7      |           | 0   | 23.5      |                    | 23.7      |           | 0   | 24.7      |
|          |            | 50            | 28        |                    | 22.8      |           | 0   | 23.5      |                    | 24.2      |           | 0   | 24.7      |
|          | QPSK       | 1             | 1         |                    | 22.2      |           | 0   | 23.5      |                    | 23.5      |           | 0   | 24.7      |
|          |            | 1             | 104       |                    | 22.6      |           | 0   | 23.5      |                    | 23.6      |           | 0   | 24.7      |
|          |            | 50            | 28        |                    | 22.4      |           | 0   | 23.5      |                    | 24.1      |           | 0   | 24.7      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|          |            |               |           | 166300             | 167300    | 168300    | MPR | Max Power | 166300             | 167300    | 168300    | MPR | Max Power |
|          |            |               |           | 831.5 MHz          | 836.5 MHz | 841.5 MHz |     |           | 831.5 MHz          | 836.5 MHz | 841.5 MHz |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 22.2      |           | 0   | 23.5      |                    | 23.3      |           | 0   | 24.7      |
|          |            | 1             | 77        |                    | 22.4      |           | 0   | 23.5      |                    | 23.3      |           | 0   | 24.7      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|          |            |               |           | 165800             | 167300    | 168800    | MPR | Max Power | 165800             | 167300    | 168800    | MPR | Max Power |
|          |            |               |           | 829 MHz            | 836.5 MHz | 844 MHz   |     |           | 829 MHz            | 836.5 MHz | 844 MHz   |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 22.4      |           | 0   | 23.5      |                    | 23.3      |           | 0   | 24.7      |
|          |            | 1             | 50        |                    | 22.5      |           | 0   | 23.5      |                    | 23.5      |           | 0   | 24.7      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|          |            |               |           | 165300             | 167300    | 169300    | MPR | Max Power | 165300             | 167300    | 169300    | MPR | Max Power |
|          |            |               |           | 826.5 MHz          | 836.5 MHz | 846.5 MHz |     |           | 826.5 MHz          | 836.5 MHz | 846.5 MHz |     |           |
| 5        | π/2 BPSK   | 1             | 1         |                    | 22.4      |           | 0   | 23.5      |                    | 23.5      |           | 0   | 24.7      |
|          |            | 1             | 23        |                    | 22.4      |           | 0   | 23.5      |                    | 23.4      |           | 0   | 24.7      |

**NR Band 7 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|----------|------------|---------------|-----------|--------------------|----------|------------|-----|-----------|--------------------|----------|------------|-----|-----------|
|          |            |               |           | 504000             | 507000   | 510000     | MPR | Max Power | 504000             | 507000   | 510000     | MPR | Max Power |
|          |            |               |           | 2520 MHz           | 2535 MHz | 2550 MHz   |     |           | 2520 MHz           | 2535 MHz | 2550 MHz   |     |           |
| 40       | π/2 BPSK   | 1             | 1         |                    | 24.7     |            | 0   | 25.7      |                    | 19.5     |            | 0   | 21        |
|          |            | 1             | 214       |                    | 24.7     |            | 0   | 25.7      |                    | 19.5     |            | 0   | 21        |
|          |            | 108           | 54        |                    | 25.2     |            | 0   | 25.7      |                    | 19.5     |            | 0   | 21        |
|          | QPSK       | 1             | 1         |                    | 24.5     |            | 0   | 25.7      |                    | 19.5     |            | 0   | 21        |
|          |            | 1             | 214       |                    | 24.6     |            | 0   | 25.7      |                    | 19.6     |            | 0   | 21        |
|          |            | 108           | 54        |                    | 24.9     |            | 0   | 25.7      |                    | 19.5     |            | 0   | 21        |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 503500             | 507000   | 510500     | MPR | Max Power | 503500             | 507000   | 510500     | MPR | Max Power |
|          |            |               |           | 2517.5 MHz         | 2535 MHz | 2552.5 MHz |     |           | 2517.5 MHz         | 2535 MHz | 2552.5 MHz |     |           |
| 35       | π/2 BPSK   | 1             | 1         |                    | 24.2     |            | 0   | 25.7      |                    | 19.0     |            | 0   | 21        |
|          |            | 1             | 186       |                    | 24.26    |            | 0   | 25.7      |                    | 19.2     |            | 0   | 21        |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 503000             | 507000   | 511000     | MPR | Max Power | 503000             | 507000   | 511000     | MPR | Max Power |
|          |            |               |           | 2515 MHz           | 2535 MHz | 2555 MHz   |     |           | 2515 MHz           | 2535 MHz | 2555 MHz   |     |           |
| 30       | π/2 BPSK   | 1             | 1         |                    | 24.3     |            | 0   | 25.7      |                    | 19.1     |            | 0   | 21        |
|          |            | 1             | 158       |                    | 24.3     |            | 0   | 25.7      |                    | 19.1     |            | 0   | 21        |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 502500             | 507000   | 511500     | MPR | Max Power | 502500             | 507000   | 511500     | MPR | Max Power |
|          |            |               |           | 2512.5 MHz         | 2535 MHz | 2557.5 MHz |     |           | 2512.5 MHz         | 2535 MHz | 2557.5 MHz |     |           |
| 25       | π/2 BPSK   | 1             | 1         |                    | 24.1     |            | 0   | 25.7      |                    | 18.9     |            | 0   | 21        |
|          |            | 1             | 131       |                    | 24.2     |            | 0   | 25.7      |                    | 19.0     |            | 0   | 21        |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 502000             | 507000   | 512000     | MPR | Max Power | 502000             | 507000   | 512000     | MPR | Max Power |
|          |            |               |           | 2510 MHz           | 2535 MHz | 2560 MHz   |     |           | 2510 MHz           | 2535 MHz | 2560 MHz   |     |           |
| 20       | π/2 BPSK   | 1             | 1         |                    | 24.8     |            | 0   | 25.7      |                    | 19.7     |            | 0   | 21        |
|          |            | 1             | 104       |                    | 24.8     |            | 0   | 25.7      |                    | 20.0     |            | 0   | 21        |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 501500             | 507000   | 512500     | MPR | Max Power | 501500             | 507000   | 512500     | MPR | Max Power |
|          |            |               |           | 2507.5 MHz         | 2535 MHz | 2562.5 MHz |     |           | 2507.5 MHz         | 2535 MHz | 2562.5 MHz |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 24.9     |            | 0   | 25.7      |                    | 19.7     |            | 0   | 21        |
|          |            | 1             | 77        |                    | 24.8     |            | 0   | 25.7      |                    | 19.9     |            | 0   | 21        |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 501000             | 507000   | 513000     | MPR | Max Power | 501000             | 507000   | 513000     | MPR | Max Power |
|          |            |               |           | 2505 MHz           | 2535 MHz | 2565 MHz   |     |           | 2505 MHz           | 2535 MHz | 2565 MHz   |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 24.9     |            | 0   | 25.7      |                    | 19.5     |            | 0   | 21        |
|          |            | 1             | 50        |                    | 24.8     |            | 0   | 25.7      |                    | 19.6     |            | 0   | 21        |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 500500             | 507000   | 513500     | MPR | Max Power | 500500             | 507000   | 513500     | MPR | Max Power |
|          |            |               |           | 2502.5 MHz         | 2535 MHz | 2567.5 MHz |     |           | 2502.5 MHz         | 2535 MHz | 2567.5 MHz |     |           |
| 5        | π/2 BPSK   | 1             | 1         |                    | 24.7     |            | 0   | 25.7      |                    | 19.7     |            | 0   | 21        |
|          |            | 1             | 23        |                    | 24.6     |            | 0   | 25.7      |                    | 19.5     |            | 0   | 21        |

**NR Band 7 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|----------|------------|---------------|-----------|--------------------|----------|------------|-----|-----------|--------------------|----------|------------|-----|-----------|
|          |            |               |           | 504000             | 507000   | 510000     | MPR | Max Power | 504000             | 507000   | 510000     | MPR | Max Power |
|          |            |               |           | 2520 MHz           | 2535 MHz | 2550 MHz   |     |           | 2520 MHz           | 2535 MHz | 2550 MHz   |     |           |
| 40       | π/2 BPSK   | 1             | 1         |                    | 16.7     |            | 0   | 17.8      |                    | 17.7     |            | 0   | 18.9      |
|          |            | 1             | 214       |                    | 16.7     |            | 0   | 17.8      |                    | 17.8     |            | 0   | 18.9      |
|          |            | 108           | 54        |                    | 16.7     |            | 0   | 17.8      |                    | 17.6     |            | 0   | 18.9      |
|          | QPSK       | 1             | 1         |                    | 16.0     |            | 0   | 17.8      |                    | 17.7     |            | 0   | 18.9      |
|          |            | 1             | 214       |                    | 16.3     |            | 0   | 17.8      |                    | 17.6     |            | 0   | 18.9      |
|          |            | 108           | 54        |                    | 16.3     |            | 0   | 17.8      |                    | 17.6     |            | 0   | 18.9      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 503500             | 507000   | 510500     | MPR | Max Power | 503500             | 507000   | 510500     | MPR | Max Power |
|          |            |               |           | 2517.5 MHz         | 2535 MHz | 2552.5 MHz |     |           | 2517.5 MHz         | 2535 MHz | 2552.5 MHz |     |           |
| 35       | π/2 BPSK   | 1             | 1         |                    | 16.6     |            | 0   | 17.8      |                    | 17.3     |            | 0   | 18.9      |
|          |            | 1             | 186       |                    | 16.6     |            | 0   | 17.8      |                    | 17.2     |            | 0   | 18.9      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 503000             | 507000   | 511000     | MPR | Max Power | 503000             | 507000   | 511000     | MPR | Max Power |
|          |            |               |           | 2515 MHz           | 2535 MHz | 2555 MHz   |     |           | 2515 MHz           | 2535 MHz | 2555 MHz   |     |           |
| 30       | π/2 BPSK   | 1             | 1         |                    | 16.1     |            | 0   | 17.8      |                    | 17.4     |            | 0   | 18.9      |
|          |            | 1             | 158       |                    | 16.6     |            | 0   | 17.8      |                    | 17.3     |            | 0   | 18.9      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 502500             | 507000   | 511500     | MPR | Max Power | 502500             | 507000   | 511500     | MPR | Max Power |
|          |            |               |           | 2512.5 MHz         | 2535 MHz | 2557.5 MHz |     |           | 2512.5 MHz         | 2535 MHz | 2557.5 MHz |     |           |
| 25       | π/2 BPSK   | 1             | 1         |                    | 16.3     |            | 0   | 17.8      |                    | 17.1     |            | 0   | 18.9      |
|          |            | 1             | 131       |                    | 16.4     |            | 0   | 17.8      |                    | 17.3     |            | 0   | 18.9      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 502000             | 507000   | 512000     | MPR | Max Power | 502000             | 507000   | 512000     | MPR | Max Power |
|          |            |               |           | 2510 MHz           | 2535 MHz | 2560 MHz   |     |           | 2510 MHz           | 2535 MHz | 2560 MHz   |     |           |
| 20       | π/2 BPSK   | 1             | 1         | 16.1               | 16.4     | 16.5       | 0   | 17.8      | 17.2               | 17.2     | 17.2       | 0   | 18.9      |
|          |            | 1             | 104       | 16.5               | 16.6     | 16.6       | 0   | 17.8      | 17.3               | 17.3     | 17.4       | 0   | 18.9      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 501500             | 507000   | 512500     | MPR | Max Power | 501500             | 507000   | 512500     | MPR | Max Power |
|          |            |               |           | 2507.5 MHz         | 2535 MHz | 2562.5 MHz |     |           | 2507.5 MHz         | 2535 MHz | 2562.5 MHz |     |           |
| 15       | π/2 BPSK   | 1             | 1         | 16.3               | 16.3     | 16.4       | 0   | 17.8      | 17.2               | 17.2     | 17.3       | 0   | 18.9      |
|          |            | 1             | 77        | 16.5               | 16.4     | 16.5       | 0   | 17.8      | 17.3               | 17.4     | 17.4       | 0   | 18.9      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 501000             | 507000   | 513000     | MPR | Max Power | 501000             | 507000   | 513000     | MPR | Max Power |
|          |            |               |           | 2505 MHz           | 2535 MHz | 2565 MHz   |     |           | 2505 MHz           | 2535 MHz | 2565 MHz   |     |           |
| 10       | π/2 BPSK   | 1             | 1         | 16.3               | 16.4     | 16.5       | 0   | 17.8      | 17.2               | 17.3     | 17.3       | 0   | 18.9      |
|          |            | 1             | 50        | 16.4               | 16.5     | 16.6       | 0   | 17.8      | 17.3               | 17.3     | 17.4       | 0   | 18.9      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 500500             | 507000   | 513500     | MPR | Max Power | 500500             | 507000   | 513500     | MPR | Max Power |
|          |            |               |           | 2502.5 MHz         | 2535 MHz | 2567.5 MHz |     |           | 2502.5 MHz         | 2535 MHz | 2567.5 MHz |     |           |
| 5        | π/2 BPSK   | 1             | 1         | 16.3               | 16.4     | 16.7       | 0   | 17.8      | 17.4               | 17.2     | 17.4       | 0   | 18.9      |
|          |            | 1             | 23        | 16.2               | 16.4     | 16.5       | 0   | 17.8      | 17.1               | 17.2     | 17.3       | 0   | 18.9      |

**NR Band 7 Measured Results (ANT3, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|----------|------------|---------------|-----------|--------------------|----------|------------|-----|-----------|--------------------|----------|------------|-----|-----------|
|          |            |               |           | 504000             | 507000   | 510000     | MPR | Max Power | 504000             | 507000   | 510000     | MPR | Max Power |
|          |            |               |           | 2520 MHz           | 2535 MHz | 2550 MHz   |     |           | 2520 MHz           | 2535 MHz | 2550 MHz   |     |           |
| 40       | π/2 BPSK   | 1             | 1         |                    | 22.4     |            | 0   | 23.1      |                    | 19.1     |            | 0   | 21.1      |
|          |            | 1             | 214       |                    | 22.5     |            | 0   | 23.1      |                    | 19.3     |            | 0   | 21.1      |
|          |            | 108           | 54        |                    | 22.8     |            | 0   | 23.1      |                    | 19.5     |            | 0   | 21.1      |
|          | QPSK       | 1             | 1         |                    | 22.1     |            | 0   | 23.1      |                    | 19.3     |            | 0   | 21.1      |
|          |            | 1             | 214       |                    | 22.1     |            | 0   | 23.1      |                    | 19.3     |            | 0   | 21.1      |
|          |            | 108           | 54        |                    | 22.4     |            | 0   | 23.1      |                    | 19.7     |            | 0   | 21.1      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 503500             | 507000   | 510500     | MPR | Max Power | 503500             | 507000   | 510500     | MPR | Max Power |
|          |            |               |           | 2517.5 MHz         | 2535 MHz | 2552.5 MHz |     |           | 2517.5 MHz         | 2535 MHz | 2552.5 MHz |     |           |
| 35       | π/2 BPSK   | 1             | 1         |                    | 22.0     |            | 0   | 23.1      |                    | 19.4     |            | 0   | 21.1      |
|          |            | 1             | 186       |                    | 22.3     |            | 0   | 23.1      |                    | 19.5     |            | 0   | 21.1      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 503000             | 507000   | 511000     | MPR | Max Power | 503000             | 507000   | 511000     | MPR | Max Power |
|          |            |               |           | 2515 MHz           | 2535 MHz | 2555 MHz   |     |           | 2515 MHz           | 2535 MHz | 2555 MHz   |     |           |
| 30       | π/2 BPSK   | 1             | 1         |                    | 22.2     |            | 0   | 23.1      |                    | 19.5     |            | 0   | 21.1      |
|          |            | 1             | 158       |                    | 22.4     |            | 0   | 23.1      |                    | 19.8     |            | 0   | 21.1      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 502500             | 507000   | 511500     | MPR | Max Power | 502500             | 507000   | 511500     | MPR | Max Power |
|          |            |               |           | 2512.5 MHz         | 2535 MHz | 2557.5 MHz |     |           | 2512.5 MHz         | 2535 MHz | 2557.5 MHz |     |           |
| 25       | π/2 BPSK   | 1             | 1         |                    | 22.2     |            | 0   | 23.1      |                    | 19.4     |            | 0   | 21.1      |
|          |            | 1             | 131       |                    | 22.2     |            | 0   | 23.1      |                    | 19.5     |            | 0   | 21.1      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 502000             | 507000   | 512000     | MPR | Max Power | 502000             | 507000   | 512000     | MPR | Max Power |
|          |            |               |           | 2510 MHz           | 2535 MHz | 2560 MHz   |     |           | 2510 MHz           | 2535 MHz | 2560 MHz   |     |           |
| 20       | π/2 BPSK   | 1             | 1         |                    | 22.3     |            | 0   | 23.1      |                    | 19.6     |            | 0   | 21.1      |
|          |            | 1             | 104       |                    | 22.2     |            | 0   | 23.1      |                    | 19.5     |            | 0   | 21.1      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 501500             | 507000   | 512500     | MPR | Max Power | 501500             | 507000   | 512500     | MPR | Max Power |
|          |            |               |           | 2507.5 MHz         | 2535 MHz | 2562.5 MHz |     |           | 2507.5 MHz         | 2535 MHz | 2562.5 MHz |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 22.3     |            | 0   | 23.1      |                    | 19.6     |            | 0   | 21.1      |
|          |            | 1             | 77        |                    | 22.3     |            | 0   | 23.1      |                    | 19.4     |            | 0   | 21.1      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 501000             | 507000   | 513000     | MPR | Max Power | 501000             | 507000   | 513000     | MPR | Max Power |
|          |            |               |           | 2505 MHz           | 2535 MHz | 2565 MHz   |     |           | 2505 MHz           | 2535 MHz | 2565 MHz   |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 22.5     |            | 0   | 23.1      |                    | 19.7     |            | 0   | 21.1      |
|          |            | 1             | 50        |                    | 22.5     |            | 0   | 23.1      |                    | 19.7     |            | 0   | 21.1      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |     |           | Mode B Power (dBm) |          |            |     |           |
|          |            |               |           | 500500             | 507000   | 513500     | MPR | Max Power | 500500             | 507000   | 513500     | MPR | Max Power |
|          |            |               |           | 2502.5 MHz         | 2535 MHz | 2567.5 MHz |     |           | 2502.5 MHz         | 2535 MHz | 2567.5 MHz |     |           |
| 5        | π/2 BPSK   | 1             | 1         |                    | 22.5     |            | 0   | 23.1      |                    | 19.5     |            | 0   | 21.1      |
|          |            | 1             | 23        |                    | 22.6     |            | 0   | 23.1      |                    | 19.8     |            | 0   | 21.1      |

**NR Band 7 Measured Results (ANT4, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |          |     |           | Mode B Power (dBm) |          |          |     |           |
|----------|------------|---------------|-----------|--------------------|----------|----------|-----|-----------|--------------------|----------|----------|-----|-----------|
|          |            |               |           | 504000             | 507000   | 510000   | MPR | Max Power | 504000             | 507000   | 510000   | MPR | Max Power |
|          |            |               |           | 2520 MHz           | 2535 MHz | 2550 MHz |     |           | 2520 MHz           | 2535 MHz | 2550 MHz |     |           |
| 40       | π/2 BPSK   | 1             | 1         |                    | 20.0     |          | 0   | 21.5      |                    | 20.1     |          | 0   | 21.2      |
|          |            | 1             | 214       |                    | 20.0     |          | 0   | 21.5      |                    | 20.1     |          | 0   | 21.2      |
|          |            | 108           | 54        |                    | 20.1     |          | 0   | 21.5      |                    | 20.0     |          | 0   | 21.2      |
|          | QPSK       | 1             | 1         |                    | 19.5     |          | 0   | 21.5      |                    | 19.3     |          | 0   | 21.2      |
|          |            | 1             | 214       |                    | 19.5     |          | 0   | 21.5      |                    | 19.3     |          | 0   | 21.2      |
|          |            | 108           | 54        |                    | 19.5     |          | 0   | 21.5      |                    | 19.3     |          | 0   | 21.2      |
| 35       | π/2 BPSK   | 1             | 1         |                    | 19.5     |          | 0   | 21.5      |                    | 19.3     |          | 0   | 21.2      |
|          |            | 1             | 186       |                    | 19.5     |          | 0   | 21.5      |                    | 19.3     |          | 0   | 21.2      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 30       | π/2 BPSK   | 1             | 1         |                    | 19.5     |          | 0   | 21.5      |                    | 19.3     |          | 0   | 21.2      |
|          |            | 1             | 158       |                    | 19.5     |          | 0   | 21.5      |                    | 19.3     |          | 0   | 21.2      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 25       | π/2 BPSK   | 1             | 1         |                    | 19.5     |          | 0   | 21.5      |                    | 19.3     |          | 0   | 21.2      |
|          |            | 1             | 131       |                    | 19.5     |          | 0   | 21.5      |                    | 19.3     |          | 0   | 21.2      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 20       | π/2 BPSK   | 1             | 1         | 19.5               | 19.5     | 19.5     | 0   | 21.5      | 19.3               | 19.3     | 19.3     | 0   | 21.2      |
|          |            | 1             | 104       | 19.5               | 19.5     | 19.5     | 0   | 21.5      | 19.3               | 19.3     | 19.3     | 0   | 21.2      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 15       | π/2 BPSK   | 1             | 1         | 19.5               | 19.5     | 19.5     | 0   | 21.5      | 19.3               | 19.3     | 19.3     | 0   | 21.2      |
|          |            | 1             | 77        | 19.5               | 19.5     | 19.5     | 0   | 21.5      | 19.3               | 19.3     | 19.3     | 0   | 21.2      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 10       | π/2 BPSK   | 1             | 1         | 19.5               | 19.5     | 19.5     | 0   | 21.5      | 19.3               | 19.3     | 19.3     | 0   | 21.2      |
|          |            | 1             | 50        | 19.5               | 19.5     | 19.5     | 0   | 21.5      | 19.3               | 19.3     | 19.3     | 0   | 21.2      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 5        | π/2 BPSK   | 1             | 1         | 19.5               | 19.5     | 19.5     | 0   | 21.5      | 19.3               | 19.3     | 19.3     | 0   | 21.2      |
|          |            | 1             | 23        | 19.5               | 19.5     | 19.5     | 0   | 21.5      | 19.3               | 19.3     | 19.3     | 0   | 21.2      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |

**NR Band 12 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|----------|------------|---------------|-----------|--------------------|-----------|-----------|-----|-----------|--------------------|-----------|-----------|-----|-----------|
|          |            |               |           | 141300             | 141500    | 141700    | MPR | Max Power | 141300             | 141500    | 141700    | MPR | Max Power |
|          |            |               |           | 706.5 MHz          | 707.5 MHz | 708.5 MHz |     |           | 706.5 MHz          | 707.5 MHz | 708.5 MHz |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 24.8      |           | 0   | 25.7      |                    | 24.8      |           | 0   | 25.7      |
|          |            | 1             | 77        |                    | 24.9      |           | 0   | 25.7      |                    | 24.9      |           | 0   | 25.7      |
|          |            | 36            | 22        |                    | 25.1      |           | 0   | 25.7      |                    | 25.1      |           | 0   | 25.7      |
|          | QPSK       | 1             | 1         |                    | 24.7      |           | 0   | 25.7      |                    | 24.7      |           | 0   | 25.7      |
|          |            | 1             | 77        |                    | 24.8      |           | 0   | 25.7      |                    | 24.8      |           | 0   | 25.7      |
|          |            | 36            | 22        |                    | 25.3      |           | 0   | 25.7      |                    | 25.3      |           | 0   | 25.7      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|          |            |               |           | 140800             | 141500    | 142200    | MPR | Max Power | 140800             | 141500    | 142200    | MPR | Max Power |
|          |            |               |           | 704 MHz            | 707.5 MHz | 711 MHz   |     |           | 704 MHz            | 707.5 MHz | 711 MHz   |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 24.6      |           | 0   | 25.7      |                    | 24.6      |           | 0   | 25.7      |
|          |            | 1             | 50        |                    | 24.5      |           | 0   | 25.7      |                    | 24.5      |           | 0   | 25.7      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|          |            |               |           | 140300             | 141500    | 142700    | MPR | Max Power | 140300             | 141500    | 142700    | MPR | Max Power |
|          |            |               |           | 701.5 MHz          | 707.5 MHz | 713.5 MHz |     |           | 701.5 MHz          | 707.5 MHz | 713.5 MHz |     |           |
| 5        | π/2 BPSK   | 1             | 1         |                    | 24.4      |           | 0   | 25.7      |                    | 24.4      |           | 0   | 25.7      |
|          |            | 1             | 23        |                    | 24.5      |           | 0   | 25.7      |                    | 24.5      |           | 0   | 25.7      |

**NR Band 12 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|----------|------------|---------------|-----------|--------------------|-----------|-----------|-----|-----------|--------------------|-----------|-----------|-----|-----------|
|          |            |               |           | 141300             | 141500    | 141700    | MPR | Max Power | 141300             | 141500    | 141700    | MPR | Max Power |
|          |            |               |           | 706.5 MHz          | 707.5 MHz | 708.5 MHz |     |           | 706.5 MHz          | 707.5 MHz | 708.5 MHz |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 23.2      |           | 0   | 24.7      |                    | 23.2      |           | 0   | 24.7      |
|          |            | 1             | 77        |                    | 23.1      |           | 0   | 24.7      |                    | 23.1      |           | 0   | 24.7      |
|          |            | 36            | 22        |                    | 23.9      |           | 0   | 24.7      |                    | 23.9      |           | 0   | 24.7      |
|          | QPSK       | 1             | 1         |                    | 23.4      |           | 0   | 24.7      |                    | 23.4      |           | 0   | 24.7      |
|          |            | 1             | 77        |                    | 23.3      |           | 0   | 24.7      |                    | 23.3      |           | 0   | 24.7      |
|          |            | 36            | 22        |                    | 23.9      |           | 0   | 24.7      |                    | 23.9      |           | 0   | 24.7      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|          |            |               |           | 140800             | 141500    | 142200    | MPR | Max Power | 140800             | 141500    | 142200    | MPR | Max Power |
|          |            |               |           | 704 MHz            | 707.5 MHz | 711 MHz   |     |           | 704 MHz            | 707.5 MHz | 711 MHz   |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 23.3      |           | 0   | 24.7      |                    | 23.3      |           | 0   | 24.7      |
|          |            | 1             | 50        |                    | 23.4      |           | 0   | 24.7      |                    | 23.4      |           | 0   | 24.7      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|          |            |               |           | 140300             | 141500    | 142700    | MPR | Max Power | 140300             | 141500    | 142700    | MPR | Max Power |
|          |            |               |           | 701.5 MHz          | 707.5 MHz | 713.5 MHz |     |           | 701.5 MHz          | 707.5 MHz | 713.5 MHz |     |           |
| 5        | π/2 BPSK   | 1             | 1         |                    | 23.2      |           | 0   | 24.7      |                    | 23.2      |           | 0   | 24.7      |
|          |            | 1             | 23        |                    | 23.3      |           | 0   | 24.7      |                    | 23.3      |           | 0   | 24.7      |

**NR Band 14 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |         |           |     |           | Mode B Power (dBm) |         |           |     |           |
|----------|------------|---------------|-----------|--------------------|---------|-----------|-----|-----------|--------------------|---------|-----------|-----|-----------|
|          |            |               |           | 158600             | 158600  | 159100    | MPR | Max Power | 158600             | 158600  | 159100    | MPR | Max Power |
|          |            |               |           | 793 MHz            | 793 MHz | 795.5 MHz |     |           | 793 MHz            | 793 MHz | 795.5 MHz |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 25.1    |           | 0   | 25.7      |                    | 25.1    |           | 0   | 25.7      |
|          |            | 1             | 50        |                    | 24.9    |           | 0   | 25.7      |                    | 24.9    |           | 0   | 25.7      |
|          |            | 25            | 14        |                    | 25.3    |           | 0   | 25.7      |                    | 25.3    |           | 0   | 25.7      |
|          | QPSK       | 1             | 1         |                    | 24.8    |           | 0   | 25.7      |                    | 24.8    |           | 0   | 25.7      |
|          |            | 1             | 50        |                    | 24.7    |           | 0   | 25.7      |                    | 24.7    |           | 0   | 25.7      |
|          |            | 25            | 14        |                    | 25.3    |           | 0   | 25.7      |                    | 25.3    |           | 0   | 25.7      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |         |           |     |           | Mode B Power (dBm) |         |           |     |           |
|          |            |               |           | 158100             | 158600  | 159100    | MPR | Max Power | 158100             | 158600  | 159100    | MPR | Max Power |
|          |            |               |           | 790.5 MHz          | 793 MHz | 795.5 MHz |     |           | 790.5 MHz          | 793 MHz | 795.5 MHz |     |           |
| 5        | π/2 BPSK   | 1             | 1         |                    | 24.8    |           | 0   | 25.7      |                    | 24.8    |           | 0   | 25.7      |
|          |            | 1             | 23        |                    | 24.7    |           | 0   | 25.7      |                    | 24.7    |           | 0   | 25.7      |



**NR Band 14 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |         |     |           |        | Mode B Power (dBm) |     |           |  |  |
|----------|------------|---------------|-----------|--------------------|---------|-----|-----------|--------|--------------------|-----|-----------|--|--|
|          |            |               |           | 158600             | 793 MHz | MPR | Max Power | 158600 | 793 MHz            | MPR | Max Power |  |  |
| 10       | π/2 BPSK   | 1             | 1         | 22.4               |         | 0   | 23.7      | 23.7   |                    | 0   | 24.7      |  |  |
|          |            | 1             | 50        | 22.3               |         | 0   | 23.7      | 23.7   |                    | 0   | 24.7      |  |  |
|          |            | 25            | 14        | 22.7               |         | 0   | 23.7      | 23.7   |                    | 0   | 24.7      |  |  |
|          | QPSK       | 1             | 1         | 22.6               |         | 0   | 23.7      | 23.4   |                    | 0   | 24.7      |  |  |
|          |            | 1             | 50        | 22.5               |         | 0   | 23.7      | 23.1   |                    | 0   | 24.7      |  |  |
|          |            | 25            | 14        | 22.6               |         | 0   | 23.7      | 23.8   |                    | 0   | 24.7      |  |  |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |         |           |      |           | Mode B Power (dBm) |         |           |     |           |
|----------|------------|---------------|-----------|--------------------|---------|-----------|------|-----------|--------------------|---------|-----------|-----|-----------|
|          |            |               |           | 158100             | 158600  | 159100    | MPR  | Max Power | 158100             | 158600  | 159100    | MPR | Max Power |
| 5        | π/2 BPSK   | 1             | 1         | 790.5 MHz          | 793 MHz | 795.5 MHz | 0    | 23.7      | 790.5 MHz          | 793 MHz | 795.5 MHz | 0   | 24.7      |
|          |            | 1             | 23        | 22.6               |         | 0         | 23.7 | 23.1      |                    | 0       | 24.7      |     |           |

**NR Band 25 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |          |      |           | Mode B Power (dBm) |            |          |     |           |
|----------|------------|---------------|-----------|--------------------|------------|----------|------|-----------|--------------------|------------|----------|-----|-----------|
|          |            |               |           | 374000             | 376500     | 379000   | MPR  | Max Power | 374000             | 376500     | 379000   | MPR | Max Power |
| 40       | π/2 BPSK   | 1             | 1         | 1870 MHz           | 1882.5 MHz | 1895 MHz | 0    | 25.7      | 1870 MHz           | 1882.5 MHz | 1895 MHz | 0   | 19.7      |
|          |            | 1             | 214       | 24.9               |            | 0        | 25.7 | 18.2      |                    | 0          | 19.7     |     |           |
|          |            | 108           | 54        | 24.6               |            | 0        | 25.7 | 18.2      |                    | 0          | 19.7     |     |           |
|          | QPSK       | 1             | 1         | 25.2               |            | 0        | 25.7 | 18.2      |                    | 0          | 19.7     |     |           |
|          |            | 1             | 214       | 26.0               |            | 0        | 25.7 | 18.5      |                    | 0          | 19.7     |     |           |
|          |            | 108           | 54        | 24.6               |            | 0        | 25.7 | 18.4      |                    | 0          | 19.7     |     |           |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |            |      |           | Mode B Power (dBm) |            |            |     |           |
|----------|------------|---------------|-----------|--------------------|------------|------------|------|-----------|--------------------|------------|------------|-----|-----------|
|          |            |               |           | 373500             | 376500     | 379500     | MPR  | Max Power | 373500             | 376500     | 379500     | MPR | Max Power |
| 35       | π/2 BPSK   | 1             | 1         | 1867.5 MHz         | 1882.5 MHz | 1897.5 MHz | 0    | 25.7      | 1867.5 MHz         | 1882.5 MHz | 1897.5 MHz | 0   | 19.7      |
|          |            | 1             | 186       | 24.6               |            | 0          | 25.7 | 18.4      |                    | 0          | 19.7       |     |           |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |          |      |           | Mode B Power (dBm) |            |          |     |           |
|----------|------------|---------------|-----------|--------------------|------------|----------|------|-----------|--------------------|------------|----------|-----|-----------|
|          |            |               |           | 373000             | 376500     | 380000   | MPR  | Max Power | 373000             | 376500     | 380000   | MPR | Max Power |
| 30       | π/2 BPSK   | 1             | 1         | 1865 MHz           | 1882.5 MHz | 1900 MHz | 0    | 25.7      | 1865 MHz           | 1882.5 MHz | 1900 MHz | 0   | 19.7      |
|          |            | 1             | 158       | 24.8               |            | 0        | 25.7 | 18.5      |                    | 0          | 19.7     |     |           |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |            |      |           | Mode B Power (dBm) |            |            |     |           |
|----------|------------|---------------|-----------|--------------------|------------|------------|------|-----------|--------------------|------------|------------|-----|-----------|
|          |            |               |           | 372500             | 376500     | 380500     | MPR  | Max Power | 372500             | 376500     | 380500     | MPR | Max Power |
| 25       | π/2 BPSK   | 1             | 1         | 1862.5 MHz         | 1882.5 MHz | 1902.5 MHz | 0    | 25.7      | 1862.5 MHz         | 1882.5 MHz | 1902.5 MHz | 0   | 19.7      |
|          |            | 1             | 131       | 24.6               |            | 0          | 25.7 | 18.4      |                    | 0          | 19.7       |     |           |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |          |     |           | Mode B Power (dBm) |            |          |     |           |
|----------|------------|---------------|-----------|--------------------|------------|----------|-----|-----------|--------------------|------------|----------|-----|-----------|
|          |            |               |           | 372000             | 376500     | 381000   | MPR | Max Power | 372000             | 376500     | 381000   | MPR | Max Power |
| 20       | π/2 BPSK   | 1             | 1         | 1860 MHz           | 1882.5 MHz | 1905 MHz | 0   | 25.7      | 1860 MHz           | 1882.5 MHz | 1905 MHz | 0   | 19.7      |
|          |            | 1             | 104       | 24.6               | 24.8       | 24.5     | 0   | 25.7      | 18.4               | 18.5       | 18.5     | 0   | 19.7      |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |            |     |           | Mode B Power (dBm) |            |            |     |           |
|----------|------------|---------------|-----------|--------------------|------------|------------|-----|-----------|--------------------|------------|------------|-----|-----------|
|          |            |               |           | 371500             | 376500     | 381500     | MPR | Max Power | 371500             | 376500     | 381500     | MPR | Max Power |
| 15       | π/2 BPSK   | 1             | 1         | 1857.5 MHz         | 1882.5 MHz | 1907.5 MHz | 0   | 25.7      | 1857.5 MHz         | 1882.5 MHz | 1907.5 MHz | 0   | 19.7      |
|          |            | 1             | 77        | 24.9               | 24.7       | 24.7       | 0   | 25.7      | 18.7               | 18.5       | 18.8       | 0   | 19.7      |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |          |     |           | Mode B Power (dBm) |            |          |     |           |
|----------|------------|---------------|-----------|--------------------|------------|----------|-----|-----------|--------------------|------------|----------|-----|-----------|
|          |            |               |           | 371000             | 376500     | 382000   | MPR | Max Power | 371000             | 376500     | 382000   | MPR | Max Power |
| 10       | π/2 BPSK   | 1             | 1         | 1855 MHz           | 1882.5 MHz | 1910 MHz | 0   | 25.7      | 1855 MHz           | 1882.5 MHz | 1910 MHz | 0   | 19.7      |
|          |            | 1             | 50        | 25.1               | 25.1       | 24.9     | 0   | 25.7      | 18.8               | 18.7       | 18.6     | 0   | 19.7      |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |            |     |           | Mode B Power (dBm) |            |            |     |           |
|----------|------------|---------------|-----------|--------------------|------------|------------|-----|-----------|--------------------|------------|------------|-----|-----------|
|          |            |               |           | 370500             | 376500     | 382500     | MPR | Max Power | 370500             | 376500     | 382500     | MPR | Max Power |
| 5        | π/2 BPSK   | 1             | 1         | 1852.5 MHz         | 1882.5 MHz | 1912.5 MHz | 0   | 25.7      | 1852.5 MHz         | 1882.5 MHz | 1912.5 MHz | 0   | 19.7      |
|          |            | 1             | 23        | 25.0               | 25.0       | 24.8       | 0   | 25.7      | 18.6               | 18.7       | 18.6       | 0   | 19.7      |

**NR Band 25 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |          |     |           | Mode B Power (dBm) |            |          |     |           |
|----------|------------|---------------|-----------|--------------------|------------|----------|-----|-----------|--------------------|------------|----------|-----|-----------|
|          |            |               |           | 374000             | 376500     | 379000   | MPR | Max Power | 374000             | 376500     | 379000   | MPR | Max Power |
|          |            |               |           | 1870 MHz           | 1882.5 MHz | 1895 MHz |     |           | 1870 MHz           | 1882.5 MHz | 1895 MHz |     |           |
| 40       | π/2 BPSK   | 1             | 1         |                    | 20.0       |          | 0   | 21        |                    | 20.3       |          | 0   | 21.3      |
|          |            | 1             | 214       |                    | 19.4       |          | 0   | 21        |                    | 20.3       |          | 0   | 21.3      |
|          |            | 108           | 54        |                    | 19.8       |          | 0   | 21        |                    | 20.1       |          | 0   | 21.3      |
|          | QPSK       | 1             | 1         |                    | 20.0       |          | 0   | 21        |                    | 20.2       |          | 0   | 21.3      |
|          |            | 1             | 214       |                    | 18.7       |          | 0   | 21        |                    | 20.0       |          | 0   | 21.3      |
|          |            | 108           | 54        |                    | 19.6       |          | 0   | 21        |                    | 19.9       |          | 0   | 21.3      |
| 35       | π/2 BPSK   | 1             | 1         |                    | 19.8       |          | 0   | 21        |                    | 20.0       |          | 0   | 21.3      |
|          |            | 1             | 186       |                    | 19.8       |          | 0   | 21        |                    | 20.0       |          | 0   | 21.3      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 30       | π/2 BPSK   | 1             | 1         |                    | 19.9       |          | 0   | 21        |                    | 19.9       |          | 0   | 21.3      |
|          |            | 1             | 158       |                    | 19.8       |          | 0   | 21        |                    | 20.0       |          | 0   | 21.3      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 25       | π/2 BPSK   | 1             | 1         |                    | 19.7       |          | 0   | 21        |                    | 20.0       |          | 0   | 21.3      |
|          |            | 1             | 131       |                    | 19.7       |          | 0   | 21        |                    | 19.9       |          | 0   | 21.3      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 20       | π/2 BPSK   | 1             | 1         | 19.8               | 19.8       | 19.7     | 0   | 21        | 20.1               | 20.1       | 20.0     | 0   | 21.3      |
|          |            | 1             | 104       | 19.8               | 19.7       | 19.6     | 0   | 21        | 20.1               | 20.0       | 20.0     | 0   | 21.3      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 15       | π/2 BPSK   | 1             | 1         | 19.7               | 19.8       | 19.7     | 0   | 21        | 19.7               | 19.6       | 19.5     | 0   | 21.3      |
|          |            | 1             | 77        | 19.8               | 19.8       | 19.7     | 0   | 21        | 19.7               | 19.7       | 19.4     | 0   | 21.3      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 10       | π/2 BPSK   | 1             | 1         | 19.4               | 19.3       | 19.3     | 0   | 21        | 19.8               | 19.7       | 19.6     | 0   | 21.3      |
|          |            | 1             | 50        | 19.4               | 19.3       | 19.1     | 0   | 21        | 19.8               | 19.7       | 19.4     | 0   | 21.3      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 5        | π/2 BPSK   | 1             | 1         | 19.3               | 19.3       | 19.1     | 0   | 21        | 19.7               | 19.6       | 19.4     | 0   | 21.3      |
|          |            | 1             | 23        | 19.4               | 19.3       | 19.1     | 0   | 21        | 19.7               | 19.6       | 19.3     | 0   | 21.3      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |

**NR Band 25 Measured Results (ANT3, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |          |     |           | Mode B Power (dBm) |            |          |     |           |
|----------|------------|---------------|-----------|--------------------|------------|----------|-----|-----------|--------------------|------------|----------|-----|-----------|
|          |            |               |           | 374000             | 376500     | 379000   | MPR | Max Power | 374000             | 376500     | 379000   | MPR | Max Power |
|          |            |               |           | 1870 MHz           | 1882.5 MHz | 1895 MHz |     |           | 1870 MHz           | 1882.5 MHz | 1895 MHz |     |           |
| 40       | π/2 BPSK   | 1             | 1         |                    | 23.6       |          | 0   | 24.5      |                    | 21.2       |          | 0   | 21.8      |
|          |            | 1             | 214       |                    | 23.5       |          | 0   | 24.5      |                    | 21.1       |          | 0   | 21.8      |
|          |            | 108           | 54        |                    | 23.8       |          | 0   | 24.5      |                    | 21.3       |          | 0   | 21.8      |
|          | QPSK       | 1             | 1         |                    | 23.7       |          | 0   | 24.5      |                    | 21.0       |          | 0   | 21.8      |
|          |            | 1             | 214       |                    | 23.7       |          | 0   | 24.5      |                    | 21.1       |          | 0   | 21.8      |
|          |            | 108           | 54        |                    | 24.0       |          | 0   | 24.5      |                    | 21.5       |          | 0   | 21.8      |
| 35       | π/2 BPSK   | 1             | 1         |                    | 23.4       |          | 0   | 24.5      |                    | 21.0       |          | 0   | 21.8      |
|          |            | 1             | 186       |                    | 23.7       |          | 0   | 24.5      |                    | 21.1       |          | 0   | 21.8      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 30       | π/2 BPSK   | 1             | 1         |                    | 23.8       |          | 0   | 24.5      |                    | 21.2       |          | 0   | 21.8      |
|          |            | 1             | 158       |                    | 23.8       |          | 0   | 24.5      |                    | 21.2       |          | 0   | 21.8      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 25       | π/2 BPSK   | 1             | 1         |                    | 23.5       |          | 0   | 24.5      |                    | 20.9       |          | 0   | 21.8      |
|          |            | 1             | 131       |                    | 23.6       |          | 0   | 24.5      |                    | 21.1       |          | 0   | 21.8      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 20       | π/2 BPSK   | 1             | 1         | 23.5               | 23.5       | 23.7     | 0   | 24.5      | 20.9               | 20.9       | 21.1     | 0   | 21.8      |
|          |            | 1             | 104       | 23.7               | 23.7       | 23.4     | 0   | 24.5      | 21.2               | 21.1       | 20.9     | 0   | 21.8      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 15       | π/2 BPSK   | 1             | 1         | 23.5               | 23.5       | 23.6     | 0   | 24.5      | 21.0               | 21.0       | 21.1     | 0   | 21.8      |
|          |            | 1             | 77        | 23.7               | 23.7       | 23.4     | 0   | 24.5      | 21.0               | 21.1       | 20.9     | 0   | 21.8      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 10       | π/2 BPSK   | 1             | 1         | 23.7               | 23.8       | 23.5     | 0   | 24.5      | 21.2               | 21.3       | 21.1     | 0   | 21.8      |
|          |            | 1             | 50        | 23.9               | 23.8       | 23.4     | 0   | 24.5      | 21.2               | 21.3       | 20.9     | 0   | 21.8      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 5        | π/2 BPSK   | 1             | 1         | 23.5               | 23.7       | 23.7     | 0   | 24.5      | 21.0               | 21.1       | 21.0     | 0   | 21.8      |
|          |            | 1             | 23        | 23.6               | 23.7       | 23.4     | 0   | 24.5      | 21.0               | 21.1       | 21.0     | 0   | 21.8      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |

**NR Band 25 Measured Results (ANT4, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |          |     |           | Mode B Power (dBm) |            |          |     |           |
|----------|------------|---------------|-----------|--------------------|------------|----------|-----|-----------|--------------------|------------|----------|-----|-----------|
|          |            |               |           | 374000             | 376500     | 379000   | MPR | Max Power | 374000             | 376500     | 379000   | MPR | Max Power |
|          |            |               |           | 1870 MHz           | 1882.5 MHz | 1895 MHz |     |           | 1870 MHz           | 1882.5 MHz | 1895 MHz |     |           |
| 40       | π/2 BPSK   | 1             | 1         |                    | 18.3       |          | 0   | 19.6      |                    | 20.1       |          | 0   | 21.7      |
|          |            | 1             | 214       |                    | 18.3       |          | 0   | 19.6      |                    | 20.1       |          | 0   | 21.7      |
|          |            | 108           | 54        |                    | 18.5       |          | 0   | 19.6      |                    | 20.2       |          | 0   | 21.7      |
|          | QPSK       | 1             | 1         |                    | 18.4       |          | 0   | 19.6      |                    | 19.7       |          | 0   | 21.7      |
|          |            | 1             | 214       |                    | 18.5       |          | 0   | 19.6      |                    | 19.8       |          | 0   | 21.7      |
|          |            | 108           | 54        |                    | 18.6       |          | 0   | 19.6      |                    | 19.8       |          | 0   | 21.7      |
| 35       | π/2 BPSK   | 1             | 1         |                    | 18.6       |          | 0   | 19.6      |                    | 19.9       |          | 0   | 21.7      |
|          |            | 1             | 186       |                    | 18.6       |          | 0   | 19.6      |                    | 19.7       |          | 0   | 21.7      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 30       | π/2 BPSK   | 1             | 1         |                    | 18.7       |          | 0   | 19.6      |                    | 19.8       |          | 0   | 21.7      |
|          |            | 1             | 158       |                    | 18.6       |          | 0   | 19.6      |                    | 19.8       |          | 0   | 21.7      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 25       | π/2 BPSK   | 1             | 1         |                    | 18.5       |          | 0   | 19.6      |                    | 19.8       |          | 0   | 21.7      |
|          |            | 1             | 131       |                    | 18.5       |          | 0   | 19.6      |                    | 19.7       |          | 0   | 21.7      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 20       | π/2 BPSK   | 1             | 1         |                    | 18.2       |          | 0   | 19.6      |                    | 19.7       |          | 0   | 21.7      |
|          |            | 1             | 104       |                    | 18.6       |          | 0   | 19.6      |                    | 19.8       |          | 0   | 21.7      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 18.3       |          | 0   | 19.6      |                    | 19.7       |          | 0   | 21.7      |
|          |            | 1             | 77        |                    | 18.6       |          | 0   | 19.6      |                    | 19.9       |          | 0   | 21.7      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 18.4       |          | 0   | 19.6      |                    | 19.8       |          | 0   | 21.7      |
|          |            | 1             | 50        |                    | 18.5       |          | 0   | 19.6      |                    | 19.9       |          | 0   | 21.7      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |
| 5        | π/2 BPSK   | 1             | 1         |                    | 18.3       |          | 0   | 19.6      |                    | 19.7       |          | 0   | 21.7      |
|          |            | 1             | 23        |                    | 18.4       |          | 0   | 19.6      |                    | 19.7       |          | 0   | 21.7      |
|          |            |               |           |                    |            |          |     |           |                    |            |          |     |           |

**NR Band 26 Measured Results (ANT1, Power State 1)**

| BW (MHz)  | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |           |           | Mode B Power (dBm) |           |           |      |           |      |
|-----------|------------|---------------|-----------|--------------------|-----------|-----------|-----------|-----------|--------------------|-----------|-----------|------|-----------|------|
|           |            |               |           | 164800             | 166300    | 167800    | MPR       | Max Power | 164800             | 166300    | 167800    | MPR  | Max Power |      |
|           |            |               |           | 824 MHz            | 831.5 MHz | 839 MHz   |           |           | 824 MHz            | 831.5 MHz | 839 MHz   |      |           |      |
| 20        | π/2 BPSK   | 1             | 1         |                    | 25.1      |           | 0         | 25.7      |                    | 25.1      |           | 0    | 25.7      |      |
|           |            | 1             | 104       |                    | 25.1      |           | 0         | 25.7      |                    | 25.1      |           | 0    | 25.7      |      |
|           |            | 50            | 28        |                    | 25.3      |           | 0         | 25.7      |                    | 25.3      |           | 0    | 25.7      |      |
|           | QPSK       | 1             | 1         |                    | 25.0      |           | 0         | 25.7      |                    | 25.0      |           | 0    | 25.7      |      |
|           |            | 1             | 104       |                    | 24.9      |           | 0         | 25.7      |                    | 24.9      |           | 0    | 25.7      |      |
|           |            | 50            | 28        |                    | 25.3      |           | 0         | 25.7      |                    | 25.3      |           | 0    | 25.7      |      |
| 15        | π/2 BPSK   | 1             | 1         |                    | 24.7      |           | 0         | 25.7      |                    | 24.7      |           | 0    | 25.7      |      |
|           |            | 1             | 77        |                    | 24.8      |           | 0         | 25.7      |                    | 24.8      |           | 0    | 25.7      |      |
|           |            | 163800        | 166300    | 168800             | MPR       | Max Power | 163800    | 166300    | 168800             | MPR       | Max Power |      |           |      |
| 819 MHz   | 831.5 MHz  | 844 MHz       | 819 MHz   | 831.5 MHz          |           |           | 844 MHz   |           |                    |           |           |      |           |      |
| 10        | π/2 BPSK   | 1             | 1         |                    | 24.9      |           | 0         | 25.7      |                    | 24.9      |           | 0    | 25.7      |      |
|           |            | 1             | 50        |                    | 25.0      |           | 0         | 25.7      |                    | 25.0      |           | 0    | 25.7      |      |
|           |            | 163300        | 166300    | 169300             | MPR       | Max Power | 163300    | 166300    | 169300             | MPR       | Max Power |      |           |      |
| 816.5 MHz | 831.5 MHz  | 846.5 MHz     | 816.5 MHz | 831.5 MHz          |           |           | 846.5 MHz |           |                    |           |           |      |           |      |
| 5         | π/2 BPSK   | 1             | 1         |                    | 24.9      |           | 0         | 25.7      |                    | 24.9      |           | 0    | 25.7      |      |
|           |            | 1             | 23        |                    | 24.9      | 25.0      | 24.9      | 0         | 25.7               | 24.9      | 25.0      | 24.9 | 0         | 25.7 |

**NR Band 26 Measured Results (ANT2, Power State 1)**

| BW (MHz)  | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |           |           | Mode B Power (dBm) |           |           |      |           |      |
|-----------|------------|---------------|-----------|--------------------|-----------|-----------|-----------|-----------|--------------------|-----------|-----------|------|-----------|------|
|           |            |               |           | 164800             | 166300    | 167800    | MPR       | Max Power | 164800             | 166300    | 167800    | MPR  | Max Power |      |
|           |            |               |           | 824 MHz            | 831.5 MHz | 839 MHz   |           |           | 824 MHz            | 831.5 MHz | 839 MHz   |      |           |      |
| 20        | π/2 BPSK   | 1             | 1         |                    | 22.4      |           | 0         | 23.5      |                    | 23.7      |           | 0    | 24.7      |      |
|           |            | 1             | 104       |                    | 22.5      |           | 0         | 23.5      |                    | 23.7      |           | 0    | 24.7      |      |
|           |            | 50            | 28        |                    | 22.5      |           | 0         | 23.5      |                    | 23.9      |           | 0    | 24.7      |      |
|           | QPSK       | 1             | 1         |                    | 22.4      |           | 0         | 23.5      |                    | 23.4      |           | 0    | 24.7      |      |
|           |            | 1             | 104       |                    | 22.4      |           | 0         | 23.5      |                    | 23.4      |           | 0    | 24.7      |      |
|           |            | 50            | 28        |                    | 22.3      |           | 0         | 23.5      |                    | 23.7      |           | 0    | 24.7      |      |
| 15        | π/2 BPSK   | 1             | 1         |                    | 23.1      |           | 0         | 23.5      |                    | 24.0      |           | 0    | 24.7      |      |
|           |            | 1             | 77        |                    | 23.0      |           | 0         | 23.5      |                    | 24.1      |           | 0    | 24.7      |      |
|           |            | 163800        | 166300    | 168800             | MPR       | Max Power | 163800    | 166300    | 168800             | MPR       | Max Power |      |           |      |
| 819 MHz   | 831.5 MHz  | 844 MHz       | 819 MHz   | 831.5 MHz          |           |           | 844 MHz   |           |                    |           |           |      |           |      |
| 10        | π/2 BPSK   | 1             | 1         |                    | 23.2      |           | 0         | 23.5      |                    | 24.1      |           | 0    | 24.7      |      |
|           |            | 1             | 50        |                    | 23.2      |           | 0         | 23.5      |                    | 24.2      |           | 0    | 24.7      |      |
|           |            | 163300        | 166300    | 169300             | MPR       | Max Power | 163300    | 166300    | 169300             | MPR       | Max Power |      |           |      |
| 816.5 MHz | 831.5 MHz  | 846.5 MHz     | 816.5 MHz | 831.5 MHz          |           |           | 846.5 MHz |           |                    |           |           |      |           |      |
| 5         | π/2 BPSK   | 1             | 1         |                    | 23.2      |           | 0         | 23.5      |                    | 24.1      |           | 0    | 24.7      |      |
|           |            | 1             | 23        |                    | 23.1      | 23.1      | 23.1      | 0         | 23.5               | 24.1      | 24.0      | 24.0 | 0         | 24.7 |

**NR Band 30 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |           | Mode B Power (dBm) |            |          |            |     |           |
|----------|------------|---------------|-----------|--------------------|----------|------------|-----------|--------------------|------------|----------|------------|-----|-----------|
|          |            |               |           | 462000             | 2310 MHz | MPR        | Max Power | 462000             | 2310 MHz   | MPR      | Max Power  |     |           |
| 10       | π/2 BPSK   | 1             | 1         | 24.8               |          | 0          | 25.7      | 21.8               |            | 0        | 22.9       |     |           |
|          |            | 1             | 50        | 24.6               |          | 0          | 25.7      | 21.7               |            | 0        | 22.9       |     |           |
|          |            | 25            | 14        | 25.0               |          | 0          | 25.7      | 21.9               |            | 0        | 22.9       |     |           |
|          | QPSK       | 1             | 1         | 24.3               |          | 0          | 25.7      | 21.5               |            | 0        | 22.9       |     |           |
|          |            | 1             | 50        | 24.1               |          | 0          | 25.7      | 21.5               |            | 0        | 22.9       |     |           |
|          |            | 25            | 14        | 25.3               |          | 0          | 25.7      | 21.2               |            | 0        | 22.9       |     |           |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |           | Mode B Power (dBm) |            |          |            |     |           |
|          |            |               |           | 461500             | 462000   | 462500     | MPR       | Max Power          | 461500     | 462000   | 462500     | MPR | Max Power |
| 5        | π/2 BPSK   | 1             | 1         | 2307.5 MHz         | 2310 MHz | 2312.5 MHz | 0         | 25.7               | 2307.5 MHz | 2310 MHz | 2312.5 MHz | 0   | 22.9      |
|          |            | 1             | 23        | 24.2               |          | 0          | 25.7      | 21.7               |            | 0        | 22.9       |     |           |

**NR Band 30 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |           | Mode B Power (dBm) |            |          |            |     |           |
|----------|------------|---------------|-----------|--------------------|----------|------------|-----------|--------------------|------------|----------|------------|-----|-----------|
|          |            |               |           | 462000             | 2310 MHz | MPR        | Max Power | 462000             | 2310 MHz   | MPR      | Max Power  |     |           |
| 10       | π/2 BPSK   | 1             | 1         | 18.6               |          | 0          | 20.4      | 17.5               |            | 0        | 19.2       |     |           |
|          |            | 1             | 50        | 18.7               |          | 0          | 20.4      | 17.5               |            | 0        | 19.2       |     |           |
|          |            | 25            | 14        | 18.7               |          | 0          | 20.4      | 17.5               |            | 0        | 19.2       |     |           |
|          | QPSK       | 1             | 1         | 18.6               |          | 0          | 20.4      | 17.4               |            | 0        | 19.2       |     |           |
|          |            | 1             | 50        | 18.6               |          | 0          | 20.4      | 17.4               |            | 0        | 19.2       |     |           |
|          |            | 25            | 14        | 18.6               |          | 0          | 20.4      | 17.3               |            | 0        | 19.2       |     |           |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |           | Mode B Power (dBm) |            |          |            |     |           |
|          |            |               |           | 461500             | 462000   | 462500     | MPR       | Max Power          | 461500     | 462000   | 462500     | MPR | Max Power |
| 5        | π/2 BPSK   | 1             | 1         | 2307.5 MHz         | 2310 MHz | 2312.5 MHz | 0         | 20.4               | 2307.5 MHz | 2310 MHz | 2312.5 MHz | 0   | 19.2      |
|          |            | 1             | 23        | 18.6               |          | 0          | 20.4      | 17.3               |            | 0        | 19.2       |     |           |

**NR Band 30 Measured Results (ANT3, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |           | Mode B Power (dBm) |            |          |            |     |           |
|----------|------------|---------------|-----------|--------------------|----------|------------|-----------|--------------------|------------|----------|------------|-----|-----------|
|          |            |               |           | 462000             | 2310 MHz | MPR        | Max Power | 462000             | 2310 MHz   | MPR      | Max Power  |     |           |
| 10       | π/2 BPSK   | 1             | 1         | 20.0               |          | 0          | 20.4      | 18.2               |            | 0        | 19.9       |     |           |
|          |            | 1             | 50        | 20.1               |          | 0          | 20.4      | 18.5               |            | 0        | 19.9       |     |           |
|          |            | 25            | 14        | 20.1               |          | 0          | 20.4      | 18.6               |            | 0        | 19.9       |     |           |
|          | QPSK       | 1             | 1         | 19.4               |          | 0          | 20.4      | 17.9               |            | 0        | 19.9       |     |           |
|          |            | 1             | 50        | 19.2               |          | 0          | 20.4      | 17.9               |            | 0        | 19.9       |     |           |
|          |            | 25            | 14        | 19.3               |          | 0          | 20.4      | 17.9               |            | 0        | 19.9       |     |           |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |           | Mode B Power (dBm) |            |          |            |     |           |
|          |            |               |           | 461500             | 462000   | 462500     | MPR       | Max Power          | 461500     | 462000   | 462500     | MPR | Max Power |
| 5        | π/2 BPSK   | 1             | 1         | 2307.5 MHz         | 2310 MHz | 2312.5 MHz | 0         | 20.4               | 2307.5 MHz | 2310 MHz | 2312.5 MHz | 0   | 19.9      |
|          |            | 1             | 23        | 19.4               |          | 0          | 20.4      | 17.9               |            | 0        | 19.9       |     |           |

**NR Band 30 Measured Results (ANT4, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |           | Mode B Power (dBm) |            |          |            |     |           |
|----------|------------|---------------|-----------|--------------------|----------|------------|-----------|--------------------|------------|----------|------------|-----|-----------|
|          |            |               |           | 462000             | 2310 MHz | MPR        | Max Power | 462000             | 2310 MHz   | MPR      | Max Power  |     |           |
| 10       | π/2 BPSK   | 1             | 1         | 22.9               |          | 0          | 24        | 21.5               |            | 0        | 22.3       |     |           |
|          |            | 1             | 50        | 22.8               |          | 0          | 24        | 21.5               |            | 0        | 22.3       |     |           |
|          |            | 25            | 14        | 23.0               |          | 0          | 24        | 21.6               |            | 0        | 22.3       |     |           |
|          | QPSK       | 1             | 1         | 22.9               |          | 0          | 24        | 21.5               |            | 0        | 22.3       |     |           |
|          |            | 1             | 50        | 23.0               |          | 0          | 24        | 21.4               |            | 0        | 22.3       |     |           |
|          |            | 25            | 14        | 23.0               |          | 0          | 24        | 21.4               |            | 0        | 22.3       |     |           |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |            |           | Mode B Power (dBm) |            |          |            |     |           |
|          |            |               |           | 461500             | 462000   | 462500     | MPR       | Max Power          | 461500     | 462000   | 462500     | MPR | Max Power |
| 5        | π/2 BPSK   | 1             | 1         | 2307.5 MHz         | 2310 MHz | 2312.5 MHz | 0         | 24                 | 2307.5 MHz | 2310 MHz | 2312.5 MHz | 0   | 22.3      |
|          |            | 1             | 23        | 23.0               |          | 0          | 24        | 21.6               |            | 0        | 22.3       |     |           |

**NR Band 41 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm)    |                    |                      |                       |                       |                       | Mode B Power (dBm) |           |                       |                    |                      |                       |
|----------|------------|---------------|-----------|-----------------------|--------------------|----------------------|-----------------------|-----------------------|-----------------------|--------------------|-----------|-----------------------|--------------------|----------------------|-----------------------|
|          |            |               |           | 509202<br>2546.01 MHz | 510000<br>2550 MHz | 513900<br>2569.5 MHz | 518598<br>2592.99 MHz | 523302<br>2616.51 MHz | 527994<br>2639.97 MHz | MFR                | Max Power | 509202<br>2546.01 MHz | 510000<br>2550 MHz | 513900<br>2569.5 MHz | 518598<br>2592.99 MHz |
| 100      | π/2 BPSK   | 1             | 1         |                       |                    |                      |                       |                       |                       |                    |           |                       |                    |                      |                       |
|          |            |               |           | 24.6                  |                    |                      |                       |                       |                       | 20.2               |           |                       |                    |                      |                       |
|          |            |               |           | 25.3                  |                    |                      |                       |                       |                       | 20.5               |           |                       |                    |                      |                       |
|          | QPSK       | 1             | 1         |                       |                    |                      |                       |                       |                       |                    |           |                       |                    |                      |                       |
|          |            |               |           | 24.2                  |                    |                      |                       |                       |                       | 20.1               |           |                       |                    |                      |                       |
|          |            |               |           | 24.8                  |                    |                      |                       |                       |                       | 20.8               |           |                       |                    |                      |                       |
| 25.0     |            |               |           |                       |                    | 20.6                 |                       |                       |                       |                    |           |                       |                    |                      |                       |
| 90       | π/2 BPSK   | 1             | 1         |                       |                    |                      |                       |                       |                       |                    |           |                       |                    |                      |                       |
|          |            |               |           | 24.6                  |                    |                      |                       |                       |                       | 21.0               |           |                       |                    |                      |                       |
|          |            |               |           | 24.9                  |                    |                      |                       |                       |                       | 20.9               |           |                       |                    |                      |                       |
| 25.7     |            |               |           |                       |                    | 25.7                 |                       |                       |                       |                    |           |                       |                    |                      |                       |
| 80       | π/2 BPSK   | 1             | 1         |                       |                    |                      |                       |                       |                       |                    |           |                       |                    |                      |                       |
|          |            |               |           | 24.6                  |                    |                      |                       |                       |                       | 20.8               |           |                       |                    |                      |                       |
|          |            |               |           | 25.3                  |                    |                      |                       |                       |                       | 21.3               |           |                       |                    |                      |                       |
| 25.7     |            |               |           |                       |                    | 25.7                 |                       |                       |                       |                    |           |                       |                    |                      |                       |
| 70       | π/2 BPSK   | 1             | 1         |                       |                    |                      |                       |                       |                       |                    |           |                       |                    |                      |                       |
|          |            |               |           | 24.7                  |                    |                      |                       |                       |                       | 20.6               |           |                       |                    |                      |                       |
|          |            |               |           | 25.1                  |                    |                      |                       |                       |                       | 21.1               |           |                       |                    |                      |                       |
| 25.7     |            |               |           |                       |                    | 25.7                 |                       |                       |                       |                    |           |                       |                    |                      |                       |
| 60       | π/2 BPSK   | 1             | 1         |                       |                    |                      |                       |                       |                       |                    |           |                       |                    |                      |                       |
|          |            |               |           | 24.9                  |                    |                      |                       |                       |                       | 20.8               |           |                       |                    |                      |                       |
|          |            |               |           | 25.2                  |                    |                      |                       |                       |                       | 21.2               |           |                       |                    |                      |                       |
| 25.7     |            |               |           |                       |                    | 25.7                 |                       |                       |                       |                    |           |                       |                    |                      |                       |
| 50       | π/2 BPSK   | 1             | 1         |                       |                    |                      |                       |                       |                       |                    |           |                       |                    |                      |                       |
|          |            |               |           | 24.7                  |                    |                      |                       |                       |                       | 20.8               |           |                       |                    |                      |                       |
|          |            |               |           | 25.0                  |                    |                      |                       |                       |                       | 21.1               |           |                       |                    |                      |                       |
| 25.7     |            |               |           |                       |                    | 25.7                 |                       |                       |                       |                    |           |                       |                    |                      |                       |
| 45       | π/2 BPSK   | 1             | 1         |                       |                    |                      |                       |                       |                       |                    |           |                       |                    |                      |                       |
|          |            |               |           | 24.9                  |                    |                      |                       |                       |                       | 21.0               |           |                       |                    |                      |                       |
|          |            |               |           | 25.2                  |                    |                      |                       |                       |                       | 21.3               |           |                       |                    |                      |                       |
| 25.7     |            |               |           |                       |                    | 25.7                 |                       |                       |                       |                    |           |                       |                    |                      |                       |
| 40       | π/2 BPSK   | 1             | 1         |                       |                    |                      |                       |                       |                       |                    |           |                       |                    |                      |                       |
|          |            |               |           | 25.0                  |                    |                      |                       |                       |                       | 21.2               |           |                       |                    |                      |                       |
|          |            |               |           | 25.2                  |                    |                      |                       |                       |                       | 21.1               |           |                       |                    |                      |                       |
| 25.7     |            |               |           |                       |                    | 25.7                 |                       |                       |                       |                    |           |                       |                    |                      |                       |
| 30       | π/2 BPSK   | 1             | 1         |                       |                    |                      |                       |                       |                       |                    |           |                       |                    |                      |                       |
|          |            |               |           | 24.7                  |                    |                      |                       |                       |                       | 20.9               |           |                       |                    |                      |                       |
|          |            |               |           | 24.9                  |                    |                      |                       |                       |                       | 20.4               |           |                       |                    |                      |                       |
| 25.7     |            |               |           |                       |                    | 25.7                 |                       |                       |                       |                    |           |                       |                    |                      |                       |
| 20       | π/2 BPSK   | 1             | 1         |                       |                    |                      |                       |                       |                       |                    |           |                       |                    |                      |                       |
|          |            |               |           | 25.1                  |                    |                      |                       |                       |                       | 20.8               |           |                       |                    |                      |                       |
|          |            |               |           | 24.1                  |                    |                      |                       |                       |                       | 20.3               |           |                       |                    |                      |                       |
| 25.7     |            |               |           |                       |                    | 25.7                 |                       |                       |                       |                    |           |                       |                    |                      |                       |
| 15       | π/2 BPSK   | 1             | 1         |                       |                    |                      |                       |                       |                       |                    |           |                       |                    |                      |                       |
|          |            |               |           | 25.0                  |                    |                      |                       |                       |                       | 20.7               |           |                       |                    |                      |                       |
|          |            |               |           | 24.6                  |                    |                      |                       |                       |                       | 20.5               |           |                       |                    |                      |                       |
| 25.7     |            |               |           |                       |                    | 25.7                 |                       |                       |                       |                    |           |                       |                    |                      |                       |
| 10       | π/2 BPSK   | 1             | 1         |                       |                    |                      |                       |                       |                       |                    |           |                       |                    |                      |                       |
|          |            |               |           | 24.9                  |                    |                      |                       |                       |                       | 20.7               |           |                       |                    |                      |                       |
|          |            |               |           | 25.0                  |                    |                      |                       |                       |                       | 20.8               |           |                       |                    |                      |                       |
| 25.7     |            |               |           |                       |                    | 25.7                 |                       |                       |                       |                    |           |                       |                    |                      |                       |

**NR Band 41 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm)    |                    |                      |                       |                       |                       | Mode B Power (dBm) |           |                       |                    |                      |                       |                       |                       |      |           |      |
|----------|------------|---------------|-----------|-----------------------|--------------------|----------------------|-----------------------|-----------------------|-----------------------|--------------------|-----------|-----------------------|--------------------|----------------------|-----------------------|-----------------------|-----------------------|------|-----------|------|
|          |            |               |           | 509202<br>2546.01 MHz | 510000<br>2550 MHz | 513900<br>2569.5 MHz | 518598<br>2592.99 MHz | 523302<br>2616.51 MHz | 527994<br>2639.97 MHz | MFR                | Max Power | 509202<br>2546.01 MHz | 510000<br>2550 MHz | 513900<br>2569.5 MHz | 518598<br>2592.99 MHz | 523302<br>2616.51 MHz | 527994<br>2639.97 MHz | MFR  | Max Power |      |
| 100      | π/2 BPSK   | 1             | 1         |                       |                    |                      | 17.1                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       | 17.5 |           |      |
|          |            |               |           |                       |                    |                      | 17.4                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           | 17.8 |
|          |            |               |           |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           |      |
|          | QPSK       | 1             | 1         |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      | 17.8      |      |
|          |            |               |           |                       |                    |                      | 17.4                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           | 17.8 |
|          |            |               |           |                       |                    |                      | 17.5                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           |      |
| 90       | π/2 BPSK   | 1             | 1         |                       |                    |                      | 17.1                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       | 17.6 |           |      |
|          |            |               |           |                       |                    |                      | 17.0                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           | 17.5 |
|          |            |               |           |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           |      |
| 80       | π/2 BPSK   | 1             | 1         |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       | 17.5 |           |      |
|          |            |               |           |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           | 17.6 |
|          |            |               |           |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           |      |
| 70       | π/2 BPSK   | 1             | 1         |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       | 17.5 |           |      |
|          |            |               |           |                       |                    |                      | 17.1                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           | 17.5 |
|          |            |               |           |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           |      |
| 60       | π/2 BPSK   | 1             | 1         |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       | 17.7 |           |      |
|          |            |               |           |                       |                    |                      | 17.1                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           | 17.5 |
|          |            |               |           |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           |      |
| 50       | π/2 BPSK   | 1             | 1         |                       |                    |                      | 17.1                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       | 17.5 |           |      |
|          |            |               |           |                       |                    |                      | 17.0                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           | 17.5 |
|          |            |               |           |                       |                    |                      | 17.1                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           |      |
| 45       | π/2 BPSK   | 1             | 1         |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       | 17.6 |           |      |
|          |            |               |           |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           | 17.5 |
|          |            |               |           |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           |      |
| 40       | π/2 BPSK   | 1             | 1         |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       | 17.7 |           |      |
|          |            |               |           |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           | 17.5 |
|          |            |               |           |                       |                    |                      | 17.2                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           |      |
| 30       | π/2 BPSK   | 1             | 1         |                       |                    |                      | 17.1                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       | 17.6 |           |      |
|          |            |               |           |                       |                    |                      | 17.0                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           | 17.5 |
|          |            |               |           |                       |                    |                      | 17.3                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           |      |
| 20       | π/2 BPSK   | 1             | 1         |                       |                    |                      | 17.4                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       | 17.7 |           |      |
|          |            |               |           |                       |                    |                      | 17.1                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           | 17.5 |
|          |            |               |           |                       |                    |                      | 17.3                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           |      |
| 15       | π/2 BPSK   | 1             | 1         |                       |                    |                      | 17.5                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       | 17.7 |           |      |
|          |            |               |           |                       |                    |                      | 17.4                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           | 17.6 |
|          |            |               |           |                       |                    |                      | 17.4                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           |      |
| 10       | π/2 BPSK   | 1             | 1         |                       |                    |                      | 17.3                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       | 17.6 |           |      |
|          |            |               |           |                       |                    |                      | 17.3                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           | 17.5 |
|          |            |               |           |                       |                    |                      | 17.3                  |                       |                       |                    |           |                       |                    |                      |                       |                       |                       |      |           |      |





**NR Band 41 Measured Results (ANT4, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |             |             |             |             |             | Mode B Power (dBm) |           |             |             |             |             |             |             |        |           |   |      |
|----------|------------|---------------|-----------|--------------------|-------------|-------------|-------------|-------------|-------------|--------------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|--------|-----------|---|------|
|          |            |               |           | 509202             | 510000      | 513900      | 518598      | 523302      | 527994      | MFR                | Max Power | 509202      | 510000      | 513900      | 518598      | 523302      | 527994      | MFR    | Max Power |   |      |
| 100      | π/2 BPSK   | 1             | 1         | 2546.01 MHz        | 2550 MHz    | 2569.5 MHz  | 20.4        | 2616.51 MHz | 2639.97 MHz | 0                  | 22.4      | 2546.01 MHz | 2550 MHz    | 2569.5 MHz  | 20.7        | 2616.51 MHz | 2639.97 MHz | 0      | 22.7      |   |      |
|          |            | 1             | 271       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 135           | 69        |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          | QPSK       | 1             | 1         |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 271       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 135           | 69        |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
| 90       | π/2 BPSK   | 1             | 1         | 508200             | 509004      | 513402      | 20.4        | 518598      | 523800      | 528996             | 0         | 22.4        | 508200      | 509004      | 513402      | 20.7        | 518598      | 523800 | 528996    | 0 | 22.7 |
|          |            | 1             | 243       | 2541 MHz           | 2545.02 MHz | 2567.01 MHz | 2592.99 MHz | 2619 MHz    | 2644.98 MHz | 0                  | 22.4      | 2541 MHz    | 2545.02 MHz | 2567.01 MHz | 2592.99 MHz | 2619 MHz    | 2644.98 MHz | 0      | 22.7      |   |      |
|          |            | 1             | 243       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          | π/2 BPSK   | 1             | 1         |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 243       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 243       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
| 80       | π/2 BPSK   | 1             | 1         | 507204             | 508002      | 512904      | 20.4        | 518598      | 524298      | 529992             | 0         | 22.4        | 507204      | 508002      | 512904      | 20.7        | 518598      | 524298 | 529992    | 0 | 22.7 |
|          |            | 1             | 215       | 2536.02 MHz        | 2540.01 MHz | 2564.52 MHz | 2592.99 MHz | 2621.49 MHz | 2649.96 MHz | 0                  | 22.4      | 2536.02 MHz | 2540.01 MHz | 2564.52 MHz | 2592.99 MHz | 2621.49 MHz | 2649.96 MHz | 0      | 22.7      |   |      |
|          |            | 1             | 215       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          | π/2 BPSK   | 1             | 1         |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 215       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 215       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
| 70       | π/2 BPSK   | 1             | 1         | 506202             | 507000      | 512400      | 20.4        | 518598      | 524802      | 530994             | 0         | 22.4        | 506202      | 507000      | 512400      | 20.7        | 518598      | 524802 | 530994    | 0 | 22.7 |
|          |            | 1             | 1         | 2531.01 MHz        | 2535 MHz    | 2562 MHz    | 2592.99 MHz | 2624.01 MHz | 2654.97 MHz | 0                  | 22.4      | 2531.01 MHz | 2535 MHz    | 2562 MHz    | 2592.99 MHz | 2624.01 MHz | 2654.97 MHz | 0      | 22.7      |   |      |
|          |            | 1             | 187       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          | π/2 BPSK   | 1             | 1         |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 187       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 187       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
| 60       | π/2 BPSK   | 1             | 1         | 505200             | 506004      | 511902      | 20.4        | 518598      | 525300      | 531996             | 0         | 22.4        | 505200      | 506004      | 511902      | 20.7        | 518598      | 525300 | 531996    | 0 | 22.7 |
|          |            | 1             | 160       | 2526 MHz           | 2530.02 MHz | 2559.51 MHz | 2592.99 MHz | 2626.5 MHz  | 2659.98 MHz | 0                  | 22.4      | 2526 MHz    | 2530.02 MHz | 2559.51 MHz | 2592.99 MHz | 2626.5 MHz  | 2659.98 MHz | 0      | 22.7      |   |      |
|          |            | 1             | 160       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          | π/2 BPSK   | 1             | 1         |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 160       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 160       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
| 50       | π/2 BPSK   | 1             | 1         | 504204             | 505002      | 511404      | 20.4        | 518598      | 525798      | 532992             | 0         | 22.4        | 504204      | 505002      | 511404      | 20.7        | 518598      | 525798 | 532992    | 0 | 22.7 |
|          |            | 1             | 131       | 2521.02 MHz        | 2525.01 MHz | 2557.02 MHz | 2592.99 MHz | 2628.99 MHz | 2664.96 MHz | 0                  | 22.4      | 2521.02 MHz | 2525.01 MHz | 2557.02 MHz | 2592.99 MHz | 2628.99 MHz | 2664.96 MHz | 0      | 22.7      |   |      |
|          |            | 1             | 131       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          | π/2 BPSK   | 1             | 1         |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 131       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 131       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
| 45       | π/2 BPSK   | 1             | 1         | 503700             | 504504      | 511152      | 20.4        | 518598      | 526050      | 533496             | 0         | 22.4        | 503700      | 504504      | 511152      | 20.7        | 518598      | 526050 | 533496    | 0 | 22.7 |
|          |            | 1             | 117       | 2518.5 MHz         | 2522.52 MHz | 2555.76 MHz | 2592.99 MHz | 2630.25 MHz | 2667.48 MHz | 0                  | 22.4      | 2518.5 MHz  | 2522.52 MHz | 2555.76 MHz | 2592.99 MHz | 2630.25 MHz | 2667.48 MHz | 0      | 22.7      |   |      |
|          |            | 1             | 117       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          | π/2 BPSK   | 1             | 1         |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 117       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 117       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
| 40       | π/2 BPSK   | 1             | 1         | 503202             | 504000      | 510900      | 20.4        | 518598      | 526302      | 533994             | 0         | 22.4        | 503202      | 504000      | 510900      | 20.7        | 518598      | 526302 | 533994    | 0 | 22.7 |
|          |            | 1             | 104       | 2516.01 MHz        | 2520 MHz    | 2554.5 MHz  | 2592.99 MHz | 2631.51 MHz | 2669.97 MHz | 0                  | 22.4      | 2516.01 MHz | 2520 MHz    | 2554.5 MHz  | 2592.99 MHz | 2631.51 MHz | 2669.97 MHz | 0      | 22.7      |   |      |
|          |            | 1             | 104       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          | π/2 BPSK   | 1             | 1         |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 104       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 104       |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
| 30       | π/2 BPSK   | 1             | 1         | 502200             | 503004      | 510402      | 20.4        | 518598      | 526800      | 534996             | 0         | 22.4        | 502200      | 503004      | 510402      | 20.7        | 518598      | 526800 | 534996    | 0 | 22.7 |
|          |            | 1             | 76        | 2511 MHz           | 2515.02 MHz | 2552.01 MHz | 2592.99 MHz | 2634 MHz    | 2674.98 MHz | 0                  | 22.4      | 2511 MHz    | 2515.02 MHz | 2552.01 MHz | 2592.99 MHz | 2634 MHz    | 2674.98 MHz | 0      | 22.7      |   |      |
|          |            | 1             | 76        | 20.4               | 20.4        | 20.4        | 20.4        | 20.4        | 20.4        | 0                  | 22.4      | 20.4        | 20.4        | 20.4        | 20.4        | 20.4        | 20.4        | 0      | 22.7      |   |      |
|          | π/2 BPSK   | 1             | 1         |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 76        |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 76        |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
| 20       | π/2 BPSK   | 1             | 1         | 501204             | 502002      | 509904      | 20.4        | 518598      | 527298      | 535992             | 0         | 22.4        | 501204      | 502002      | 509904      | 20.7        | 518598      | 527298 | 535992    | 0 | 22.7 |
|          |            | 1             | 49        | 2506.02 MHz        | 2510.01 MHz | 2549.52 MHz | 2592.99 MHz | 2636.49 MHz | 2679.96 MHz | 0                  | 22.4      | 2506.02 MHz | 2510.01 MHz | 2549.52 MHz | 2592.99 MHz | 2636.49 MHz | 2679.96 MHz | 0      | 22.7      |   |      |
|          |            | 1             | 49        | 20.4               | 20.4        | 20.4        | 20.4        | 20.4        | 20.4        | 0                  | 22.4      | 20.4        | 20.4        | 20.4        | 20.4        | 20.4        | 20.4        | 0      | 22.7      |   |      |
|          | π/2 BPSK   | 1             | 1         |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 49        |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 49        |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
| 15       | π/2 BPSK   | 1             | 1         | 500700             | 501504      | 509652      | 20.4        | 518598      | 527550      | 536496             | 0         | 22.4        | 500700      | 501504      | 509652      | 20.7        | 518598      | 527550 | 536496    | 0 | 22.7 |
|          |            | 1             | 36        | 2503.5 MHz         | 2507.52 MHz | 2548.26 MHz | 2592.99 MHz | 2637.75 MHz | 2682.48 MHz | 0                  | 22.4      | 2503.5 MHz  | 2507.52 MHz | 2548.26 MHz | 2592.99 MHz | 2637.75 MHz | 2682.48 MHz | 0      | 22.7      |   |      |
|          |            | 1             | 36        | 20.4               | 20.4        | 20.4        | 20.4        | 20.4        | 20.4        | 0                  | 22.4      | 20.4        | 20.4        | 20.4        | 20.4        | 20.4        | 20.4        | 0      | 22.7      |   |      |
|          | π/2 BPSK   | 1             | 1         |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 36        |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 36        |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
| 10       | π/2 BPSK   | 1             | 1         | 500202             | 501000      | 509400      | 20.4        | 518598      | 527802      | 536994             | 0         | 22.4        | 500202      | 501000      | 509400      | 20.7        | 518598      | 527802 | 536994    | 0 | 22.7 |
|          |            | 1             | 22        | 2501.01 MHz        | 2505 MHz    | 2547 MHz    | 2592.99 MHz | 2639.01 MHz | 2684.97 MHz | 0                  | 22.4      | 2501.01 MHz | 2505 MHz    | 2547 MHz    | 2592.99 MHz | 2639.01 MHz | 2684.97 MHz | 0      | 22.7      |   |      |
|          |            | 1             | 22        | 20.4               | 20.4        | 20.4        | 20.4        | 20.4        | 20.4        | 0                  | 22.4      | 20.4        | 20.4        | 20.4        | 20.4        | 20.4        | 20.4        | 0      | 22.7      |   |      |
|          | π/2 BPSK   | 1             | 1         |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 22        |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             | 20.7        |             |             | 0      | 22.7      |   |      |
|          |            | 1             | 22        |                    |             |             | 20.4        |             |             | 0                  | 22.4      |             |             |             |             |             |             |        |           |   |      |

**NR Band 48 Measured Results (ANT7, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |             |             |             |     |           | Mode B Power (dBm) |             |             |             |     |           |    |
|----------|------------|---------------|-----------|--------------------|-------------|-------------|-------------|-----|-----------|--------------------|-------------|-------------|-------------|-----|-----------|----|
|          |            |               |           | 638002             | 640446      | 642890      | 645332      | MPR | Max Power | 638002             | 640446      | 642890      | 645332      | MPR | Max Power |    |
|          |            |               |           | 3570.03 MHz        | 3606.69 MHz | 3643.35 MHz | 3679.98 MHz |     |           | 3570.03 MHz        | 3606.69 MHz | 3643.35 MHz | 3679.98 MHz |     |           |    |
| 40       | π/2 BPSK   | 1             | 1         |                    |             | 23.7        |             | 0   | 25.3      |                    |             | 20.8        |             | 0   | 22        |    |
|          |            |               | 1         | 104                |             |             | 23.6        |     | 0         | 25.3               |             |             | 20.9        |     | 0         | 22 |
|          |            |               | 50        | 28                 |             |             | 23.7        |     | 0         | 25.3               |             |             | 20.9        |     | 0         | 22 |
|          | QPSK       | 1             | 1         |                    |             |             | 23.3        |     | 0         | 25.3               |             |             | 20.3        |     | 0         | 22 |
|          |            |               | 1         | 104                |             |             | 23.4        |     | 0         | 25.3               |             |             | 20.4        |     | 0         | 22 |
|          |            |               | 50        | 28                 |             |             | 23.4        |     | 0         | 25.3               |             |             | 20.4        |     | 0         | 22 |
| 30       | π/2 BPSK   | 1             | 1         |                    |             | 23.6        |             | 0   | 25.3      |                    |             | 20.4        |             | 0   | 22        |    |
|          |            |               | 1         | 76                 |             |             | 23.4        |     | 0         | 25.3               |             |             | 20.3        |     | 0         | 22 |
|          |            |               | 50        | 28                 |             |             | 23.4        |     | 0         | 25.3               |             |             | 20.3        |     | 0         | 22 |
| 20       | π/2 BPSK   | 1             | 1         |                    |             | 23.7        |             | 0   | 25.3      |                    |             | 20.5        |             | 0   | 22        |    |
|          |            |               | 1         | 49                 |             |             | 23.6        |     | 0         | 25.3               |             |             | 20.4        |     | 0         | 22 |
|          |            |               | 50        | 28                 |             |             | 23.7        |     | 0         | 25.3               |             |             | 20.5        |     | 0         | 22 |
| 15       | π/2 BPSK   | 1             | 1         |                    |             | 23.6        |             | 0   | 25.3      |                    |             | 20.5        |             | 0   | 22        |    |
|          |            |               | 1         | 36                 |             |             | 23.5        |     | 0         | 25.3               |             |             | 20.3        |     | 0         | 22 |
|          |            |               | 50        | 28                 |             |             | 23.4        |     | 0         | 25.3               |             |             | 20.2        |     | 0         | 22 |
| 10       | π/2 BPSK   | 1             | 1         |                    |             | 23.7        |             | 0   | 25.3      |                    |             | 20.4        |             | 0   | 22        |    |
|          |            |               | 1         | 22                 |             |             | 23.7        |     | 0         | 25.3               |             |             | 20.5        |     | 0         | 22 |
|          |            |               | 50        | 28                 |             |             | 23.4        |     | 0         | 25.3               |             |             | 20.4        |     | 0         | 22 |

**NR Band 48 Measured Results (ANT8, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |             |             |             |     |           | Mode B Power (dBm) |             |             |             |     |           |      |
|----------|------------|---------------|-----------|--------------------|-------------|-------------|-------------|-----|-----------|--------------------|-------------|-------------|-------------|-----|-----------|------|
|          |            |               |           | 638002             | 640446      | 642890      | 645332      | MPR | Max Power | 638002             | 640446      | 642890      | 645332      | MPR | Max Power |      |
|          |            |               |           | 3570.03 MHz        | 3606.69 MHz | 3643.35 MHz | 3679.98 MHz |     |           | 3570.03 MHz        | 3606.69 MHz | 3643.35 MHz | 3679.98 MHz |     |           |      |
| 40       | π/2 BPSK   | 1             | 1         |                    |             | 22.7        |             | 0   | 24.5      |                    |             | 18.9        |             | 0   | 20.3      |      |
|          |            |               | 1         | 104                |             |             | 22.6        |     | 0         | 24.5               |             |             | 18.9        |     | 0         | 20.3 |
|          |            |               | 50        | 28                 |             |             | 22.7        |     | 0         | 24.5               |             |             | 18.9        |     | 0         | 20.3 |
|          | QPSK       | 1             | 1         |                    |             |             | 22.5        |     | 0         | 24.5               |             |             | 18.3        |     | 0         | 20.3 |
|          |            |               | 1         | 104                |             |             | 22.6        |     | 0         | 24.5               |             |             | 18.3        |     | 0         | 20.3 |
|          |            |               | 50        | 28                 |             |             | 22.5        |     | 0         | 24.5               |             |             | 18.3        |     | 0         | 20.3 |
| 30       | π/2 BPSK   | 1             | 1         |                    |             | 22.5        |             | 0   | 24.5      |                    |             | 18.3        |             | 0   | 20.3      |      |
|          |            |               | 1         | 76                 |             |             | 22.5        |     | 0         | 24.5               |             |             | 18.3        |     | 0         | 20.3 |
|          |            |               | 50        | 28                 |             |             | 22.5        |     | 0         | 24.5               |             |             | 18.3        |     | 0         | 20.3 |
| 20       | π/2 BPSK   | 1             | 1         |                    |             | 22.5        |             | 0   | 24.5      |                    |             | 18.3        |             | 0   | 20.3      |      |
|          |            |               | 1         | 49                 |             |             | 22.5        |     | 0         | 24.5               |             |             | 18.3        |     | 0         | 20.3 |
|          |            |               | 50        | 28                 |             |             | 22.5        |     | 0         | 24.5               |             |             | 18.3        |     | 0         | 20.3 |
| 15       | π/2 BPSK   | 1             | 1         |                    |             | 22.5        |             | 0   | 24.5      |                    |             | 18.3        |             | 0   | 20.3      |      |
|          |            |               | 1         | 36                 |             |             | 22.5        |     | 0         | 24.5               |             |             | 18.3        |     | 0         | 20.3 |
|          |            |               | 50        | 28                 |             |             | 22.5        |     | 0         | 24.5               |             |             | 18.3        |     | 0         | 20.3 |
| 10       | π/2 BPSK   | 1             | 1         |                    |             | 22.5        |             | 0   | 24.5      |                    |             | 18.3        |             | 0   | 20.3      |      |
|          |            |               | 1         | 22                 |             |             | 22.5        |     | 0         | 24.5               |             |             | 18.3        |     | 0         | 20.3 |
|          |            |               | 50        | 28                 |             |             | 22.5        |     | 0         | 24.5               |             |             | 18.3        |     | 0         | 20.3 |

**NR Band 48 Measured Results (ANT9, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset   | Mode A Power (dBm) |             |             |             |     |           | Mode B Power (dBm) |             |             |             |     |           |
|----------|------------|---------------|-------------|--------------------|-------------|-------------|-------------|-----|-----------|--------------------|-------------|-------------|-------------|-----|-----------|
|          |            |               |             | 638002             | 640446      | 642890      | 645332      | MPR | Max Power | 638002             | 640446      | 642890      | 645332      | MPR | Max Power |
|          |            |               |             | 3570.03 MHz        | 3606.69 MHz | 3643.35 MHz | 3679.98 MHz |     |           | 3570.03 MHz        | 3606.69 MHz | 3643.35 MHz | 3679.98 MHz |     |           |
| 40       | π/2 BPSK   | 1             | 1           |                    |             | 22.0        |             | 0   | 22.2      |                    |             | 19.3        |             | 0   | 19.5      |
|          |            | 1             | 104         |                    |             | 22.1        |             | 0   | 22.2      |                    |             | 19.4        |             | 0   | 19.5      |
|          |            | 50            | 28          |                    |             | 22.2        |             | 0   | 22.2      |                    |             | 19.4        |             | 0   | 19.5      |
|          | QPSK       | 1             | 1           |                    |             | 21.4        |             | 0   | 22.2      |                    |             | 19.4        |             | 0   | 19.5      |
|          |            | 1             | 104         |                    |             | 21.4        |             | 0   | 22.2      |                    |             | 19.3        |             | 0   | 19.5      |
|          |            | 50            | 28          |                    |             | 21.4        |             | 0   | 22.2      |                    |             | 19.3        |             | 0   | 19.5      |
| 30       | π/2 BPSK   | 1             | 1           | 637668             | 640334      | 643000      | 645666      | MPR | Max Power | 637668             | 640334      | 643000      | 645666      | MPR | Max Power |
|          |            | 3565.02 MHz   | 3605.01 MHz | 3645 MHz           | 3684.99 MHz | 3565.02 MHz | 3605.01 MHz |     |           | 3645 MHz           | 3684.99 MHz |             |             |     |           |
|          |            | 1             | 76          | 21.5               | 21.2        | 21.4        | 21.4        | 0   | 22.2      | 19.1               | 18.9        | 19.1        | 19.2        | 0   | 19.5      |
| 20       | π/2 BPSK   | 1             | 1           | 637336             | 640224      | 643112      | 645998      | MPR | Max Power | 637336             | 640224      | 643112      | 645998      | MPR | Max Power |
|          |            | 3560.04 MHz   | 3603.36 MHz | 3646.68 MHz        | 3689.97 MHz | 3560.04 MHz | 3603.36 MHz |     |           | 3646.68 MHz        | 3689.97 MHz |             |             |     |           |
|          |            | 1             | 49          | 21.3               | 21.2        | 21.3        | 21.3        | 0   | 22.2      | 19.1               | 18.8        | 19.1        | 19.0        | 0   | 19.5      |
| 15       | π/2 BPSK   | 1             | 1           | 637168             | 640168      | 643168      | 646166      | MPR | Max Power | 637168             | 640168      | 643168      | 646166      | MPR | Max Power |
|          |            | 3557.52 MHz   | 3602.52 MHz | 3647.52 MHz        | 3692.49 MHz | 3557.52 MHz | 3602.52 MHz |     |           | 3647.52 MHz        | 3692.49 MHz |             |             |     |           |
|          |            | 1             | 36          | 21.3               | 21.2        | 21.4        | 21.3        | 0   | 22.2      | 19.0               | 18.8        | 19.1        | 18.9        | 0   | 19.5      |
| 10       | π/2 BPSK   | 1             | 1           | 637002             | 640112      | 643224      | 646332      | MPR | Max Power | 637002             | 640112      | 643224      | 646332      | MPR | Max Power |
|          |            | 3555.03 MHz   | 3601.68 MHz | 3648.36 MHz        | 3694.98 MHz | 3555.03 MHz | 3601.68 MHz |     |           | 3648.36 MHz        | 3694.98 MHz |             |             |     |           |
|          |            | 1             | 22          | 21.5               | 21.2        | 21.4        | 21.4        | 0   | 22.2      | 19.2               | 18.9        | 19.2        | 19.0        | 0   | 19.5      |

**NR Band 48 Measured Results (ANT4, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset   | Mode A Power (dBm) |             |             |             |     |           | Mode B Power (dBm) |             |             |             |     |           |
|----------|------------|---------------|-------------|--------------------|-------------|-------------|-------------|-----|-----------|--------------------|-------------|-------------|-------------|-----|-----------|
|          |            |               |             | 638002             | 640446      | 642890      | 645332      | MPR | Max Power | 638002             | 640446      | 642890      | 645332      | MPR | Max Power |
|          |            |               |             | 3570.03 MHz        | 3606.69 MHz | 3643.35 MHz | 3679.98 MHz |     |           | 3570.03 MHz        | 3606.69 MHz | 3643.35 MHz | 3679.98 MHz |     |           |
| 40       | π/2 BPSK   | 1             | 1           |                    |             | 17.9        |             | 0   | 18.5      |                    |             | 19.0        |             | 0   | 20.4      |
|          |            | 1             | 104         |                    |             | 17.9        |             | 0   | 18.5      |                    |             | 19.0        |             | 0   | 20.4      |
|          |            | 50            | 28          |                    |             | 17.9        |             | 0   | 18.5      |                    |             | 19.0        |             | 0   | 20.4      |
|          | QPSK       | 1             | 1           |                    |             | 17.5        |             | 0   | 18.5      |                    |             | 18.9        |             | 0   | 20.4      |
|          |            | 1             | 104         |                    |             | 17.8        |             | 0   | 18.5      |                    |             | 19.0        |             | 0   | 20.4      |
|          |            | 50            | 28          |                    |             | 17.8        |             | 0   | 18.5      |                    |             | 19.0        |             | 0   | 20.4      |
| 30       | π/2 BPSK   | 1             | 1           | 637668             | 640334      | 643000      | 645666      | MPR | Max Power | 637668             | 640334      | 643000      | 645666      | MPR | Max Power |
|          |            | 3565.02 MHz   | 3605.01 MHz | 3645 MHz           | 3684.99 MHz | 3565.02 MHz | 3605.01 MHz |     |           | 3645 MHz           | 3684.99 MHz |             |             |     |           |
|          |            | 1             | 76          | 17.0               | 16.9        | 17.0        | 17.1        | 0   | 18.5      | 18.4               | 18.4        | 18.4        | 18.4        | 0   | 20.4      |
| 20       | π/2 BPSK   | 1             | 1           | 637336             | 640224      | 643112      | 645998      | MPR | Max Power | 637336             | 640224      | 643112      | 645998      | MPR | Max Power |
|          |            | 3560.04 MHz   | 3603.36 MHz | 3646.68 MHz        | 3689.97 MHz | 3560.04 MHz | 3603.36 MHz |     |           | 3646.68 MHz        | 3689.97 MHz |             |             |     |           |
|          |            | 1             | 49          | 16.9               | 16.9        | 16.8        | 16.8        | 0   | 18.5      | 18.4               | 18.4        | 18.4        | 18.4        | 0   | 20.4      |
| 15       | π/2 BPSK   | 1             | 1           | 637168             | 640168      | 643168      | 646166      | MPR | Max Power | 637168             | 640168      | 643168      | 646166      | MPR | Max Power |
|          |            | 3557.52 MHz   | 3602.52 MHz | 3647.52 MHz        | 3692.49 MHz | 3557.52 MHz | 3602.52 MHz |     |           | 3647.52 MHz        | 3692.49 MHz |             |             |     |           |
|          |            | 1             | 36          | 17.0               | 16.7        | 16.8        | 16.8        | 0   | 18.5      | 18.4               | 18.4        | 18.4        | 18.4        | 0   | 20.4      |
| 10       | π/2 BPSK   | 1             | 1           | 637002             | 640112      | 643224      | 646332      | MPR | Max Power | 637002             | 640112      | 643224      | 646332      | MPR | Max Power |
|          |            | 3555.03 MHz   | 3601.68 MHz | 3648.36 MHz        | 3694.98 MHz | 3555.03 MHz | 3601.68 MHz |     |           | 3648.36 MHz        | 3694.98 MHz |             |             |     |           |
|          |            | 1             | 22          | 16.8               | 16.8        | 16.8        | 16.9        | 0   | 18.5      | 18.4               | 18.4        | 18.4        | 18.4        | 0   | 20.4      |

**NR Band 53 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |          |     |           | Mode B Power (dBm) |            |          |     |           |
|----------|------------|---------------|-----------|--------------------|------------|----------|-----|-----------|--------------------|------------|----------|-----|-----------|
|          |            |               |           | 497700             | 497860     | 498000   | MPR | Max Power | 497700             | 497860     | 498000   | MPR | Max Power |
|          |            |               |           | 2488.5 MHz         | 2489.3 MHz | 2490 MHz |     |           | 2488.5 MHz         | 2489.3 MHz | 2490 MHz |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 19.0       |          | 0   | 20.7      |                    | 19.0       |          | 0   | 20.7      |
|          |            | 1             | 22        |                    | 19.0       |          | 0   | 20.7      |                    | 19.0       |          | 0   | 20.7      |
|          |            | 12            | 6         |                    | 19.0       |          | 0   | 20.7      |                    | 19.0       |          | 0   | 20.7      |
|          | QPSK       | 1             | 1         |                    | 19.1       |          | 0   | 20.7      |                    | 19.1       |          | 0   | 20.7      |
|          |            | 1             | 22        |                    | 19.2       |          | 0   | 20.7      |                    | 19.2       |          | 0   | 20.7      |
|          |            | 12            | 6         |                    | 19.2       |          | 0   | 20.7      |                    | 19.2       |          | 0   | 20.7      |

**NR Band 53 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |          |     |           | Mode B Power (dBm) |            |          |     |           |
|----------|------------|---------------|-----------|--------------------|------------|----------|-----|-----------|--------------------|------------|----------|-----|-----------|
|          |            |               |           | 497700             | 497860     | 498000   | MPR | Max Power | 497700             | 497860     | 498000   | MPR | Max Power |
|          |            |               |           | 2488.5 MHz         | 2489.3 MHz | 2490 MHz |     |           | 2488.5 MHz         | 2489.3 MHz | 2490 MHz |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 17.0       |          | 0   | 18.3      |                    | 17.3       |          | 0   | 19.2      |
|          |            | 1             | 22        |                    | 16.9       |          | 0   | 18.3      |                    | 17.3       |          | 0   | 19.2      |
|          |            | 12            | 6         |                    | 17.1       |          | 0   | 18.3      |                    | 17.4       |          | 0   | 19.2      |
|          | QPSK       | 1             | 1         |                    | 16.1       |          | 0   | 18.3      |                    | 17.2       |          | 0   | 19.2      |
|          |            | 1             | 22        |                    | 16.1       |          | 0   | 18.3      |                    | 17.2       |          | 0   | 19.2      |
|          |            | 12            | 6         |                    | 16.1       |          | 0   | 18.3      |                    | 17.4       |          | 0   | 19.2      |

**NR Band 66 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |          |     |           | Mode B Power (dBm) |          |          |     |           |
|----------|------------|---------------|-----------|--------------------|----------|----------|-----|-----------|--------------------|----------|----------|-----|-----------|
|          |            |               |           | 346000             | 349000   | 352000   | MPR | Max Power | 346000             | 349000   | 352000   | MPR | Max Power |
|          |            |               |           | 1730 MHz           | 1745 MHz | 1760 MHz |     |           | 1730 MHz           | 1745 MHz | 1760 MHz |     |           |
| 40       | π/2 BPSK   | 1             | 1         |                    | 25.0     |          | 0   | 25.7      |                    | 18.9     |          | 0   | 19.6      |
|          |            | 1             | 214       |                    | 25.0     |          | 0   | 25.7      |                    | 18.8     |          | 0   | 19.6      |
|          |            | 108           | 54        |                    | 25.3     |          | 0   | 25.7      |                    | 18.9     |          | 0   | 19.6      |
|          | QPSK       | 1             | 1         |                    | 24.5     |          | 0   | 25.7      |                    | 19.0     |          | 0   | 19.6      |
|          |            | 1             | 214       |                    | 24.3     |          | 0   | 25.7      |                    | 19.0     |          | 0   | 19.6      |
|          |            | 108           | 54        |                    | 24.9     |          | 0   | 25.7      |                    | 19.0     |          | 0   | 19.6      |
| 35       | π/2 BPSK   | 1             | 1         |                    | 24.9     |          | 0   | 25.7      |                    | 18.9     |          | 0   | 19.6      |
|          |            | 1             | 186       |                    | 24.7     |          | 0   | 25.7      |                    | 18.8     |          | 0   | 19.6      |
| 30       | π/2 BPSK   | 1             | 1         |                    | 24.8     |          | 0   | 25.7      |                    | 18.8     |          | 0   | 19.6      |
|          |            | 1             | 158       |                    | 24.7     |          | 0   | 25.7      |                    | 18.8     |          | 0   | 19.6      |
| 25       | π/2 BPSK   | 1             | 1         |                    | 24.7     |          | 0   | 25.7      |                    | 18.6     |          | 0   | 19.6      |
|          |            | 1             | 131       |                    | 24.5     |          | 0   | 25.7      |                    | 18.6     |          | 0   | 19.6      |
| 20       | π/2 BPSK   | 1             | 1         | 24.9               | 24.8     | 24.8     | 0   | 25.7      | 18.7               | 18.8     | 18.7     | 0   | 19.6      |
|          |            | 1             | 104       | 24.9               | 24.7     | 24.6     | 0   | 25.7      | 18.8               | 18.8     | 18.6     | 0   | 19.6      |
| 15       | π/2 BPSK   | 1             | 1         | 25.0               | 24.9     | 24.8     | 0   | 25.7      | 18.9               | 18.7     | 18.7     | 0   | 19.6      |
|          |            | 1             | 77        | 25.0               | 24.8     | 24.7     | 0   | 25.7      | 18.8               | 18.8     | 18.7     | 0   | 19.6      |
| 10       | π/2 BPSK   | 1             | 1         | 25.0               | 24.9     | 24.8     | 0   | 25.7      | 18.8               | 18.8     | 18.7     | 0   | 19.6      |
|          |            | 1             | 50        | 25.1               | 24.7     | 24.7     | 0   | 25.7      | 18.9               | 18.8     | 18.7     | 0   | 19.6      |
| 5        | π/2 BPSK   | 1             | 1         | 24.9               | 24.8     | 24.7     | 0   | 25.7      | 18.8               | 18.7     | 18.6     | 0   | 19.6      |
|          |            | 1             | 23        | 24.9               | 24.8     | 24.7     | 0   | 25.7      | 18.7               | 18.7     | 18.5     | 0   | 19.6      |

**NR Band 66 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |          |     |           | Mode B Power (dBm) |          |          |     |           |
|----------|------------|---------------|-----------|--------------------|----------|----------|-----|-----------|--------------------|----------|----------|-----|-----------|
|          |            |               |           | 346000             | 349000   | 352000   | MPR | Max Power | 346000             | 349000   | 352000   | MPR | Max Power |
|          |            |               |           | 1730 MHz           | 1745 MHz | 1760 MHz |     |           | 1730 MHz           | 1745 MHz | 1760 MHz |     |           |
| 40       | π/2 BPSK   | 1             | 1         |                    | 18.2     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            | 1             | 214       |                    | 18.4     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            | 108           | 54        |                    | 18.5     |          | 0   | 20        |                    | 17.6     |          | 0   | 19.4      |
|          | QPSK       | 1             | 1         |                    | 18.4     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            | 1             | 214       |                    | 18.4     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            | 108           | 54        |                    | 18.3     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
| 35       | π/2 BPSK   | 1             | 1         |                    | 18.0     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            | 1             | 186       |                    | 18.2     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 30       | π/2 BPSK   | 1             | 1         |                    | 18.2     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            | 1             | 158       |                    | 18.3     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 25       | π/2 BPSK   | 1             | 1         |                    | 18.1     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            | 1             | 131       |                    | 18.1     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 20       | π/2 BPSK   | 1             | 1         |                    | 18.1     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            | 1             | 104       |                    | 18.2     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 18.3     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            | 1             | 77        |                    | 18.3     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 18.1     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            | 1             | 50        |                    | 18.3     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 5        | π/2 BPSK   | 1             | 1         |                    | 18.3     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            | 1             | 23        |                    | 18.3     |          | 0   | 20        |                    | 17.4     |          | 0   | 19.4      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |

**NR Band 66 Measured Results (ANT3, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |          |     |           | Mode B Power (dBm) |          |          |     |           |
|----------|------------|---------------|-----------|--------------------|----------|----------|-----|-----------|--------------------|----------|----------|-----|-----------|
|          |            |               |           | 346000             | 349000   | 352000   | MPR | Max Power | 346000             | 349000   | 352000   | MPR | Max Power |
|          |            |               |           | 1730 MHz           | 1745 MHz | 1760 MHz |     |           | 1730 MHz           | 1745 MHz | 1760 MHz |     |           |
| 40       | π/2 BPSK   | 1             | 1         |                    | 23.2     |          | 0   | 24.2      |                    | 21.4     |          | 0   | 22.1      |
|          |            | 1             | 214       |                    | 23.2     |          | 0   | 24.2      |                    | 21.4     |          | 0   | 22.1      |
|          |            | 108           | 54        |                    | 23.1     |          | 0   | 24.2      |                    | 21.6     |          | 0   | 22.1      |
|          | QPSK       | 1             | 1         |                    | 23.1     |          | 0   | 24.2      |                    | 21.4     |          | 0   | 22.1      |
|          |            | 1             | 214       |                    | 23.1     |          | 0   | 24.2      |                    | 21.3     |          | 0   | 22.1      |
|          |            | 108           | 54        |                    | 23.4     |          | 0   | 24.2      |                    | 21.6     |          | 0   | 22.1      |
| 35       | π/2 BPSK   | 1             | 1         |                    | 23.3     |          | 0   | 24.2      |                    | 21.7     |          | 0   | 22.1      |
|          |            | 1             | 186       |                    | 23.5     |          | 0   | 24.2      |                    | 21.7     |          | 0   | 22.1      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 30       | π/2 BPSK   | 1             | 1         |                    | 23.6     |          | 0   | 24.2      |                    | 21.8     |          | 0   | 22.1      |
|          |            | 1             | 158       |                    | 23.5     |          | 0   | 24.2      |                    | 21.8     |          | 0   | 22.1      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 25       | π/2 BPSK   | 1             | 1         |                    | 23.5     |          | 0   | 24.2      |                    | 21.7     |          | 0   | 22.1      |
|          |            | 1             | 131       |                    | 23.3     |          | 0   | 24.2      |                    | 21.6     |          | 0   | 22.1      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 20       | π/2 BPSK   | 1             | 1         | 23.6               | 23.5     | 23.5     | 0   | 24.2      | 21.7               | 21.8     | 21.7     | 0   | 22.1      |
|          |            | 1             | 104       | 23.6               | 23.5     | 23.2     | 0   | 24.2      | 21.7               | 21.7     | 21.4     | 0   | 22.1      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 15       | π/2 BPSK   | 1             | 1         | 23.4               | 23.6     | 23.4     | 0   | 24.2      | 21.7               | 21.8     | 21.6     | 0   | 22.1      |
|          |            | 1             | 77        | 23.5               | 23.5     | 23.2     | 0   | 24.2      | 21.7               | 21.7     | 21.4     | 0   | 22.1      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 10       | π/2 BPSK   | 1             | 1         | 23.6               | 23.6     | 23.5     | 0   | 24.2      | 21.8               | 21.7     | 21.6     | 0   | 22.1      |
|          |            | 1             | 50        | 23.6               | 23.5     | 23.2     | 0   | 24.2      | 21.7               | 21.8     | 21.4     | 0   | 22.1      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |
| 5        | π/2 BPSK   | 1             | 1         | 23.5               | 23.6     | 23.2     | 0   | 24.2      | 21.6               | 21.8     | 21.3     | 0   | 22.1      |
|          |            | 1             | 23        | 23.7               | 23.6     | 23.3     | 0   | 24.2      | 21.7               | 21.7     | 21.4     | 0   | 22.1      |
|          |            |               |           |                    |          |          |     |           |                    |          |          |     |           |

**NR Band 66 Measured Results (ANT4, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |          |          |      |           | Mode B Power (dBm) |          |          |      |           |      |
|----------|------------|---------------|-----------|--------------------|----------|----------|------|-----------|--------------------|----------|----------|------|-----------|------|
|          |            |               |           | 346000             | 349000   | 352000   | MPR  | Max Power | 346000             | 349000   | 352000   | MPR  | Max Power |      |
|          |            |               |           | 1730 MHz           | 1745 MHz | 1760 MHz |      |           | 1730 MHz           | 1745 MHz | 1760 MHz |      |           |      |
| 40       | π/2 BPSK   | 1             | 1         |                    | 18.2     |          | 0    | 20        |                    | 20.4     |          | 0    | 21.8      |      |
|          |            | 1             | 214       |                    | 18.4     |          | 0    | 20        |                    | 20.1     |          | 0    | 21.8      |      |
|          |            | 108           | 54        |                    | 18.6     |          | 0    | 20        |                    | 20.3     |          | 0    | 21.8      |      |
|          | QPSK       | 1             | 1         |                    | 18.0     |          | 0    | 20        |                    | 19.9     |          | 0    | 21.8      |      |
|          |            | 1             | 214       |                    | 18.3     |          | 0    | 20        |                    | 19.9     |          | 0    | 21.8      |      |
|          |            | 108           | 54        |                    | 18.3     |          | 0    | 20        |                    | 19.8     |          | 0    | 21.8      |      |
| 35       | π/2 BPSK   | 1             | 1         |                    | 18.4     |          | 0    | 20        |                    | 20.2     |          | 0    | 21.8      |      |
|          |            | 1             | 186       |                    | 18.3     |          | 0    | 20        |                    | 20.2     |          | 0    | 21.8      |      |
|          |            | 1             | 1         |                    | 18.5     |          | 0    | 20        |                    | 20.3     |          | 0.2  | 21.8      |      |
| 30       | π/2 BPSK   | 1             | 158       |                    | 18.4     |          | 0    | 20        |                    | 20.3     |          | 0.2  | 21.8      |      |
|          |            | 1             | 1         |                    | 18.3     |          | 0    | 20        |                    | 20.2     |          | 0    | 21.8      |      |
|          |            | 1             | 131       |                    | 18.3     |          | 0    | 20        |                    | 20.2     |          | 0    | 21.8      |      |
| 25       | π/2 BPSK   | 1             | 1         |                    | 18.3     |          | 0    | 20        |                    | 20.1     |          | 0    | 21.8      |      |
|          |            | 1             | 131       |                    | 18.3     |          | 0    | 20        |                    | 20.2     |          | 0    | 21.8      |      |
|          |            | 1             | 1         |                    | 18.3     |          | 0    | 20        |                    | 20.2     |          | 0    | 21.8      |      |
| 20       | π/2 BPSK   | 1             | 1         |                    | 18.5     | 18.3     | 18.4 | 0         | 20                 | 20.3     | 20.3     | 20.3 | 0         | 21.8 |
|          |            | 1             | 104       |                    | 18.4     | 18.3     | 18.3 | 0         | 20                 | 20.3     | 20.4     | 20.2 | 0         | 21.8 |
|          |            | 1             | 1         |                    | 18.4     | 18.5     | 18.5 | 0         | 20                 | 20.3     | 20.3     | 20.3 | 0         | 21.8 |
| 15       | π/2 BPSK   | 1             | 77        |                    | 18.3     | 18.5     | 18.3 | 0         | 20                 | 20.2     | 20.4     | 20.3 | 0         | 21.8 |
|          |            | 1             | 1         |                    | 18.4     | 18.5     | 18.3 | 0         | 20                 | 20.2     | 20.4     | 20.3 | 0         | 21.8 |
|          |            | 1             | 1         |                    | 18.4     | 18.5     | 18.3 | 0         | 20                 | 20.2     | 20.4     | 20.3 | 0         | 21.8 |
| 10       | π/2 BPSK   | 1             | 1         |                    | 18.5     | 18.5     | 18.6 | 0         | 20                 | 20.3     | 20.4     | 20.5 | 0         | 21.8 |
|          |            | 1             | 50        |                    | 18.4     | 18.5     | 18.4 | 0         | 20                 | 20.3     | 20.5     | 20.3 | 0         | 21.8 |
|          |            | 1             | 1         |                    | 18.5     | 18.6     | 18.3 | 0         | 20                 | 20.2     | 20.5     | 20.1 | 0         | 21.8 |
| 5        | π/2 BPSK   | 1             | 23        |                    | 18.4     | 18.5     | 18.4 | 0         | 20                 | 20.3     | 20.4     | 20.0 | 0         | 21.8 |
|          |            | 1             | 1         |                    | 18.5     | 18.6     | 18.3 | 0         | 20                 | 20.2     | 20.5     | 20.1 | 0         | 21.8 |
|          |            | 1             | 1         |                    | 18.4     | 18.5     | 18.4 | 0         | 20                 | 20.3     | 20.4     | 20.0 | 0         | 21.8 |



**NR Band 70 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |            |     |           | Mode B Power (dBm) |            |            |     |           |
|----------|------------|---------------|-----------|--------------------|------------|------------|-----|-----------|--------------------|------------|------------|-----|-----------|
|          |            |               |           | 340500             | 340500     | 340500     | MPR | Max Power | 340500             | 340500     | 340500     | MPR | Max Power |
|          |            |               |           | 1702.5 MHz         | 1702.5 MHz | 1702.5 MHz |     |           | 1702.5 MHz         | 1702.5 MHz | 1702.5 MHz |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 24.7       |            | 0   | 25.7      |                    | 18.8       |            | 0   | 19.6      |
|          |            | 1             | 77        |                    | 24.7       |            | 0   | 25.7      |                    | 18.7       |            | 0   | 19.6      |
|          |            | 36            | 22        |                    | 25.2       |            | 0   | 25.7      |                    | 18.8       |            | 0   | 19.6      |
|          | QPSK       | 1             | 1         |                    | 25.0       |            | 0   | 25.7      |                    | 18.6       |            | 0   | 19.6      |
|          |            | 1             | 77        |                    | 25.1       |            | 0   | 25.7      |                    | 18.6       |            | 0   | 19.6      |
|          |            | 36            | 22        |                    | 25.0       |            | 0   | 25.7      |                    | 18.7       |            | 0   | 19.6      |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |          |     |           | Mode B Power (dBm) |            |          |     |           |
|----------|------------|---------------|-----------|--------------------|------------|----------|-----|-----------|--------------------|------------|----------|-----|-----------|
|          |            |               |           | 340000             | 340500     | 341000   | MPR | Max Power | 340000             | 340500     | 341000   | MPR | Max Power |
|          |            |               |           | 1700 MHz           | 1702.5 MHz | 1705 MHz |     |           | 1700 MHz           | 1702.5 MHz | 1705 MHz |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 25.0       |          | 0   | 25.7      |                    | 18.5       |          | 0   | 19.6      |
|          |            | 1             | 50        |                    | 25.0       |          | 0   | 25.7      |                    | 18.6       |          | 0   | 19.6      |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |            |     |           | Mode B Power (dBm) |            |            |     |           |
|----------|------------|---------------|-----------|--------------------|------------|------------|-----|-----------|--------------------|------------|------------|-----|-----------|
|          |            |               |           | 339500             | 340500     | 341500     | MPR | Max Power | 339500             | 340500     | 341500     | MPR | Max Power |
|          |            |               |           | 1697.5 MHz         | 1702.5 MHz | 1707.5 MHz |     |           | 1697.5 MHz         | 1702.5 MHz | 1707.5 MHz |     |           |
| 5        | π/2 BPSK   | 1             | 1         | 25.0               | 25.0       | 25.1       | 0   | 25.7      | 18.5               | 18.5       | 18.4       | 0   | 19.6      |
|          |            | 1             | 23        | 25.1               | 25.0       | 25.1       | 0   | 25.7      | 18.5               | 18.5       | 18.5       | 0   | 19.6      |

**NR Band 70 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |            |     |           | Mode B Power (dBm) |            |            |     |           |
|----------|------------|---------------|-----------|--------------------|------------|------------|-----|-----------|--------------------|------------|------------|-----|-----------|
|          |            |               |           | 340500             | 340500     | 340500     | MPR | Max Power | 340500             | 340500     | 340500     | MPR | Max Power |
|          |            |               |           | 1702.5 MHz         | 1702.5 MHz | 1702.5 MHz |     |           | 1702.5 MHz         | 1702.5 MHz | 1702.5 MHz |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 18.5       |            | 0   | 20        |                    | 17.4       |            | 0   | 19.4      |
|          |            | 1             | 77        |                    | 18.5       |            | 0   | 20        |                    | 17.4       |            | 0   | 19.4      |
|          |            | 36            | 22        |                    | 18.5       |            | 0   | 20        |                    | 17.4       |            | 0   | 19.4      |
|          | QPSK       | 1             | 1         |                    | 18.4       |            | 0   | 20        |                    | 17.4       |            | 0   | 19.4      |
|          |            | 1             | 77        |                    | 18.5       |            | 0   | 20        |                    | 17.5       |            | 0   | 19.4      |
|          |            | 36            | 22        |                    | 18.5       |            | 0   | 20        |                    | 17.5       |            | 0   | 19.4      |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |          |     |           | Mode B Power (dBm) |            |          |     |           |
|----------|------------|---------------|-----------|--------------------|------------|----------|-----|-----------|--------------------|------------|----------|-----|-----------|
|          |            |               |           | 340000             | 340500     | 341000   | MPR | Max Power | 340000             | 340500     | 341000   | MPR | Max Power |
|          |            |               |           | 1700 MHz           | 1702.5 MHz | 1705 MHz |     |           | 1700 MHz           | 1702.5 MHz | 1705 MHz |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 18.3       |          | 0   | 20        |                    | 17.6       |          | 0   | 19.4      |
|          |            | 1             | 50        |                    | 18.4       |          | 0   | 20        |                    | 17.6       |          | 0   | 19.4      |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |            |     |           | Mode B Power (dBm) |            |            |     |           |
|----------|------------|---------------|-----------|--------------------|------------|------------|-----|-----------|--------------------|------------|------------|-----|-----------|
|          |            |               |           | 339500             | 340500     | 341500     | MPR | Max Power | 339500             | 340500     | 341500     | MPR | Max Power |
|          |            |               |           | 1697.5 MHz         | 1702.5 MHz | 1707.5 MHz |     |           | 1697.5 MHz         | 1702.5 MHz | 1707.5 MHz |     |           |
| 5        | π/2 BPSK   | 1             | 1         | 18.4               | 18.2       | 18.4       | 0   | 20        | 17.6               | 17.5       | 17.4       | 0   | 19.4      |
|          |            | 1             | 23        | 18.4               | 18.3       | 18.4       | 0   | 20        | 17.6               | 17.5       | 17.6       | 0   | 19.4      |

**NR Band 70 Measured Results (ANT3, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |            |     |           | Mode B Power (dBm) |            |            |     |           |
|----------|------------|---------------|-----------|--------------------|------------|------------|-----|-----------|--------------------|------------|------------|-----|-----------|
|          |            |               |           | 340500             | 340500     | 340500     | MPR | Max Power | 340500             | 340500     | 340500     | MPR | Max Power |
|          |            |               |           | 1702.5 MHz         | 1702.5 MHz | 1702.5 MHz |     |           | 1702.5 MHz         | 1702.5 MHz | 1702.5 MHz |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 23.1       |            | 0   | 24.2      |                    | 21.2       |            | 0   | 22.1      |
|          |            | 1             | 77        |                    | 23.2       |            | 0   | 24.2      |                    | 21.4       |            | 0   | 22.1      |
|          |            | 36            | 22        |                    | 23.3       |            | 0   | 24.2      |                    | 21.6       |            | 0   | 22.1      |
|          | QPSK       | 1             | 1         |                    | 23.0       |            | 0   | 24.2      |                    | 21.3       |            | 0   | 22.1      |
|          |            | 1             | 77        |                    | 23.0       |            | 0   | 24.2      |                    | 21.2       |            | 0   | 22.1      |
|          |            | 36            | 22        |                    | 23.3       |            | 0   | 24.2      |                    | 21.6       |            | 0   | 22.1      |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |          |     |           | Mode B Power (dBm) |            |          |     |           |
|----------|------------|---------------|-----------|--------------------|------------|----------|-----|-----------|--------------------|------------|----------|-----|-----------|
|          |            |               |           | 340000             | 340500     | 341000   | MPR | Max Power | 340000             | 340500     | 341000   | MPR | Max Power |
|          |            |               |           | 1700 MHz           | 1702.5 MHz | 1705 MHz |     |           | 1700 MHz           | 1702.5 MHz | 1705 MHz |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 23.2       |          | 0   | 24.2      |                    | 21.4       |          | 0   | 22.1      |
|          |            | 1             | 50        |                    | 23.1       |          | 0   | 24.2      |                    | 21.3       |          | 0   | 22.1      |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |            |     |           | Mode B Power (dBm) |            |            |     |           |
|----------|------------|---------------|-----------|--------------------|------------|------------|-----|-----------|--------------------|------------|------------|-----|-----------|
|          |            |               |           | 339500             | 340500     | 341500     | MPR | Max Power | 339500             | 340500     | 341500     | MPR | Max Power |
|          |            |               |           | 1697.5 MHz         | 1702.5 MHz | 1707.5 MHz |     |           | 1697.5 MHz         | 1702.5 MHz | 1707.5 MHz |     |           |
| 5        | π/2 BPSK   | 1             | 1         | 23.0               | 23.2       | 23.1       | 0   | 24.2      | 21.2               | 21.3       | 21.2       | 0   | 22.1      |
|          |            | 1             | 23        | 23.2               | 23.1       | 23.2       | 0   | 24.2      | 21.3               | 21.2       | 21.2       | 0   | 22.1      |

**NR Band 70 Measured Results (ANT4, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |            |     |           | Mode B Power (dBm) |            |            |     |           |
|----------|------------|---------------|-----------|--------------------|------------|------------|-----|-----------|--------------------|------------|------------|-----|-----------|
|          |            |               |           | 340500             | 340500     | 340500     | MPR | Max Power | 340500             | 340500     | 340500     | MPR | Max Power |
|          |            |               |           | 1702.5 MHz         | 1702.5 MHz | 1702.5 MHz |     |           | 1702.5 MHz         | 1702.5 MHz | 1702.5 MHz |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 18.4       |            | 0   | 20        |                    | 20.4       |            | 0   | 21.8      |
|          |            | 1             | 77        |                    | 18.5       |            | 0   | 20        |                    | 20.6       |            | 0   | 21.8      |
|          |            | 36            | 22        |                    | 18.6       |            | 0   | 20        |                    | 20.6       |            | 0   | 21.8      |
|          | QPSK       | 1             | 1         |                    | 18.2       |            | 0   | 20        |                    | 19.8       |            | 0   | 21.8      |
|          |            | 1             | 77        |                    | 18.4       |            | 0   | 20        |                    | 19.8       |            | 0   | 21.8      |
|          |            | 36            | 22        |                    | 18.4       |            | 0   | 20        |                    | 19.8       |            | 0   | 21.8      |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |          |     |           | Mode B Power (dBm) |            |          |     |           |
|----------|------------|---------------|-----------|--------------------|------------|----------|-----|-----------|--------------------|------------|----------|-----|-----------|
|          |            |               |           | 340000             | 340500     | 341000   | MPR | Max Power | 340000             | 340500     | 341000   | MPR | Max Power |
|          |            |               |           | 1700 MHz           | 1702.5 MHz | 1705 MHz |     |           | 1700 MHz           | 1702.5 MHz | 1705 MHz |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 18.3       |          | 0   | 20        |                    | 19.8       |          | 0   | 21.8      |
|          |            | 1             | 50        |                    | 18.4       |          | 0   | 20        |                    | 19.8       |          | 0   | 21.8      |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |            |            |     |           | Mode B Power (dBm) |            |            |     |           |
|----------|------------|---------------|-----------|--------------------|------------|------------|-----|-----------|--------------------|------------|------------|-----|-----------|
|          |            |               |           | 339500             | 340500     | 341500     | MPR | Max Power | 339500             | 340500     | 341500     | MPR | Max Power |
|          |            |               |           | 1697.5 MHz         | 1702.5 MHz | 1707.5 MHz |     |           | 1697.5 MHz         | 1702.5 MHz | 1707.5 MHz |     |           |
| 5        | π/2 BPSK   | 1             | 1         | 18.3               | 18.5       | 18.5       | 0   | 20        | 19.8               | 19.8       | 19.8       | 0   | 21.8      |
|          |            | 1             | 23        | 18.4               | 18.4       | 18.4       | 0   | 20        | 19.8               | 19.8       | 19.8       | 0   | 21.8      |

**NR Band 71 Measured Results (ANT1, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |         |     |           | Mode B Power (dBm) |           |         |     |           |
|----------|------------|---------------|-----------|--------------------|-----------|---------|-----|-----------|--------------------|-----------|---------|-----|-----------|
|          |            |               |           | 134600             | 136100    | 137600  | MPR | Max Power | 134600             | 136100    | 137600  | MPR | Max Power |
|          |            |               |           | 673 MHz            | 680.5 MHz | 688 MHz |     |           | 673 MHz            | 680.5 MHz | 688 MHz |     |           |
| 20       | π/2 BPSK   | 1             | 1         |                    | 23.5      |         | 0   | 24.7      |                    | 23.5      |         | 0   | 24.7      |
|          |            | 1             | 104       |                    | 23.4      |         | 0   | 24.7      |                    | 23.4      |         | 0   | 24.7      |
|          |            | 50            | 28        |                    | 23.9      |         | 0   | 24.7      |                    | 23.9      |         | 0   | 24.7      |
|          | QPSK       | 1             | 1         |                    | 24.0      |         | 0   | 24.7      |                    | 24.0      |         | 0   | 24.7      |
|          |            | 1             | 104       |                    | 22.9      |         | 0   | 24.7      |                    | 22.9      |         | 0   | 24.7      |
|          |            | 50            | 28        |                    | 23.3      |         | 0   | 24.7      |                    | 23.3      |         | 0   | 24.7      |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|----------|------------|---------------|-----------|--------------------|-----------|-----------|-----|-----------|--------------------|-----------|-----------|-----|-----------|
|          |            |               |           | 134100             | 136100    | 138100    | MPR | Max Power | 134100             | 136100    | 138100    | MPR | Max Power |
|          |            |               |           | 670.5 MHz          | 680.5 MHz | 690.5 MHz |     |           | 670.5 MHz          | 680.5 MHz | 690.5 MHz |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 22.8      |           | 0   | 24.7      |                    | 22.8      |           | 0   | 24.7      |
|          |            | 1             | 77        |                    | 22.8      |           | 0   | 24.7      |                    | 22.8      |           | 0   | 24.7      |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |         |     |           | Mode B Power (dBm) |           |         |     |           |
|----------|------------|---------------|-----------|--------------------|-----------|---------|-----|-----------|--------------------|-----------|---------|-----|-----------|
|          |            |               |           | 133600             | 136100    | 138600  | MPR | Max Power | 133600             | 136100    | 138600  | MPR | Max Power |
|          |            |               |           | 668 MHz            | 680.5 MHz | 693 MHz |     |           | 668 MHz            | 680.5 MHz | 693 MHz |     |           |
| 10       | π/2 BPSK   | 1             | 1         | 22.8               | 22.9      | 22.8    | 0   | 24.7      | 22.8               | 22.9      | 22.8    | 0   | 24.7      |
|          |            | 1             | 50        | 22.9               | 22.9      | 22.9    | 0   | 24.7      | 22.9               | 22.9      | 22.9    | 0   | 24.7      |

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|----------|------------|---------------|-----------|--------------------|-----------|-----------|-----|-----------|--------------------|-----------|-----------|-----|-----------|
|          |            |               |           | 133100             | 136100    | 139100    | MPR | Max Power | 133100             | 136100    | 139100    | MPR | Max Power |
|          |            |               |           | 665.5 MHz          | 680.5 MHz | 695.5 MHz |     |           | 665.5 MHz          | 680.5 MHz | 695.5 MHz |     |           |
| 5        | π/2 BPSK   | 1             | 1         | 22.7               | 22.8      | 22.8      | 0   | 24.7      | 22.7               | 22.8      | 22.8      | 0   | 24.7      |
|          |            | 1             | 23        | 22.8               | 22.8      | 22.9      | 0   | 24.7      | 22.8               | 22.8      | 22.9      | 0   | 24.7      |

**NR Band 71 Measured Results (ANT2, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|----------|------------|---------------|-----------|--------------------|-----------|-----------|-----|-----------|--------------------|-----------|-----------|-----|-----------|
|          |            |               |           | 134600             | 136100    | 137600    | MPR | Max Power | 134600             | 136100    | 137600    | MPR | Max Power |
|          |            |               |           | 673 MHz            | 680.5 MHz | 688 MHz   |     |           | 673 MHz            | 680.5 MHz | 688 MHz   |     |           |
| 20       | π/2 BPSK   | 1             | 1         |                    | 24.6      |           | 0   | 25.7      |                    | 24.6      |           | 0   | 25.7      |
|          |            | 1             | 104       |                    | 24.7      |           | 0   | 25.7      |                    | 24.7      |           | 0   | 25.7      |
|          |            | 50            | 28        |                    | 24.9      |           | 0   | 25.7      |                    | 24.9      |           | 0   | 25.7      |
|          | QPSK       | 1             | 1         |                    | 24.3      |           | 0   | 25.7      |                    | 24.3      |           | 0   | 25.7      |
|          |            | 1             | 104       |                    | 24.3      |           | 0   | 25.7      |                    | 24.3      |           | 0   | 25.7      |
|          |            | 50            | 28        |                    | 24.7      |           | 0   | 25.7      |                    | 24.7      |           | 0   | 25.7      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|          |            |               |           | 134100             | 136100    | 138100    | MPR | Max Power | 134100             | 136100    | 138100    | MPR | Max Power |
|          |            |               |           | 670.5 MHz          | 680.5 MHz | 690.5 MHz |     |           | 670.5 MHz          | 680.5 MHz | 690.5 MHz |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 24.3      |           | 0   | 25.7      |                    | 24.3      |           | 0   | 25.7      |
|          |            | 1             | 77        |                    | 24.2      |           | 0   | 25.7      |                    | 24.2      |           | 0   | 25.7      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|          |            |               |           | 133600             | 136100    | 138600    | MPR | Max Power | 133600             | 136100    | 138600    | MPR | Max Power |
|          |            |               |           | 668 MHz            | 680.5 MHz | 693 MHz   |     |           | 668 MHz            | 680.5 MHz | 693 MHz   |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 24.2      |           | 0   | 25.7      |                    | 24.2      |           | 0   | 25.7      |
|          |            | 1             | 50        |                    | 24.4      |           | 0   | 25.7      |                    | 24.4      |           | 0   | 25.7      |
| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |           |           |     |           | Mode B Power (dBm) |           |           |     |           |
|          |            |               |           | 133100             | 136100    | 139100    | MPR | Max Power | 133100             | 136100    | 139100    | MPR | Max Power |
|          |            |               |           | 665.5 MHz          | 680.5 MHz | 695.5 MHz |     |           | 665.5 MHz          | 680.5 MHz | 695.5 MHz |     |           |
| 5        | π/2 BPSK   | 1             | 1         |                    | 24.2      |           | 0   | 25.7      |                    | 24.2      |           | 0   | 25.7      |
|          |            | 1             | 23        |                    | 24.2      |           | 0   | 25.7      |                    | 24.2      |           | 0   | 25.7      |

**NR Band 77 (Block A) Measured Results (ANT7, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |             |             |     |           | Mode B Power (dBm) |             |             |     |           |
|----------|------------|---------------|-----------|--------------------|-------------|-------------|-----|-----------|--------------------|-------------|-------------|-----|-----------|
|          |            |               |           | 633334             | 633334      | 633332      | MPR | Max Power | 633334             | 633334      | 633332      | MPR | Max Power |
|          |            |               |           | 3500.01 MHz        | 3500.01 MHz | 3499.98 MHz |     |           | 3500.01 MHz        | 3500.01 MHz | 3499.98 MHz |     |           |
| 100      | π/2 BPSK   | 1             | 1         |                    | 22.1        |             | 0   | 23.8      |                    | 17.5        |             | 0   | 19        |
|          |            | 1             | 271       |                    | 21.9        |             | 0   | 23.8      |                    | 17.2        |             | 0   | 19        |
|          |            | 135           | 69        |                    | 22.2        |             | 0   | 23.8      |                    | 17.5        |             | 0   | 19        |
|          | QPSK       | 1             | 1         |                    | 22.3        |             | 0   | 23.8      |                    | 17.5        |             | 0   | 19        |
|          |            | 1             | 271       |                    | 22.0        |             | 0   | 23.8      |                    | 17.3        |             | 0   | 19        |
|          |            | 135           | 69        |                    | 22.2        |             | 0   | 23.8      |                    | 17.5        |             | 0   | 19        |
| 90       | π/2 BPSK   | 1             | 1         |                    | 21.8        |             | 0   | 23.8      |                    | 17.1        |             | 0   | 19        |
|          |            | 1             | 243       |                    | 21.9        |             | 0   | 23.8      |                    | 17.1        |             | 0   | 19        |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 80       | π/2 BPSK   | 1             | 1         |                    | 22.0        |             | 0   | 23.8      |                    | 17.3        |             | 0   | 19        |
|          |            | 1             | 215       |                    | 21.9        |             | 0   | 23.8      |                    | 17.1        |             | 0   | 19        |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 70       | π/2 BPSK   | 1             | 1         |                    | 21.8        |             | 0   | 23.8      |                    | 17.1        |             | 0   | 19        |
|          |            | 1             | 187       |                    | 22.0        |             | 0   | 23.8      |                    | 17.2        |             | 0   | 19        |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 60       | π/2 BPSK   | 1             | 1         |                    | 21.9        |             | 0   | 23.8      |                    | 17.3        |             | 0   | 19        |
|          |            | 1             | 160       |                    | 21.9        |             | 0   | 23.8      |                    | 17.2        |             | 0   | 19        |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 50       | π/2 BPSK   | 1             | 1         |                    | 21.9        |             | 0   | 23.8      |                    | 17.3        |             | 0   | 19        |
|          |            | 1             | 131       |                    | 21.8        |             | 0   | 23.8      |                    | 17.3        |             | 0   | 19        |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 40       | π/2 BPSK   | 1             | 1         |                    | 22.1        |             | 0   | 23.8      |                    | 17.5        |             | 0   | 19        |
|          |            | 1             | 104       |                    | 22.0        |             | 0   | 23.8      |                    | 17.5        |             | 0   | 19        |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 30       | π/2 BPSK   | 1             | 1         |                    | 22.0        |             | 0   | 23.8      |                    | 17.5        |             | 0   | 19        |
|          |            | 1             | 76        |                    | 22.0        |             | 0   | 23.8      |                    | 17.5        |             | 0   | 19        |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 25       | π/2 BPSK   | 1             | 1         |                    | 21.8        |             | 0   | 23.8      |                    | 17.2        |             | 0   | 19        |
|          |            | 1             | 63        |                    | 21.9        |             | 0   | 23.8      |                    | 17.2        |             | 0   | 19        |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 20       | π/2 BPSK   | 1             | 1         |                    | 21.8        |             | 0   | 23.8      |                    | 17.4        |             | 0   | 19        |
|          |            | 1             | 49        |                    | 21.9        |             | 0   | 23.8      |                    | 17.4        |             | 0   | 19        |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 15       | π/2 BPSK   | 1             | 1         |                    | 21.8        |             | 0   | 23.8      |                    | 17.3        |             | 0   | 19        |
|          |            | 1             | 36        |                    | 21.8        |             | 0   | 23.8      |                    | 17.3        |             | 0   | 19        |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 10       | π/2 BPSK   | 1             | 1         |                    | 21.9        |             | 0   | 23.8      |                    | 17.3        |             | 0   | 19        |
|          |            | 1             | 22        |                    | 21.9        |             | 0   | 23.8      |                    | 17.2        |             | 0   | 19        |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |

**NR Band 77 (Block C) Measured Results (ANT7, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm)    |                       |                       |                    |                    |                       | Mode B Power (dBm) |           |                       |                       |                       |                    |                    |                       |      |           |  |  |   |    |    |    |
|----------|------------|---------------|-----------|-----------------------|-----------------------|-----------------------|--------------------|--------------------|-----------------------|--------------------|-----------|-----------------------|-----------------------|-----------------------|--------------------|--------------------|-----------------------|------|-----------|--|--|---|----|----|----|
|          |            |               |           | 650002<br>3750.03 MHz | 652402<br>3786.03 MHz | 654802<br>3822.03 MHz | 657200<br>3858 MHz | 659600<br>3894 MHz | 661998<br>3929.97 MHz | MFR                | Max Power | 650002<br>3750.03 MHz | 652402<br>3786.03 MHz | 654802<br>3822.03 MHz | 657200<br>3858 MHz | 659600<br>3894 MHz | 661998<br>3929.97 MHz | MFR  | Max Power |  |  |   |    |    |    |
| 100      | π/2 BPSK   | 1             | 1         |                       |                       |                       | 22.2               |                    |                       |                    |           |                       |                       |                       |                    |                    | 17.5                  |      |           |  |  | 0 | 19 |    |    |
|          |            |               |           |                       |                       |                       | 21.9               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       |      | 17.3      |  |  |   |    | 0  | 19 |
|          |            |               |           |                       |                       |                       | 22.1               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       |      | 17.4      |  |  |   |    | 0  | 19 |
|          | QPSK       | 1             | 1         |                       |                       |                       | 21.9               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.1 |           |  |  |   | 0  | 19 |    |
|          |            |               |           |                       |                       |                       | 21.8               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.0 |           |  |  |   | 0  | 19 |    |
|          |            |               |           |                       |                       |                       | 21.8               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.1 |           |  |  |   | 0  | 19 |    |
| 90       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 22.3               |                    |                       |                    |           |                       |                       |                       |                    |                    | 17.5                  |      |           |  |  | 0 | 19 |    |    |
|          |            |               |           |                       |                       |                       | 21.9               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.3 |           |  |  |   | 0  | 19 |    |
|          |            |               |           |                       |                       |                       |                    |                    |                       |                    |           |                       |                       |                       |                    |                    |                       |      |           |  |  |   |    | 0  | 19 |
| 80       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 22.2               |                    |                       |                    |           |                       |                       |                       |                    |                    | 17.5                  |      |           |  |  | 0 | 19 |    |    |
|          |            |               |           |                       |                       |                       | 21.9               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.3 |           |  |  |   | 0  | 19 |    |
|          |            |               |           |                       |                       |                       |                    |                    |                       |                    |           |                       |                       |                       |                    |                    |                       |      |           |  |  |   |    | 0  | 19 |
| 70       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 22.1               |                    |                       |                    |           |                       |                       |                       |                    |                    | 17.4                  |      |           |  |  | 0 | 19 |    |    |
|          |            |               |           |                       |                       |                       | 21.8               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.9 |           |  |  |   | 0  | 19 |    |
|          |            |               |           |                       |                       |                       |                    |                    |                       |                    |           |                       |                       |                       |                    |                    |                       |      |           |  |  |   |    | 0  | 19 |
| 60       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 22.1               |                    |                       |                    |           |                       |                       |                       |                    |                    | 17.3                  |      |           |  |  | 0 | 19 |    |    |
|          |            |               |           |                       |                       |                       | 21.9               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.3 |           |  |  |   | 0  | 19 |    |
|          |            |               |           |                       |                       |                       |                    |                    |                       |                    |           |                       |                       |                       |                    |                    |                       |      |           |  |  |   |    | 0  | 19 |
| 50       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 22.1               |                    |                       |                    |           |                       |                       |                       |                    |                    | 17.4                  |      |           |  |  | 0 | 19 |    |    |
|          |            |               |           |                       |                       |                       | 22.0               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.4 |           |  |  |   | 0  | 19 |    |
|          |            |               |           |                       |                       |                       |                    |                    |                       |                    |           |                       |                       |                       |                    |                    |                       |      |           |  |  |   |    | 0  | 19 |
| 40       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 22.1               |                    |                       |                    |           |                       |                       |                       |                    |                    | 17.5                  |      |           |  |  | 0 | 19 |    |    |
|          |            |               |           |                       |                       |                       | 22.2               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.4 |           |  |  |   | 0  | 19 |    |
|          |            |               |           |                       |                       |                       | 22.1               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.3 |           |  |  |   | 0  | 19 |    |
| 30       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 22.4               |                    |                       |                    |           |                       |                       |                       |                    |                    | 17.5                  |      |           |  |  | 0 | 19 |    |    |
|          |            |               |           |                       |                       |                       | 22.1               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.2 |           |  |  |   | 0  | 19 |    |
|          |            |               |           |                       |                       |                       | 22.1               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.3 |           |  |  |   | 0  | 19 |    |
| 25       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 22.2               |                    |                       |                    |           |                       |                       |                       |                    |                    | 17.6                  |      |           |  |  | 0 | 19 |    |    |
|          |            |               |           |                       |                       |                       | 22.0               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.4 |           |  |  |   | 0  | 19 |    |
|          |            |               |           |                       |                       |                       |                    |                    |                       |                    |           |                       |                       |                       |                    |                    |                       |      |           |  |  |   |    | 0  | 19 |
| 20       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 22.3               |                    |                       |                    |           |                       |                       |                       |                    |                    | 17.6                  |      |           |  |  | 0 | 19 |    |    |
|          |            |               |           |                       |                       |                       | 22.0               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.6 |           |  |  |   | 0  | 19 |    |
|          |            |               |           |                       |                       |                       | 22.0               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.7 |           |  |  |   | 0  | 19 |    |
| 15       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 22.3               |                    |                       |                    |           |                       |                       |                       |                    |                    | 17.6                  |      |           |  |  | 0 | 19 |    |    |
|          |            |               |           |                       |                       |                       | 22.0               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.5 |           |  |  |   | 0  | 19 |    |
|          |            |               |           |                       |                       |                       | 22.0               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.7 |           |  |  |   | 0  | 19 |    |
| 10       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 22.2               |                    |                       |                    |           |                       |                       |                       |                    |                    | 17.7                  |      |           |  |  | 0 | 19 |    |    |
|          |            |               |           |                       |                       |                       | 22.1               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.7 |           |  |  |   | 0  | 19 |    |
|          |            |               |           |                       |                       |                       | 22.1               |                    |                       |                    |           |                       |                       |                       |                    |                    |                       | 17.8 |           |  |  |   | 0  | 19 |    |

**NR Band 77 (Block A) Measured Results (ANT8, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |             |             |      |           | Mode B Power (dBm) |             |             |      |           |      |
|----------|------------|---------------|-----------|--------------------|-------------|-------------|------|-----------|--------------------|-------------|-------------|------|-----------|------|
|          |            |               |           | 633334             | 633334      | 633332      | MPR  | Max Power | 633334             | 633334      | 633332      | MPR  | Max Power |      |
|          |            |               |           | 3500.01 MHz        | 3500.01 MHz | 3499.98 MHz |      |           | 3500.01 MHz        | 3500.01 MHz | 3499.98 MHz |      |           |      |
| 100      | π/2 BPSK   | 1             | 1         |                    | 22.2        |             | 0    | 23.6      |                    | 18.6        |             | 0    | 20.1      |      |
|          |            | 1             | 271       |                    | 22.2        |             | 0    | 23.6      |                    | 18.6        |             | 0    | 20.1      |      |
|          |            | 135           | 69        |                    | 22.2        |             | 0    | 23.6      |                    | 18.1        |             | 0    | 20.1      |      |
|          | QPSK       | 1             | 1         |                    | 21.6        |             | 0    | 23.6      |                    | 18.1        |             | 0    | 20.1      |      |
|          |            | 1             | 271       |                    | 21.6        |             | 0    | 23.6      |                    | 18.1        |             | 0    | 20.1      |      |
|          |            | 135           | 69        |                    | 21.6        |             | 0    | 23.6      |                    | 18.1        |             | 0    | 20.1      |      |
| 90       | π/2 BPSK   | 1             | 1         |                    | 21.9        |             | 0    | 23.6      |                    | 18.7        |             | 0    | 20.1      |      |
|          |            | 1             | 243       |                    | 21.8        |             | 0    | 23.6      |                    | 18.6        |             | 0    | 20.1      |      |
|          |            | 80            | π/2 BPSK  | 1                  | 1           |             | 22.1 |           | 0                  | 23.6        |             | 18.8 |           | 0    |
| 1        | 215        |               |           |                    | 21.9        |             | 0    | 23.6      |                    | 18.6        |             | 0    | 20.1      |      |
| 70       | π/2 BPSK   |               |           | 1                  | 1           |             | 22.0 |           | 0                  | 23.6        |             | 18.7 |           | 0    |
|          |            | 1             | 187       |                    | 21.8        |             | 0    | 23.6      |                    | 18.4        |             | 0    | 20.1      |      |
|          |            | 60            | π/2 BPSK  | 1                  | 1           |             | 22.0 |           | 0                  | 23.6        |             | 18.7 |           | 0    |
| 1        | 160        |               |           |                    | 21.9        |             | 0    | 23.6      |                    | 18.5        |             | 0    | 20.1      |      |
| 50       | π/2 BPSK   |               |           | 1                  | 1           |             | 21.9 |           | 0                  | 23.6        |             | 18.8 |           | 0    |
|          |            | 1             | 131       |                    | 21.8        |             | 0    | 23.6      |                    | 18.7        |             | 0    | 20.1      |      |
|          |            | 40            | π/2 BPSK  | 1                  | 1           |             | 22.0 |           | 0                  | 23.6        |             | 18.9 |           | 0    |
| 1        | 104        |               |           |                    | 22.0        |             | 0    | 23.6      |                    | 18.9        |             | 0    | 20.1      |      |
| 30       | π/2 BPSK   |               |           | 1                  | 1           |             | 22.2 | 22.1      | 22.1               | 0           | 23.6        | 18.9 | 18.9      | 18.8 |
|          |            | 1             | 76        |                    | 22.1        | 21.9        | 22.0 | 0         | 23.6               | 18.9        | 18.7        | 18.9 | 0         | 20.1 |
|          |            | 25            | π/2 BPSK  | 1                  | 1           |             | 22.0 | 21.9      | 21.9               | 0           | 23.6        | 18.8 | 18.6      | 18.7 |
| 1        | 63         |               |           |                    | 22.0        | 21.8        | 21.8 | 0         | 23.6               | 18.8        | 18.5        | 18.6 | 0         | 20.1 |
| 20       | π/2 BPSK   |               |           | 1                  | 1           |             | 22.1 | 21.9      | 21.9               | 0           | 23.6        | 19.0 | 18.8      | 18.7 |
|          |            | 1             | 49        |                    | 22.1        | 21.8        | 21.9 | 0         | 23.6               | 18.8        | 18.5        | 18.6 | 0         | 20.1 |
|          |            | 15            | π/2 BPSK  | 1                  | 1           |             | 22.1 | 22.0      | 22.0               | 0           | 23.6        | 18.8 | 18.6      | 18.6 |
| 1        | 36         |               |           |                    | 22.1        | 21.8        | 22.0 | 0         | 23.6               | 18.8        | 18.6        | 18.6 | 0         | 20.1 |
| 10       | π/2 BPSK   |               |           | 1                  | 1           |             | 22.1 | 21.9      | 21.9               | 0           | 23.6        | 18.9 | 18.7      | 18.6 |
|          |            | 1             | 22        |                    | 22.1        | 21.8        | 22.0 | 0         | 23.6               | 18.9        | 18.5        | 18.6 | 0         | 20.1 |

**NR Band 77 (Block C) Measured Results (ANT8, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |             |             |             |            |             |      | Mode B Power (dBm) |             |             |             |             |            |             |      |           |
|----------|------------|---------------|-----------|--------------------|-------------|-------------|-------------|------------|-------------|------|--------------------|-------------|-------------|-------------|-------------|------------|-------------|------|-----------|
|          |            |               |           | 650002             | 652402      | 654802      | 657200      | 659600     | 661998      | MFR  | Max Power          | 650002      | 652402      | 654802      | 657200      | 659600     | 661998      | MFR  | Max Power |
| 100      | π/2 BPSK   | 1             | 1         | 3750.03 MHz        | 3786.03 MHz | 3822.03 MHz | 3858 MHz    | 3894 MHz   | 3929.97 MHz | 0    | 23.6               | 3750.03 MHz | 3786.03 MHz | 3822.03 MHz | 3858 MHz    | 3894 MHz   | 3929.97 MHz | 0    | 20.1      |
|          |            |               |           | 22.1               | 22.1        | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.9        | 18.9        | 18.5        | 18.5        | 18.1       | 18.1        | 0    | 20.1      |
|          |            |               |           | 135                | 69          | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
|          | QPSK       | 1             | 1         | 3750.03 MHz        | 3786.03 MHz | 3822.03 MHz | 3858 MHz    | 3894 MHz   | 3929.97 MHz | 0    | 23.6               | 3750.03 MHz | 3786.03 MHz | 3822.03 MHz | 3858 MHz    | 3894 MHz   | 3929.97 MHz | 0    | 20.1      |
|          |            |               |           | 21.6               | 21.6        | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
|          |            |               |           | 135                | 69          | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
| 90       | π/2 BPSK   | 1             | 1         | 3745.02 MHz        | 3783.03 MHz | 3821.01 MHz | 3859.02 MHz | 3897 MHz   | 3934.98 MHz | 0    | 23.6               | 3745.02 MHz | 3783.03 MHz | 3821.01 MHz | 3859.02 MHz | 3897 MHz   | 3934.98 MHz | 0    | 20.1      |
|          |            |               |           | 21.6               | 21.6        | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
|          |            |               |           | 1                  | 243         | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
| 80       | π/2 BPSK   | 1             | 1         | 3740.04 MHz        | 3780.03 MHz | 3820.02 MHz | 3860.01 MHz | 3900 MHz   | 3939.96 MHz | 0    | 23.6               | 3740.04 MHz | 3780.03 MHz | 3820.02 MHz | 3860.01 MHz | 3900 MHz   | 3939.96 MHz | 0    | 20.1      |
|          |            |               |           | 21.6               | 21.6        | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
|          |            |               |           | 1                  | 215         | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
| 70       | π/2 BPSK   | 1             | 1         | 3735.03 MHz        | 3777.03 MHz | 3819.03 MHz | 3861 MHz    | 3903 MHz   | 3944.97 MHz | 0    | 23.6               | 3735.03 MHz | 3777.03 MHz | 3819.03 MHz | 3861 MHz    | 3903 MHz   | 3944.97 MHz | 0    | 20.1      |
|          |            |               |           | 21.6               | 21.6        | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
|          |            |               |           | 1                  | 187         | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
| 60       | π/2 BPSK   | 1             | 1         | 3730.02 MHz        | 3774.03 MHz | 3818.01 MHz | 3862.02 MHz | 3906 MHz   | 3949.98 MHz | 0    | 23.6               | 3730.02 MHz | 3774.03 MHz | 3818.01 MHz | 3862.02 MHz | 3906 MHz   | 3949.98 MHz | 0    | 20.1      |
|          |            |               |           | 21.6               | 21.6        | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
|          |            |               |           | 1                  | 160         | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
| 50       | π/2 BPSK   | 1             | 1         | 3725.04 MHz        | 3771.03 MHz | 3817.02 MHz | 3863.01 MHz | 3909 MHz   | 3954.96 MHz | 0    | 23.6               | 3725.04 MHz | 3771.03 MHz | 3817.02 MHz | 3863.01 MHz | 3909 MHz   | 3954.96 MHz | 0    | 20.1      |
|          |            |               |           | 21.6               | 21.6        | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
|          |            |               |           | 1                  | 131         | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
| 40       | π/2 BPSK   | 1             | 1         | 3720.03 MHz        | 3768.03 MHz | 3816.03 MHz | 3864 MHz    | 3912 MHz   | 3959.97 MHz | 0    | 23.6               | 3720.03 MHz | 3768.03 MHz | 3816.03 MHz | 3864 MHz    | 3912 MHz   | 3959.97 MHz | 0    | 20.1      |
|          |            |               |           | 21.6               | 21.6        | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.4        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
|          |            |               |           | 1                  | 104         | 21.6        | 21.6        | 21.6       | 21.6        | 21.6 | 0                  | 23.6        | 18.3        | 18.1        | 18.1        | 18.2       | 18.1        | 18.1 | 0         |
| 30       | π/2 BPSK   | 1             | 1         | 3715.02 MHz        | 3765.03 MHz | 3815.01 MHz | 3865.02 MHz | 3915 MHz   | 3964.98 MHz | 0    | 23.6               | 3715.02 MHz | 3765.03 MHz | 3815.01 MHz | 3865.02 MHz | 3915 MHz   | 3964.98 MHz | 0    | 20.1      |
|          |            |               |           | 21.6               | 21.6        | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
|          |            |               |           | 1                  | 76          | 21.6        | 21.6        | 21.6       | 21.6        | 21.6 | 0                  | 23.6        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 18.1 | 0         |
| 25       | π/2 BPSK   | 1             | 1         | 3712.53 MHz        | 3763.53 MHz | 3814.53 MHz | 3865.5 MHz  | 3916.5 MHz | 3967.47 MHz | 0    | 23.6               | 3712.53 MHz | 3763.53 MHz | 3814.53 MHz | 3865.5 MHz  | 3916.5 MHz | 3967.47 MHz | 0    | 20.1      |
|          |            |               |           | 21.6               | 21.6        | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
|          |            |               |           | 1                  | 63          | 21.6        | 21.6        | 21.6       | 21.6        | 21.6 | 0                  | 23.6        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 18.1 | 0         |
| 20       | π/2 BPSK   | 1             | 1         | 3710.04 MHz        | 3762.03 MHz | 3814.02 MHz | 3866.01 MHz | 3918 MHz   | 3969.96 MHz | 0    | 23.6               | 3710.04 MHz | 3762.03 MHz | 3814.02 MHz | 3866.01 MHz | 3918 MHz   | 3969.96 MHz | 0    | 20.1      |
|          |            |               |           | 21.6               | 21.6        | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
|          |            |               |           | 1                  | 49          | 21.6        | 21.6        | 21.6       | 21.6        | 21.6 | 0                  | 23.6        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 18.1 | 0         |
| 15       | π/2 BPSK   | 1             | 1         | 3707.52 MHz        | 3760.53 MHz | 3813.51 MHz | 3866.52 MHz | 3919.5 MHz | 3972.48 MHz | 0    | 23.6               | 3707.52 MHz | 3760.53 MHz | 3813.51 MHz | 3866.52 MHz | 3919.5 MHz | 3972.48 MHz | 0    | 20.1      |
|          |            |               |           | 21.6               | 21.6        | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
|          |            |               |           | 1                  | 36          | 21.6        | 21.6        | 21.6       | 21.6        | 21.6 | 0                  | 23.6        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 18.1 | 0         |
| 10       | π/2 BPSK   | 1             | 1         | 3705.03 MHz        | 3759.03 MHz | 3813.03 MHz | 3867 MHz    | 3921 MHz   | 3974.97 MHz | 0    | 23.6               | 3705.03 MHz | 3759.03 MHz | 3813.03 MHz | 3867 MHz    | 3921 MHz   | 3974.97 MHz | 0    | 20.1      |
|          |            |               |           | 21.6               | 21.6        | 21.6        | 21.6        | 21.6       | 21.6        | 0    | 23.6               | 18.1        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 0    | 20.1      |
|          |            |               |           | 1                  | 22          | 21.6        | 21.6        | 21.6       | 21.6        | 21.6 | 0                  | 23.6        | 18.1        | 18.1        | 18.1        | 18.1       | 18.1        | 18.1 | 0         |

**NR Band 77 (Block A) Measured Results (ANT9, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |             |             |      |           | Mode B Power (dBm) |             |             |      |           |
|----------|------------|---------------|-----------|--------------------|-------------|-------------|------|-----------|--------------------|-------------|-------------|------|-----------|
|          |            |               |           | 633334             | 633334      | 633332      | MPR  | Max Power | 633334             | 633334      | 633332      | MPR  | Max Power |
|          |            |               |           | 3500.01 MHz        | 3500.01 MHz | 3499.98 MHz |      |           | 3500.01 MHz        | 3500.01 MHz | 3499.98 MHz |      |           |
| 100      | π/2 BPSK   | 1             | 1         |                    | 20.9        |             | 0    | 21.6      |                    | 17.9        |             | 0    | 18.9      |
|          |            | 1             | 271       |                    | 20.9        |             | 0    | 21.6      |                    | 17.8        |             | 0    | 18.9      |
|          |            | 135           | 69        |                    | 21.1        |             | 0    | 21.6      |                    | 18.0        |             | 0    | 18.9      |
|          | QPSK       | 1             | 1         |                    | 21.3        |             | 0    | 21.6      |                    | 17.8        |             | 0    | 18.9      |
|          |            | 1             | 271       |                    | 21.0        |             | 0    | 21.6      |                    | 17.6        |             | 0    | 18.9      |
|          |            | 135           | 69        |                    | 21.4        |             | 0    | 21.6      |                    | 18.0        |             | 0    | 18.9      |
| 90       | π/2 BPSK   | 1             | 1         |                    | 21.1        |             | 0    | 21.6      |                    | 17.8        |             | 0    | 18.9      |
|          |            | 1             | 243       |                    | 21.0        |             | 0    | 21.6      |                    | 17.6        |             | 0    | 18.9      |
|          |            | 80            | π/2 BPSK  | 1                  | 1           |             | 21.2 |           | 0                  | 21.6        |             | 17.9 |           |
| 1        | 215        |               |           |                    | 21.0        |             | 0    | 21.6      |                    | 17.7        |             | 0    | 18.9      |
| 70       | π/2 BPSK   |               |           | 1                  | 1           |             | 21.1 |           | 0                  | 21.6        |             | 17.7 |           |
|          |            | 1             | 187       |                    | 20.8        |             | 0    | 21.6      |                    | 17.6        |             | 0    | 18.9      |
|          |            | 60            | π/2 BPSK  | 1                  | 1           |             | 21.1 |           | 0                  | 21.6        |             | 17.8 |           |
| 1        | 160        |               |           |                    | 21.0        |             | 0    | 21.6      |                    | 17.6        |             | 0    | 18.9      |
| 50       | π/2 BPSK   |               |           | 1                  | 1           |             | 21.2 |           | 0                  | 21.6        |             | 18.0 |           |
|          |            | 1             | 131       |                    | 21.1        |             | 0    | 21.6      |                    | 17.8        |             | 0    | 18.9      |
|          |            | 40            | π/2 BPSK  | 1                  | 1           |             | 21.4 |           | 0                  | 21.6        |             | 18.1 |           |
| 1        | 104        |               |           |                    | 21.3        |             | 0    | 21.6      |                    | 18.1        |             | 0    | 18.9      |
| 30       | π/2 BPSK   |               |           | 1                  | 1           | 21.4        | 21.2 | 21.3      | 0                  | 21.6        | 18.0        | 17.9 | 17.9      |
|          |            | 1             | 76        | 21.3               | 21.1        | 21.1        | 0    | 21.6      | 18.0               | 17.8        | 17.8        | 0    | 18.9      |
|          |            | 25            | π/2 BPSK  | 1                  | 1           | 21.1        | 21.0 | 20.9      | 0                  | 21.6        | 17.9        | 17.9 | 17.7      |
| 1        | 63         |               |           | 21.0               | 21.0        | 20.9        | 0    | 21.6      | 17.8               | 17.8        | 17.7        | 0    | 18.9      |
| 20       | π/2 BPSK   |               |           | 1                  | 1           | 21.2        | 21.1 | 21.0      | 0                  | 21.6        | 18.0        | 17.9 | 17.7      |
|          |            | 1             | 49        | 21.2               | 21.1        | 21.0        | 0    | 21.6      | 17.9               | 17.8        | 17.8        | 0    | 18.9      |
|          |            | 15            | π/2 BPSK  | 1                  | 1           | 21.2        | 21.1 | 21.0      | 0                  | 21.6        | 18.0        | 17.9 | 17.8      |
| 1        | 36         |               |           | 21.1               | 21.0        | 20.9        | 0    | 21.6      | 17.8               | 17.8        | 17.7        | 0    | 18.9      |
| 10       | π/2 BPSK   |               |           | 1                  | 1           | 21.2        | 21.0 | 21.0      | 0                  | 21.6        | 18.0        | 17.7 | 17.7      |
|          |            | 1             | 22        | 21.1               | 21.1        | 20.9        | 0    | 21.6      | 17.9               | 17.8        | 17.7        | 0    | 18.9      |



**NR Band 77 (Block C) Measured Results (ANT9, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm)    |                       |                       |                    |                    |                       |     | Mode B Power (dBm) |                       |                       |                       |                    |                    |                       |     |           |   |      |
|----------|------------|---------------|-----------|-----------------------|-----------------------|-----------------------|--------------------|--------------------|-----------------------|-----|--------------------|-----------------------|-----------------------|-----------------------|--------------------|--------------------|-----------------------|-----|-----------|---|------|
|          |            |               |           | 650002<br>3750.03 MHz | 652402<br>3786.03 MHz | 654802<br>3822.03 MHz | 657200<br>3858 MHz | 659600<br>3894 MHz | 661998<br>3929.97 MHz | MFR | Max Power          | 650002<br>3750.03 MHz | 652402<br>3786.03 MHz | 654802<br>3822.03 MHz | 657200<br>3858 MHz | 659600<br>3894 MHz | 661998<br>3929.97 MHz | MFR | Max Power |   |      |
| 100      | π/2 BPSK   | 1             | 1         |                       |                       |                       | 21.1               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.9               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 20.9               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.5               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 21.0               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.8               |                       |     |           | 0 | 18.9 |
|          | QPSK       | 1             | 1         |                       |                       |                       | 21.2               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.8               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 21.0               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.4               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 21.3               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.7               |                       |     |           | 0 | 18.9 |
| 90       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 20.6               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.6               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 20.5               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.2               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       |     |           |   |      |
| 80       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 20.9               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.7               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 20.7               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.4               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       |     |           |   |      |
| 70       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 20.9               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.8               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 20.6               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.4               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       |     |           |   |      |
| 60       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 20.6               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.7               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 20.5               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.4               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       |     |           |   |      |
| 50       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 21.0               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.8               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 20.8               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.5               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       |     |           |   |      |
| 40       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 21.1               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 18.0               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 21.2               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.6               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 21.3               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 18.1               |                       |     |           | 0 | 18.9 |
| 30       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 21.0               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.8               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 20.9               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.7               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 21.1               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 18.1               |                       |     |           | 0 | 18.9 |
| 25       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 21.1               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.8               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 21.2               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 18.0               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       |     |           |   |      |
| 20       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 21.0               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.8               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 21.0               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.7               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 21.0               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 17.9               |                       |     |           | 0 | 18.9 |
| 15       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 21.4               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 18.2               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 21.5               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 18.2               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       |     |           |   |      |
| 10       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 21.4               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 18.1               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       | 21.4               |                    |                       |     | 0                  | 21.6                  |                       |                       |                    | 18.2               |                       |     |           | 0 | 18.9 |
|          |            |               |           |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       |     |           |   |      |

**NR Band 77 (Block A) Measured Results (ANT4, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm) |             |             |     |           | Mode B Power (dBm) |             |             |     |           |
|----------|------------|---------------|-----------|--------------------|-------------|-------------|-----|-----------|--------------------|-------------|-------------|-----|-----------|
|          |            |               |           | 633334             | 633334      | 633332      | MPR | Max Power | 633334             | 633334      | 633332      | MPR | Max Power |
|          |            |               |           | 3500.01 MHz        | 3500.01 MHz | 3499.98 MHz |     |           | 3500.01 MHz        | 3500.01 MHz | 3499.98 MHz |     |           |
| 100      | π/2 BPSK   | 1             | 1         |                    | 17.5        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            | 1             | 271       |                    | 17.2        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            | 135           | 69        |                    | 17.5        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          | QPSK       | 1             | 1         |                    | 17.2        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            | 1             | 271       |                    | 17.2        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            | 135           | 69        |                    | 17.2        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
| 90       | π/2 BPSK   | 1             | 1         |                    | 17.2        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            | 1             | 243       |                    | 17.0        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 80       | π/2 BPSK   | 1             | 1         |                    | 17.1        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            | 1             | 215       |                    | 17.1        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 70       | π/2 BPSK   | 1             | 1         |                    | 17.0        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            | 1             | 187       |                    | 17.0        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 60       | π/2 BPSK   | 1             | 1         |                    | 17.2        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            | 1             | 160       |                    | 17.1        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 50       | π/2 BPSK   | 1             | 1         |                    | 17.2        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            | 1             | 131       |                    | 17.3        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 40       | π/2 BPSK   | 1             | 1         |                    | 17.4        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            | 1             | 104       |                    | 17.6        |             | 0   | 18.9      |                    | 19.3        |             | 0   | 20.3      |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 30       | π/2 BPSK   | 1             | 1         | 17.6               | 17.4        | 17.4        | 0   | 18.9      | 19.3               | 19.3        | 19.3        | 0   | 20.3      |
|          |            | 1             | 76        | 17.4               | 17.4        | 17.4        | 0   | 18.9      | 19.3               | 19.4        | 19.2        | 0   | 20.3      |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 25       | π/2 BPSK   | 1             | 1         | 17.3               | 17.2        | 17.2        | 0   | 18.9      | 19.3               | 19.3        | 19.3        | 0   | 20.3      |
|          |            | 1             | 63        | 17.2               | 17.2        | 17.1        | 0   | 18.9      | 19.3               | 19.3        | 19.3        | 0   | 20.3      |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 20       | π/2 BPSK   | 1             | 1         | 17.3               | 17.3        | 17.3        | 0   | 18.9      | 19.3               | 19.3        | 19.3        | 0   | 20.3      |
|          |            | 1             | 49        | 17.3               | 17.4        | 17.3        | 0   | 18.9      | 19.3               | 19.3        | 19.3        | 0   | 20.3      |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 15       | π/2 BPSK   | 1             | 1         | 17.5               | 17.2        | 17.2        | 0   | 18.9      | 19.3               | 19.3        | 19.3        | 0   | 20.3      |
|          |            | 1             | 36        | 17.3               | 17.3        | 17.2        | 0   | 18.9      | 19.3               | 19.3        | 19.3        | 0   | 20.3      |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |
| 10       | π/2 BPSK   | 1             | 1         | 17.3               | 17.2        | 17.2        | 0   | 18.9      | 19.3               | 19.3        | 19.3        | 0   | 20.3      |
|          |            | 1             | 22        | 17.3               | 17.3        | 17.1        | 0   | 18.9      | 19.3               | 19.3        | 19.3        | 0   | 20.3      |
|          |            |               |           |                    |             |             |     |           |                    |             |             |     |           |

**NR Band 77 (Block C) Measured Results (ANT4, Power State 1)**

| BW (MHz) | Modulation | RB Allocation | RB offset | Mode A Power (dBm)    |                       |                       |                    |                    |                       |     | Mode B Power (dBm) |                       |                       |                       |                    |                    |                       |      |           |      |      |      |
|----------|------------|---------------|-----------|-----------------------|-----------------------|-----------------------|--------------------|--------------------|-----------------------|-----|--------------------|-----------------------|-----------------------|-----------------------|--------------------|--------------------|-----------------------|------|-----------|------|------|------|
|          |            |               |           | 650002<br>3750.03 MHz | 652402<br>3786.03 MHz | 654802<br>3822.03 MHz | 657200<br>3858 MHz | 659600<br>3894 MHz | 661998<br>3929.97 MHz | MFR | Max Power          | 650002<br>3750.03 MHz | 652402<br>3786.03 MHz | 654802<br>3822.03 MHz | 657200<br>3858 MHz | 659600<br>3894 MHz | 661998<br>3929.97 MHz | MFR  | Max Power |      |      |      |
| 100      | π/2 BPSK   | 1             | 1         |                       |                       |                       | 17.0               |                    |                       |     |                    |                       |                       |                       |                    | 19.1               |                       |      | 0         | 20.3 |      |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    | 18.8                  |      |           | 0    | 20.3 |      |
|          |            |               | 271       |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
|          | QPSK       | 1             | 69        |                       |                       |                       | 17.0               |                    |                       |     |                    |                       |                       |                       |                    |                    | 19.1                  |      |           | 0    | 20.3 |      |
|          |            |               | 1         |                       |                       |                       | 17.3               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.6 |           |      | 0    | 20.3 |
|          |            |               | 271       |                       |                       |                       | 17.1               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.5 |           |      | 0    | 20.3 |
| 1        | 69         |               |           |                       | 17.3                  |                       |                    |                    |                       |     |                    |                       |                       |                       |                    | 18.6               |                       |      | 0         | 20.3 |      |      |
| 90       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    | 18.3               |                       |      | 0         | 20.3 |      |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    | 18.3                  |      |           | 0    | 20.3 |      |
|          |            |               | 243       |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.3 |           |      | 0    | 20.3 |
|          | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    | 18.3                  |      |           | 0    | 20.3 |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.2 |           |      | 0    | 20.3 |
|          |            |               | 215       |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.2 |           |      | 0    | 20.3 |
| 80       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    | 18.3               |                       |      | 0         | 20.3 |      |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.3 |           |      | 0    | 20.3 |
|          |            |               | 215       |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.2 |           |      | 0    | 20.3 |
|          | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    | 18.3                  |      |           | 0    | 20.3 |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.3 |           |      | 0    | 20.3 |
|          |            |               | 160       |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.3 |           |      | 0    | 20.3 |
| 70       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    | 18.3               |                       |      | 0         | 20.3 |      |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.2 |           |      | 0    | 20.3 |
|          |            |               | 187       |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.2 |           |      | 0    | 20.3 |
|          | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    | 18.3                  |      |           | 0    | 20.3 |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.2 |           |      | 0    | 20.3 |
|          |            |               | 187       |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.2 |           |      | 0    | 20.3 |
| 60       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    | 18.3               |                       |      | 0         | 20.3 |      |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.3 |           |      | 0    | 20.3 |
|          |            |               | 160       |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.3 |           |      | 0    | 20.3 |
|          | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    | 18.3                  |      |           | 0    | 20.3 |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.3 |           |      | 0    | 20.3 |
|          |            |               | 160       |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.3 |           |      | 0    | 20.3 |
| 50       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    | 18.3               |                       |      | 0         | 20.3 |      |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.3 |           |      | 0    | 20.3 |
|          |            |               | 131       |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.3 |           |      | 0    | 20.3 |
|          | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    | 18.3                  |      |           | 0    | 20.3 |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.3 |           |      | 0    | 20.3 |
|          |            |               | 131       |                       |                       |                       |                    |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.3 |           |      | 0    | 20.3 |
| 40       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    | 18.8               |                       |      | 0         | 20.3 |      |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.7 |           |      | 0    | 20.3 |
|          |            |               | 104       |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
|          | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    | 18.8                  |      |           | 0    | 20.3 |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.7 |           |      | 0    | 20.3 |
|          |            |               | 104       |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
| 30       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 17.0               |                    |                       |     |                    |                       |                       |                       |                    | 19.0               |                       |      | 0         | 20.3 |      |      |
|          |            |               | 1         |                       |                       |                       | 17.0               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.9 |           |      | 0    | 20.3 |
|          |            |               | 76        |                       |                       |                       | 17.0               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 19.0 |           |      | 0    | 20.3 |
|          | π/2 BPSK   | 1             | 1         |                       |                       |                       | 17.0               |                    |                       |     |                    |                       |                       |                       |                    |                    | 19.0                  |      |           | 0    | 20.3 |      |
|          |            |               | 1         |                       |                       |                       | 17.0               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.9 |           |      | 0    | 20.3 |
|          |            |               | 76        |                       |                       |                       | 17.0               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 19.0 |           |      | 0    | 20.3 |
| 25       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    | 18.8               |                       |      | 0         | 20.3 |      |      |
|          |            |               | 1         |                       |                       |                       | 16.8               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
|          |            |               | 63        |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
|          | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    | 18.8                  |      |           | 0    | 20.3 |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
|          |            |               | 63        |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
| 20       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    | 18.8               |                       |      | 0         | 20.3 |      |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
|          |            |               | 49        |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
|          | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    | 18.8                  |      |           | 0    | 20.3 |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
|          |            |               | 49        |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
| 15       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    | 18.8               |                       |      | 0         | 20.3 |      |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
|          |            |               | 36        |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
|          | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    | 18.8                  |      |           | 0    | 20.3 |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
|          |            |               | 36        |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
| 10       | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    | 18.8               |                       |      | 0         | 20.3 |      |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
|          |            |               | 22        |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
|          | π/2 BPSK   | 1             | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    | 18.8                  |      |           | 0    | 20.3 |      |
|          |            |               | 1         |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |
|          |            |               | 22        |                       |                       |                       | 16.9               |                    |                       |     |                    |                       |                       |                       |                    |                    |                       | 18.8 |           |      | 0    | 20.3 |

### 9.7. Wi-Fi 2.4GHz (DTS Band)

When the same transmission mode configurations have the same maximum output power on the same channel for the 802.11 b/g/n/ac/ax/be modes, the channel in the lower order/sequence 802.11 mode (i.e. g, n, ac, ax, then be) is selected. Therefore, the SAR measurements performed for the 802.11b as the lowest order modulation, cover 802.11n/ac/ax/be modes.

When multiple channel bandwidth configurations in a frequency band have the same specified maximum output power, the initial test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same specified maximum output power.
- 2) If multiple configurations have the same specified maximum output power and largest channel bandwidth, the lowest order modulation among the largest channel bandwidth configurations is selected.
- 3) If multiple configurations have the same specified maximum output power, largest channel bandwidth and lowest order modulation, the lowest data rate configuration among these configurations is selected.
- 4) When multiple transmission modes (802.11g/n/ac/ax/be) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected.

Inspection of the SAR plots has shown that there is no overlap of hotspots and the center of antennas is over 100 mm apart. Using the guidance in KDB 248227 section 6.1, no evaluation of MIMO is required and SAR compliance for simultaneous transmission is determined separately for each individual antenna.

#### Maximum Output Power for Wi-Fi 2.4 GHz

The table below is the Maximum output power for this device. The highlighted values indicate what the overall worst case transmission mode will be required for SAR testing per channel. In the Wi-Fi 2.4 GHz (Power State) table, the highlighted worst case Low/Mid/High channels are selected for Mode A and Mode B.

| Channel  | Frequency (MHz)   | Maximum Output Power (dBm) |                    |                               |                               |                                |                           |                           |                            |                        |                        |                       |                       |                                       |                                       |  |                                   |                                   |                                    |                                |                               |                               |       |       |       |       |       |
|----------|-------------------|----------------------------|--------------------|-------------------------------|-------------------------------|--------------------------------|---------------------------|---------------------------|----------------------------|------------------------|------------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|--|-----------------------------------|-----------------------------------|------------------------------------|--------------------------------|-------------------------------|-------------------------------|-------|-------|-------|-------|-------|
|          |                   | ANT3 / ANT4                |                    |                               |                               |                                |                           |                           |                            |                        |                        |                       |                       |                                       |                                       |  |                                   |                                   |                                    | MIMO                           |                               |                               |       |       |       |       |       |
|          |                   | SISO                       |                    |                               |                               |                                |                           |                           |                            |                        | MIMO                   |                       |                       |                                       |                                       |  |                                   |                                   |                                    |                                |                               |                               |       |       |       |       |       |
| b (SISO) | g (SISO) Low Rate | g (SISO) Mid Rate          | g (SISO) High Rate | 11n/11ac HT20 (SISO) Low Rate | 11n/11ac HT20 (SISO) Mid Rate | 11n/11ac HT20 (SISO) High Rate | 11ax HE20 (SISO) Low Rate | 11ax HE20 (SISO) Mid Rate | 11ax HE20 (SISO) High Rate | 11ax HE20 RU242 (SISO) | 11ax HE20 RU106 (SISO) | 11ax HE20 RU52 (SISO) | 11ax HE20 RU26 (SISO) | 11n/11ac HT20 (2Tx, nonTXBF) Low Rate | 11n/11ac HT20 (2Tx, nonTXBF) Mid Rate | 11n/11ac HT20 (2Tx, nonTXBF) High Rate | 11ax HE20 (2Tx, nonTXBF) Low Rate | 11ax HE20 (2Tx, nonTXBF) Mid Rate | 11ax HE20 (2Tx, nonTXBF) High Rate | 11ax HE20 RU106 (2Tx, nonTXBF) | 11ax HE20 RU52 (2Tx, nonTXBF) | 11ax HE20 RU26 (2Tx, nonTXBF) |       |       |       |       |       |
| 1        | 2412              | 20.50                      | 18.00              | 17.50                         | 16.50                         | 18.00                          | 17.50                     | 16.50                     | 17.00                      | 16.00                  | 15.50                  | 15.50                 | 15.50                 | 14.75                                 | 11.75                                 | 17.50                                  | 16.50                             | 16.00                             | 16.00                              | 15.50                          | 15.00                         | 15.00                         | 15.00 | 15.00 | 14.75 | 11.75 |       |
| 2        | 2417              | 21.50                      | 19.50              | 19.50                         | 19.50                         | 19.50                          | 19.50                     | 18.00                     | 18.00                      | 18.00                  | 18.00                  | 18.00                 | 17.75                 | 14.75                                 | 11.75                                 | 18.50                                  | 18.50                             | 18.50                             | 17.00                              | 17.00                          | 17.00                         | 17.00                         | 17.00 | 17.00 | 17.00 | 14.75 | 11.75 |
| 3        | 2422              | 21.50                      | 21.50              | 20.75                         | 20.00                         | 21.50                          | 20.75                     | 20.00                     | 21.50                      | 21.50                  | 21.50                  | 21.50                 | 17.75                 | 14.75                                 | 11.75                                 | 20.00                                  | 20.00                             | 20.00                             | 19.00                              | 19.00                          | 19.00                         | 19.00                         | 19.00 | 19.00 | 17.75 | 14.75 | 11.75 |
| 4        | 2427              | 21.50                      | 21.50              | 21.50                         | 21.50                         | 21.50                          | 21.50                     | 21.50                     | 21.50                      | 21.50                  | 21.50                  | 21.50                 | 17.75                 | 14.75                                 | 11.75                                 | 21.50                                  | 21.50                             | 21.50                             | 21.50                              | 21.50                          | 21.50                         | 21.50                         | 21.50 | 21.50 | 17.75 | 14.75 | 11.75 |
| 5        | 2432              | 21.50                      | 21.50              | 21.50                         | 21.50                         | 21.50                          | 21.50                     | 21.50                     | 21.50                      | 21.50                  | 21.50                  | 21.50                 | 17.75                 | 14.75                                 | 11.75                                 | 21.50                                  | 21.50                             | 21.50                             | 21.50                              | 21.50                          | 21.50                         | 21.50                         | 21.50 | 21.50 | 17.75 | 14.75 | 11.75 |
| 6        | 2437              | 21.50                      | 21.50              | 21.50                         | 21.50                         | 21.50                          | 21.50                     | 21.50                     | 21.50                      | 21.50                  | 21.50                  | 21.50                 | 17.75                 | 14.75                                 | 11.75                                 | 21.50                                  | 21.50                             | 21.50                             | 21.50                              | 21.50                          | 21.50                         | 21.50                         | 21.50 | 21.50 | 17.75 | 14.75 | 11.75 |
| 7        | 2442              | 21.50                      | 21.50              | 21.50                         | 21.50                         | 21.50                          | 21.50                     | 21.50                     | 21.50                      | 21.50                  | 21.50                  | 21.50                 | 17.75                 | 14.75                                 | 11.75                                 | 21.50                                  | 21.50                             | 21.50                             | 21.50                              | 21.50                          | 21.50                         | 21.50                         | 21.50 | 21.50 | 17.75 | 14.75 | 11.75 |
| 8        | 2447              | 21.50                      | 21.50              | 21.50                         | 21.50                         | 21.50                          | 21.50                     | 21.50                     | 21.50                      | 21.50                  | 21.50                  | 21.50                 | 17.75                 | 14.75                                 | 11.75                                 | 21.50                                  | 21.50                             | 21.50                             | 21.50                              | 21.50                          | 21.50                         | 21.50                         | 21.50 | 21.50 | 17.75 | 14.75 | 11.75 |
| 9        | 2452              | 21.50                      | 21.00              | 21.00                         | 20.00                         | 21.00                          | 21.00                     | 20.00                     | 21.50                      | 21.50                  | 21.50                  | 21.50                 | 17.75                 | 14.75                                 | 11.75                                 | 19.50                                  | 19.50                             | 19.50                             | 18.50                              | 18.50                          | 18.50                         | 18.50                         | 18.50 | 18.50 | 17.75 | 14.75 | 11.75 |
| 10       | 2457              | 21.50                      | 19.50              | 19.50                         | 19.50                         | 19.50                          | 19.50                     | 18.00                     | 18.00                      | 18.00                  | 18.00                  | 18.00                 | 17.75                 | 14.75                                 | 11.75                                 | 18.50                                  | 18.50                             | 18.50                             | 17.00                              | 17.00                          | 17.00                         | 17.00                         | 17.00 | 17.00 | 14.75 | 11.75 |       |
| 11       | 2462              | 21.50                      | 18.50              | 18.00                         | 17.50                         | 18.50                          | 18.00                     | 17.50                     | 17.00                      | 16.50                  | 16.00                  | 16.00                 | 16.00                 | 14.75                                 | 11.75                                 | 17.50                                  | 17.00                             | 16.50                             | 16.00                              | 15.50                          | 15.00                         | 15.00                         | 15.00 | 15.00 | 14.75 | 11.75 |       |
| 12       | 2467              | 20.50                      | 16.00              | 15.75                         | 15.50                         | 16.00                          | 15.75                     | 15.50                     | 15.00                      | 14.50                  | 14.00                  | 14.00                 | 14.00                 | 14.00                                 | 11.75                                 | 15.00                                  | 14.50                             | 14.00                             | 14.00                              | 13.50                          | 13.00                         | 13.00                         | 13.00 | 13.00 | 13.00 | 11.75 |       |
| 13       | 2472              | 18.00                      | 13.00              | 12.50                         | 12.00                         | 13.00                          | 12.50                     | 12.00                     | 9.00                       | 8.75                   | 8.50                   | 8.50                  | 3.00                  | 0.00                                  | 0.00                                  | 12.00                                  | 11.75                             | 11.50                             | 8.50                               | 8.25                           | 8.00                          | 8.00                          | 2.50  | -1.00 | -1.00 |       |       |

**Wi-Fi 2.4 GHz(Power States)**

For 2.4 GHz bands, there are 4 different power states:

- Power State 1 (CELL<sub>OFF</sub> | Wi-Fi<sub>ON</sub>) - Mode A (OBD:0 as defined in Section 6)
- Power State 1 (CELL<sub>OFF</sub> | Wi-Fi<sub>ON</sub>) - Mode B (OBD:1 as defined in Section 6)
- Power State 2 (CELL<sub>ON</sub> | Wi-Fi<sub>ON</sub>) - Mode A (OBD:0 as defined in Section 6)
- Power State 2 (CELL<sub>ON</sub> | Wi-Fi<sub>ON</sub>) - Mode B (OBD:1 as defined in Section 6)

| Antenna | Mode                | Channel | Frequency (MHz) | Maximum Output Power (dBm) |              |                |              |
|---------|---------------------|---------|-----------------|----------------------------|--------------|----------------|--------------|
|         |                     |         |                 | Power States 1             |              | Power States 2 |              |
|         |                     |         |                 | Mode A                     | Mode B       | Mode A         | Mode B       |
| ANT3    | 802.11b DSSS (SISO) | 1       | 2412            | 20.50                      | <b>20.00</b> | <b>18.75</b>   | <b>16.25</b> |
|         |                     | 2       | 2417            | <b>21.50</b>               | 20.00        | 18.75          | 16.25        |
|         |                     | 3       | 2422            | 21.50                      | 20.00        | 18.75          | 16.25        |
|         |                     | 4       | 2427            | 21.50                      | 20.00        | 18.75          | 16.25        |
|         |                     | 5       | 2432            | 21.50                      | 20.00        | 18.75          | 16.25        |
|         |                     | 6       | 2437            | <b>21.50</b>               | <b>20.00</b> | <b>18.75</b>   | <b>16.25</b> |
|         |                     | 7       | 2442            | 21.50                      | 20.00        | 18.75          | 16.25        |
|         |                     | 8       | 2447            | 21.50                      | 20.00        | 18.75          | 16.25        |
|         |                     | 9       | 2452            | 21.50                      | 20.00        | 18.75          | 16.25        |
|         |                     | 10      | 2457            | 21.50                      | 20.00        | 18.75          | 16.25        |
|         |                     | 11      | 2462            | <b>21.50</b>               | <b>20.00</b> | <b>18.75</b>   | <b>16.25</b> |
|         |                     | 12      | 2467            | 20.50                      | 20.00        | 18.75          | 16.25        |
|         |                     | 13      | 2472            | 18.00                      | 18.00        | 18.00          | 16.25        |
| Antenna | Mode                | Channel | Frequency (MHz) | Maximum Output Power (dBm) |              |                |              |
|         |                     |         |                 | Power States 1             |              | Power States 2 |              |
|         |                     |         |                 | Mode A                     | Mode B       | Mode A         | Mode B       |
| ANT4    | 802.11b DSSS (SISO) | 1       | 2412            | <b>20.50</b>               | <b>20.00</b> | <b>17.00</b>   | <b>16.00</b> |
|         |                     | 2       | 2417            | 20.50                      | 20.00        | 17.00          | 16.00        |
|         |                     | 3       | 2422            | 20.50                      | 20.00        | 17.00          | 16.00        |
|         |                     | 4       | 2427            | 20.50                      | 20.00        | 17.00          | 16.00        |
|         |                     | 5       | 2432            | 20.50                      | 20.00        | 17.00          | 16.00        |
|         |                     | 6       | 2437            | <b>20.50</b>               | <b>20.00</b> | <b>17.00</b>   | <b>16.00</b> |
|         |                     | 7       | 2442            | 20.50                      | 20.00        | 17.00          | 16.00        |
|         |                     | 8       | 2447            | 20.50                      | 20.00        | 17.00          | 16.00        |
|         |                     | 9       | 2452            | 20.50                      | 20.00        | 17.00          | 16.00        |
|         |                     | 10      | 2457            | 20.50                      | 20.00        | 17.00          | 16.00        |
|         |                     | 11      | 2462            | <b>20.50</b>               | <b>20.00</b> | <b>17.00</b>   | <b>16.00</b> |
|         |                     | 12      | 2467            | 20.50                      | 20.00        | 17.00          | 16.00        |
|         |                     | 13      | 2472            | 18.00                      | 18.00        | 17.00          | 16.00        |

**Wi-Fi 2.4GHz Measured Results**

The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures.

SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) when the same maximum output power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11g/n/ac/ax mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, for each frequency band. Additional output power measurements were not deemed necessary.

SAR testing is not required for OFDM mode(s) when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg.

| Power Mode    | Antenna | Mode         | Power Mode A |             |                |                      |                   | Power Mode B |             |                |                      |                   |
|---------------|---------|--------------|--------------|-------------|----------------|----------------------|-------------------|--------------|-------------|----------------|----------------------|-------------------|
|               |         |              | Ch #         | Freq. (MHz) | Meas Pwr (dBm) | Max Output Pwr (dBm) | SAR Test (Yes/No) | Ch #         | Freq. (MHz) | Meas Pwr (dBm) | Max Output Pwr (dBm) | SAR Test (Yes/No) |
| Power State 1 | ANT3    | DSSS 802.11b | 2            | 2417        | 20.50          | 21.50                | Yes               | 1            | 2412        | 19.10          | 20.00                | Yes               |
|               |         |              | 6            | 2437        | 20.60          | 21.50                |                   | 6            | 2437        | 19.10          | 20.00                |                   |
|               |         |              | 11           | 2462        | 20.60          | 21.50                |                   | 11           | 2462        | 18.90          | 20.00                |                   |
|               | ANT4    | DSSS 802.11b | 1            | 2412        | 19.40          | 20.50                | Yes               | 1            | 2412        | 18.70          | 20.00                | Yes               |
|               |         |              | 6            | 2437        | 19.90          | 20.50                |                   | 6            | 2437        | 18.80          | 20.00                |                   |
|               |         |              | 11           | 2462        | 19.50          | 20.50                |                   | 11           | 2462        | 18.50          | 20.00                |                   |
| Power Mode    | Antenna | Mode         | Power Mode A |             |                |                      |                   | Power Mode B |             |                |                      |                   |
|               |         |              | Ch #         | Freq. (MHz) | Meas Pwr (dBm) | Max Output Pwr (dBm) | SAR Test (Yes/No) | Ch #         | Freq. (MHz) | Meas Pwr (dBm) | Max Output Pwr (dBm) | SAR Test (Yes/No) |
| Power State 2 | ANT3    | DSSS 802.11b | 1            | 2412        | 18.10          | 18.75                | Yes               | 1            | 2412        | 15.30          | 16.25                | Yes               |
|               |         |              | 6            | 2437        | 18.30          | 18.75                |                   | 6            | 2437        | 15.30          | 16.25                |                   |
|               |         |              | 11           | 2462        | 18.20          | 18.75                |                   | 11           | 2462        | 15.40          | 16.25                |                   |
|               | ANT4    | DSSS 802.11b | 1            | 2412        | 16.00          | 17.00                | Yes               | 1            | 2412        | 14.30          | 16.00                | Yes               |
|               |         |              | 6            | 2437        | 16.00          | 17.00                |                   | 6            | 2437        | 14.40          | 16.00                |                   |
|               |         |              | 11           | 2462        | 16.00          | 17.00                |                   | 11           | 2462        | 14.40          | 16.00                |                   |

**Note(s):**

SAR is not required for channel 12 and 13 because the maximum output power and the measured output power for these two channels are not greater than those for the default test channels. Refer to KDB 248227 D01 section 3.1.

## 9.8. Wi-Fi 5GHz (U-NII 1-3 Bands)

When multiple channel bandwidth configurations in a frequency band have the same specified maximum output power, the initial test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same specified maximum output power.
- 2) If multiple configurations have the same specified maximum output power and largest channel bandwidth, the lowest order modulation among the largest channel bandwidth configurations is selected.
- 3) If multiple configurations have the same specified maximum output power, largest channel bandwidth and lowest order modulation, the lowest data rate configuration among these configurations is selected.
- 4) When multiple transmission modes (802.11a/n/ac/ax/be) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected.

Inspection of the SAR plots has shown that there is no overlap of hotspots and the center of antennas is over 100 mm apart. Using the guidance in KDB 248227 section 6.1, no evaluation of MIMO is required and SAR compliance for simultaneous transmission is determined separately for each individual antenna.

When the specified maximum output power is the same for both UNII 1 and UNII 2A, begin SAR measurements in UNII 2A with the channel with the highest measured output power. If the reported SAR for UNII 2A is  $\leq 1.2$  W/kg, SAR is not required for UNII 1; otherwise treat the remaining bands separately and test them independently for SAR.

**Maximum Output Power for Wi-Fi 5 GHz**

The table below is the maximum output power for this device. The highlighted values indicate what the overall worst case transmission mode will be required for SAR testing per channel. In the Wi-Fi 5 GHz (Power State) table, the highlighted worst case Low/Mid/High channels are selected for Mode A and Mode B.

| Bandwidth | Band      | Channel | Frequency (MHz) | Maximum Output Power (dBm)    |                               |                                |                               |                               |                                |                           |                           |                            |                        |                        |                       |                       |       |
|-----------|-----------|---------|-----------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|-------------------------------|--------------------------------|---------------------------|---------------------------|----------------------------|------------------------|------------------------|-----------------------|-----------------------|-------|
|           |           |         |                 | ANT5 / ANT6                   |                               |                                |                               |                               |                                |                           |                           |                            |                        |                        |                       |                       |       |
|           |           |         |                 | SISO                          |                               |                                |                               |                               |                                |                           |                           |                            |                        |                        |                       |                       |       |
|           |           |         |                 | a (SISO) Low Rate             | a (SISO) Mid Rate             | a (SISO) High Rate             | 11n/11ac HT20 (SISO) Low Rate | 11n/11ac HT20 (SISO) Mid Rate | 11n/11ac HT20 (SISO) High Rate | 11ax HE20 (SISO) Low Rate | 11ax HE20 (SISO) Mid Rate | 11ax HE20 (SISO) High Rate | 11ax HE20 RU242 (SISO) | 11ax HE20 RU106 (SISO) | 11ax HE20 RU52 (SISO) | 11ax HE20 RU26 (SISO) |       |
| 20 MHz    | U-NI-1    | 36      | 5180            | 19.00                         | 18.75                         | 18.50                          | 19.00                         | 18.75                         | 18.50                          | 18.50                     | 18.25                     | 18.00                      | 18.00                  | 17.25                  | 14.25                 | 11.25                 |       |
|           |           | 40      | 5200            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 20.00                  | 17.25                 | 14.25                 | 11.25 |
|           |           | 44      | 5220            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 20.00                  | 17.25                 | 14.25                 | 11.25 |
|           |           | 48      | 5240            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 20.00                  | 17.25                 | 14.25                 | 11.25 |
|           | U-NI-2A   | 52      | 5260            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 20.00                  | 17.25                 | 14.25                 | NS    |
|           |           | 56      | 5280            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 20.00                  | 17.25                 | 14.25                 | NS    |
|           |           | 60      | 5300            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 20.00                  | 17.25                 | 14.25                 | NS    |
|           |           | 64      | 5320            | 19.00                         | 18.75                         | 18.50                          | 19.00                         | 18.75                         | 18.50                          | 18.50                     | 18.25                     | 18.00                      | 18.00                  | 17.25                  | 14.25                 | NS                    |       |
|           | U-NI-2C   | 100     | 5500            | 18.75                         | 18.50                         | 18.25                          | 18.75                         | 18.50                         | 18.25                          | 18.50                     | 18.25                     | 18.00                      | 18.00                  | 17.25                  | 14.25                 | NS                    |       |
|           |           | 104     | 5520            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 17.25                  | 14.25                 | NS                    |       |
|           |           | 108     | 5540            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 17.25                  | 14.25                 | NS                    |       |
|           |           | 112     | 5560            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 17.25                  | 14.25                 | NS                    |       |
|           |           | 116     | 5580            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 17.25                  | 14.25                 | NS                    |       |
|           |           | 120     | 5600            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 17.25                  | 14.25                 | NS                    |       |
|           |           | 124     | 5620            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 17.25                  | 14.25                 | NS                    |       |
|           |           | 128     | 5640            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 17.25                  | 14.25                 | NS                    |       |
|           |           | 132     | 5660            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 17.25                  | 14.25                 | NS                    |       |
|           |           | 136     | 5680            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 17.25                  | 14.25                 | NS                    |       |
|           | U-NI-3    | 140     | 5700            | 18.50                         | 18.00                         | 17.50                          | 18.50                         | 18.00                         | 17.50                          | 16.50                     | 16.25                     | 16.00                      | 16.00                  | 17.25                  | 14.25                 | NS                    |       |
|           |           | 144     | 5720            | 20.00                         | 20.00                         | 20.00                          | 20.00                         | 20.00                         | 20.00                          | 20.00                     | 20.00                     | 20.00                      | 20.00                  | 17.25                  | 14.25                 | NS                    |       |
| 149       |           | 5745    | 21.00           | 21.00                         | 21.00                         | 21.00                          | 21.00                         | 21.00                         | 21.00                          | 21.00                     | 21.00                     | 21.00                      | 17.25                  | 14.25                  | 11.25                 |                       |       |
| 153       |           | 5765    | 21.00           | 21.00                         | 21.00                         | 21.00                          | 21.00                         | 21.00                         | 21.00                          | 21.00                     | 21.00                     | 21.00                      | 17.25                  | 14.25                  | 11.25                 |                       |       |
| 165       |           | 5825    | 21.00           | 21.00                         | 21.00                         | 21.00                          | 21.00                         | 21.00                         | 21.00                          | 21.00                     | 21.00                     | 21.00                      | 17.25                  | 14.25                  | 11.25                 |                       |       |
| Bandwidth | Band      | Channel | Frequency (MHz) | 11n/11ac HT40 (SISO) Low Rate | 11n/11ac HT40 (SISO) Mid Rate | 11n/11ac HT40 (SISO) High Rate | 11ax HE40 (SISO) Low Rate     | 11ax HE40 (SISO) Mid Rate     | 11ax HE40 (SISO) High Rate     | 11ax HE40 RU484 (SISO)    | 11ax HE40 RU106 (SISO)    | 11ax HE40 RU52 (SISO)      | 11ax HE40 RU26 (SISO)  |                        |                       |                       |       |
| 40 MHz    | U-NI-1    | 38      | 5190            | 17.50                         | 17.25                         | 17.00                          | 16.50                         | 16.25                         | 16.00                          | 16.00                     | 14.25                     | 11.25                      | 8.25                   |                        |                       |                       |       |
|           |           | 46      | 5230            | 21.00                         | 21.00                         | 21.00                          | 21.00                         | 21.00                         | 21.00                          | 21.00                     | 14.25                     | 11.25                      | 8.25                   |                        |                       |                       |       |
|           | U-NI-2A   | 54      | 5270            | 21.00                         | 21.00                         | 21.00                          | 21.00                         | 21.00                         | 21.00                          | 21.00                     | 14.25                     | 11.25                      | NS                     |                        |                       |                       |       |
|           |           | 62      | 5310            | 17.50                         | 17.25                         | 17.00                          | 16.50                         | 16.25                         | 16.00                          | 16.00                     | 14.25                     | 11.25                      | NS                     |                        |                       |                       |       |
|           | U-NI-2C   | 102     | 5510            | 16.50                         | 16.25                         | 16.00                          | 16.00                         | 15.75                         | 15.50                          | 15.50                     | 14.25                     | 11.25                      | NS                     |                        |                       |                       |       |
|           |           | 110     | 5550            | 21.00                         | 21.00                         | 21.00                          | 21.00                         | 21.00                         | 21.00                          | 21.00                     | 14.25                     | 11.25                      | NS                     |                        |                       |                       |       |
|           |           | 118     | 5590            | 21.00                         | 21.00                         | 21.00                          | 21.00                         | 21.00                         | 21.00                          | 21.00                     | 14.25                     | 11.25                      | NS                     |                        |                       |                       |       |
|           |           | 126     | 5630            | 21.00                         | 21.00                         | 21.00                          | 21.00                         | 21.00                         | 21.00                          | 21.00                     | 14.25                     | 11.25                      | NS                     |                        |                       |                       |       |
|           |           | 134     | 5670            | 20.50                         | 20.50                         | 20.50                          | 19.00                         | 19.00                         | 19.00                          | 19.00                     | 14.25                     | 11.25                      | NS                     |                        |                       |                       |       |
|           | U-NI-3    | 142     | 5710            | 21.00                         | 21.00                         | 21.00                          | 21.00                         | 21.00                         | 21.00                          | 21.00                     | 14.25                     | 11.25                      | NS                     |                        |                       |                       |       |
| 151       |           | 5755    | 21.00           | 21.00                         | 21.00                         | 21.00                          | 21.00                         | 21.00                         | 21.00                          | 14.25                     | 11.25                     | 8.25                       |                        |                        |                       |                       |       |
| 159       | 5795      | 21.00   | 21.00           | 21.00                         | 21.00                         | 21.00                          | 21.00                         | 21.00                         | 14.25                          | 11.25                     | 8.25                      |                            |                        |                        |                       |                       |       |
| Bandwidth | Band      | Channel | Frequency (MHz) | 11ac VHT80 (SISO) Low Rate    | 11ac VHT80 (SISO) Mid Rate    | 11ac VHT80 (SISO) High Rate    | 11ax HE80 (SISO) Low Rate     | 11ax HE80 (SISO) Mid Rate     | 11ax HE80 (SISO) High Rate     | 11ax HE80 RU996 (SISO)    | 11ax HE80 RU106 (SISO)    | 11ax HE80 RU52 (SISO)      | 11ax HE80 RU26 (SISO)  |                        |                       |                       |       |
| 80 MHz    | U-NI-1    | 42      | 5210            | 17.50                         | 17.00                         | 16.50                          | 16.50                         | 16.25                         | 16.00                          | 16.00                     | 11.25                     | 8.00                       | 5.00                   |                        |                       |                       |       |
|           | U-NI-2A   | 58      | 5290            | 16.00                         | 15.75                         | 15.50                          | 15.50                         | 15.25                         | 15.00                          | 15.00                     | 11.25                     | 8.00                       | NS                     |                        |                       |                       |       |
|           | U-NI-2C   | 106     | 5530            | 16.00                         | 15.75                         | 15.50                          | 16.00                         | 15.50                         | 15.00                          | 15.00                     | 11.25                     | 8.00                       | NS                     |                        |                       |                       |       |
|           |           | 122     | 5610            | 21.00                         | 21.00                         | 21.00                          | 21.00                         | 21.00                         | 21.00                          | 21.00                     | 11.25                     | 8.00                       | NS                     |                        |                       |                       |       |
|           | U-NI-3    | 138     | 5690            | 21.00                         | 21.00                         | 21.00                          | 21.00                         | 21.00                         | 21.00                          | 21.00                     | 11.25                     | 8.00                       | NS                     |                        |                       |                       |       |
| 155       | 5775      | 21.00   | 20.75           | 20.50                         | 21.00                         | 20.75                          | 20.50                         | 20.50                         | 20.50                          | 11.25                     | 8.00                      | 5.00                       |                        |                        |                       |                       |       |
| Bandwidth | Band      | Channel | Frequency (MHz) | 11ac VHT160 (SISO) Low Rate   | 11ac VHT160 (SISO) Mid Rate   | 11ac VHT160 (SISO) High Rate   | 11ax HE160 (SISO) Low Rate    | 11ax HE160 (SISO) Mid Rate    | 11ax HE160 (SISO) High Rate    | 11ax HE160 RU996_2 (SISO) | 11ax HE160 RU106 (SISO)   | 11ax HE160 RU52 (SISO)     | 11ax HE160 RU26 (SISO) |                        |                       |                       |       |
| 160 MHz   | U-NI-1&2A | 50      | 5250            | NS                            | NS                            | NS                             | NS                            | NS                            | NS                             | NS                        | NS                        | NS                         | NS                     |                        |                       |                       |       |
|           | U-NI-2C   | 114     | 5570            | NS                            | NS                            | NS                             | NS                            | NS                            | NS                             | NS                        | NS                        | NS                         | NS                     |                        |                       |                       |       |





| Antenna                      | Mode                          | Bandwidth            | Channel   | Frequency                  | Maximum Output Power (dBm) |               |               |        |
|------------------------------|-------------------------------|----------------------|-----------|----------------------------|----------------------------|---------------|---------------|--------|
|                              |                               |                      |           |                            | Power State 1              |               | Power State 2 |        |
|                              |                               |                      |           |                            | Mode A                     | Mode B        | Mode A        | Mode B |
| ANT5                         | U-NII-1<br>5.2 GHz<br>(SISO)  | 802.11a<br>20 MHz    | 36        | 5180                       | 18.50                      | 14.00         | 14.50         | 10.25  |
|                              |                               |                      | 40        | 5200                       | 18.50                      | 14.00         | 14.50         | 10.25  |
|                              |                               |                      | 44        | 5220                       | 18.50                      | 14.00         | 14.50         | 10.25  |
|                              |                               |                      | 48        | 5240                       | 18.50                      | 14.00         | 14.50         | 10.25  |
|                              |                               | 802.11n/ac<br>40 MHz | 38        | 5190                       | <b>17.50</b>               | 14.00         | 14.50         | 10.25  |
|                              |                               |                      | 46        | 5230                       | <b>18.50</b>               | 14.00         | 14.50         | 10.25  |
|                              | 802.11ac<br>80 MHz            | 42                   | 5210      | 17.50                      | <b>14.00</b>               | 14.50         | <b>10.25</b>  |        |
|                              | U-NII-2A<br>5.3 GHz<br>(SISO) | 802.11a<br>20 MHz    | 52        | 5260                       | 18.25                      | 12.50         | 14.50         | 8.75   |
|                              |                               |                      | 56        | 5280                       | 18.25                      | 12.50         | 14.50         | 8.75   |
|                              |                               |                      | 60        | 5300                       | 18.25                      | 12.50         | 14.50         | 8.75   |
|                              |                               |                      | 64        | 5320                       | 18.25                      | 12.50         | 14.50         | 8.75   |
|                              |                               | 802.11n/ac<br>40 MHz | 54        | 5270                       | 18.25                      | 12.50         | 14.50         | 8.75   |
|                              |                               |                      | 62        | 5310                       | 17.50                      | 12.50         | 14.50         | 8.75   |
|                              | 802.11ac<br>80 MHz            | 58                   | 5290      | 16.00                      | 12.50                      | <b>14.50</b>  | 8.75          |        |
|                              | Mode                          | Bandwidth            | Channel   | Frequency                  | Maximum Output Power (dBm) |               |               |        |
|                              |                               |                      |           |                            | Power State 1              |               | Power State 2 |        |
|                              |                               |                      |           |                            | Mode A                     | Mode B        | Mode A        | Mode B |
|                              | U-NII-2C<br>5.5 GHz<br>(SISO) | 802.11a<br>20 MHz    | 100       | 5500                       | 18.00                      | 11.75         | 14.25         | 8.00   |
|                              |                               |                      | 104       | 5520                       | 18.00                      | 11.75         | 14.25         | 8.00   |
|                              |                               |                      | 108       | 5540                       | 18.00                      | 11.75         | 14.25         | 8.00   |
|                              |                               |                      | 112       | 5560                       | 18.00                      | 11.75         | 14.25         | 8.00   |
|                              |                               |                      | 116       | 5580                       | 18.00                      | 11.75         | 14.25         | 8.00   |
|                              |                               |                      | 120       | 5600                       | 18.00                      | 11.75         | 14.25         | 8.00   |
|                              |                               |                      | 124       | 5620                       | 18.00                      | 11.75         | 14.25         | 8.00   |
|                              |                               |                      | 128       | 5640                       | 18.00                      | 11.75         | 14.25         | 8.00   |
|                              |                               |                      | 132       | 5660                       | 18.00                      | 11.75         | 14.25         | 8.00   |
|                              |                               |                      | 136       | 5680                       | 18.00                      | 11.75         | 14.25         | 8.00   |
|                              |                               |                      | 140       | 5700                       | 18.00                      | 11.75         | 14.25         | 8.00   |
|                              |                               |                      | 144       | 5720                       | 18.00                      | 11.75         | 14.25         | 8.00   |
|                              |                               | 802.11n/ac<br>40 MHz | 102       | 5510                       | 16.50                      | 11.75         | 14.25         | 8.00   |
|                              |                               |                      | 110       | 5550                       | 18.00                      | 11.75         | 14.25         | 8.00   |
|                              |                               |                      | 118       | 5590                       | 18.00                      | 11.75         | 14.25         | 8.00   |
|                              |                               |                      | 126       | 5630                       | 18.00                      | 11.75         | 14.25         | 8.00   |
| 134                          |                               |                      | 5670      | 18.00                      | 11.75                      | 14.25         | 8.00          |        |
| 802.11ac<br>80 MHz           |                               | 142                  | 5710      | 18.00                      | 11.75                      | 14.25         | 8.00          |        |
|                              |                               | 106                  | 5530      | <b>16.00</b>               | <b>11.75</b>               | <b>14.25</b>  | <b>8.00</b>   |        |
|                              |                               | 122                  | 5610      | <b>18.00</b>               | <b>11.75</b>               | <b>14.25</b>  | <b>8.00</b>   |        |
|                              |                               | 138                  | 5690      | <b>18.00</b>               | <b>11.75</b>               | <b>14.25</b>  | <b>8.00</b>   |        |
| Mode                         | Bandwidth                     | Channel              | Frequency | Maximum Output Power (dBm) |                            |               |               |        |
|                              |                               |                      |           | Power State 1              |                            | Power State 2 |               |        |
|                              |                               |                      |           | Mode A                     | Mode B                     | Mode A        | Mode B        |        |
| U-NII-3<br>5.8 GHz<br>(SISO) | 802.11a<br>20 MHz             | 149                  | 5745      | 18.25                      | 13.00                      | 14.50         | 9.25          |        |
|                              |                               | 153                  | 5765      | 18.25                      | 13.00                      | 14.50         | 9.25          |        |
|                              |                               | 157                  | 5785      | 18.25                      | 13.00                      | 14.50         | 9.25          |        |
|                              |                               | 161                  | 5805      | 18.25                      | 13.00                      | 14.50         | 9.25          |        |
|                              |                               | 165                  | 5825      | 18.25                      | 13.00                      | 14.50         | 9.25          |        |
|                              | 802.11n/ac<br>40 MHz          | 151                  | 5755      | 18.25                      | 13.00                      | 14.50         | 9.25          |        |
|                              |                               | 159                  | 5795      | 18.25                      | 13.00                      | 14.50         | 9.25          |        |
|                              | 802.11ac<br>80 MHz            | 155                  | 5775      | <b>18.25</b>               | <b>13.00</b>               | <b>14.50</b>  | <b>9.25</b>   |        |

| Antenna                      | Mode                          | Bandwidth            | Channel   | Frequency    | Maximum Output Power (dBm) |                            |               |               |        |
|------------------------------|-------------------------------|----------------------|-----------|--------------|----------------------------|----------------------------|---------------|---------------|--------|
|                              |                               |                      |           |              | Power State 1              |                            | Power State 2 |               |        |
|                              |                               |                      |           |              | Mode A                     | Mode B                     | Mode A        | Mode B        |        |
| ANT6                         | U-NII-1<br>5.2 GHz<br>(SISO)  | 802.11a<br>20 MHz    | 36        | 5180         | 19.00                      | 17.00                      | 16.50         | 13.25         |        |
|                              |                               |                      | 40        | 5200         | 20.00                      | 17.00                      | 16.50         | 13.25         |        |
|                              |                               |                      | 44        | 5220         | 20.00                      | 17.00                      | 16.50         | 13.25         |        |
|                              |                               |                      | 48        | 5240         | 20.00                      | 17.00                      | 16.50         | 13.25         |        |
|                              |                               | 802.11n/ac<br>40 MHz | 38        | 5190         | <b>17.50</b>               | 17.00                      | 16.50         | 13.25         |        |
|                              |                               |                      | 46        | 5230         | <b>20.00</b>               | 17.00                      | 16.50         | 13.25         |        |
|                              | 802.11ac<br>80 MHz            | 42                   | 5210      | 17.50        | <b>17.00</b>               | <b>16.50</b>               | 13.25         |               |        |
|                              | U-NII-2A<br>5.3 GHz<br>(SISO) | 802.11a<br>20 MHz    | 52        | 5260         | 18.25                      | 17.00                      | 14.50         | 13.75         |        |
|                              |                               |                      | 56        | 5280         | 18.25                      | 17.00                      | 14.50         | 13.75         |        |
|                              |                               |                      | 60        | 5300         | 18.25                      | 17.00                      | 14.50         | 13.75         |        |
|                              |                               |                      | 64        | 5320         | 18.25                      | 17.00                      | 14.50         | 13.75         |        |
|                              |                               | 802.11n/ac<br>40 MHz | 54        | 5270         | 18.25                      | 17.00                      | 14.50         | 13.75         |        |
|                              |                               |                      | 62        | 5310         | 17.50                      | 17.00                      | 14.50         | 13.75         |        |
|                              | 802.11ac<br>80 MHz            | 58                   | 5290      | 16.00        | 16.00                      | 14.50                      | <b>13.75</b>  |               |        |
|                              |                               | Mode                 | Bandwidth | Channel      | Frequency                  | Maximum Output Power (dBm) |               |               |        |
|                              |                               |                      |           |              |                            | Power State 1              |               | Power State 2 |        |
|                              |                               |                      |           |              |                            | Mode A                     | Mode B        | Mode A        | Mode B |
|                              | U-NII-2C<br>5.5 GHz<br>(SISO) | 802.11a<br>20 MHz    | 100       | 5500         | 18.75                      | 17.50                      | 14.25         | 15.00         |        |
|                              |                               |                      | 104       | 5520         | 19.25                      | 17.50                      | 14.25         | 15.00         |        |
|                              |                               |                      | 108       | 5540         | 19.25                      | 17.50                      | 14.25         | 15.00         |        |
|                              |                               |                      | 112       | 5560         | 19.25                      | 17.50                      | 14.25         | 15.00         |        |
|                              |                               |                      | 116       | 5580         | 19.25                      | 17.50                      | 14.25         | 15.00         |        |
|                              |                               |                      | 120       | 5600         | 19.25                      | 17.50                      | 14.25         | 15.00         |        |
|                              |                               |                      | 124       | 5620         | 19.25                      | 17.50                      | 14.25         | 15.00         |        |
|                              |                               |                      | 128       | 5640         | 19.25                      | 17.50                      | 14.25         | 15.00         |        |
|                              |                               |                      | 132       | 5660         | 19.25                      | 17.50                      | 15.50         | 13.50         |        |
|                              |                               |                      | 136       | 5680         | 19.25                      | 17.50                      | 15.50         | 13.50         |        |
|                              |                               |                      | 140       | 5700         | 18.50                      | 17.50                      | 15.50         | 13.50         |        |
|                              |                               |                      | 144       | 5720         | 19.25                      | 17.50                      | 15.50         | 13.50         |        |
|                              |                               | 802.11n/ac<br>40 MHz | 102       | 5510         | 16.50                      | 16.50                      | 14.25         | 15.00         |        |
|                              |                               |                      | 110       | 5550         | 19.25                      | 17.50                      | 14.25         | 15.00         |        |
|                              |                               |                      | 118       | 5590         | 19.25                      | 17.50                      | 14.25         | 15.00         |        |
|                              |                               |                      | 126       | 5630         | 19.25                      | 17.50                      | 14.25         | 15.00         |        |
| 134                          |                               |                      | 5670      | 19.25        | 17.50                      | 15.50                      | 13.50         |               |        |
| 802.11ac<br>80 MHz           |                               | 142                  | 5710      | 19.25        | 17.50                      | 15.50                      | 13.50         |               |        |
|                              |                               | 106                  | 5530      | <b>16.00</b> | <b>16.00</b>               | <b>14.25</b>               | <b>15.00</b>  |               |        |
|                              |                               | 122                  | 5610      | <b>19.25</b> | <b>17.50</b>               | <b>14.25</b>               | <b>15.00</b>  |               |        |
|                              |                               | 138                  | 5690      | <b>19.25</b> | <b>17.50</b>               | <b>15.50</b>               | <b>13.50</b>  |               |        |
|                              | Mode                          | Bandwidth            | Channel   | Frequency    | Maximum Output Power (dBm) |                            |               |               |        |
|                              |                               |                      |           |              | Power State 1              |                            | Power State 2 |               |        |
|                              |                               |                      |           |              | Mode A                     | Mode B                     | Mode A        | Mode B        |        |
| U-NII-3<br>5.8 GHz<br>(SISO) | 802.11a<br>20 MHz             | 149                  | 5745      | 19.50        | 17.75                      | 15.50                      | 13.75         |               |        |
|                              |                               | 153                  | 5765      | 19.50        | 17.75                      | 15.50                      | 13.75         |               |        |
|                              |                               | 157                  | 5785      | 19.50        | 17.75                      | 15.50                      | 13.75         |               |        |
|                              |                               | 161                  | 5805      | 19.50        | 17.75                      | 15.50                      | 13.75         |               |        |
|                              |                               | 165                  | 5825      | 19.50        | 17.75                      | 15.50                      | 13.75         |               |        |
|                              | 802.11n/ac<br>40 MHz          | 151                  | 5755      | 19.50        | 17.75                      | 15.50                      | 13.75         |               |        |
|                              |                               | 159                  | 5795      | 19.50        | 17.75                      | 15.50                      | 13.75         |               |        |
|                              | 802.11ac<br>80 MHz            | 155                  | 5775      | <b>19.50</b> | <b>17.75</b>               | <b>15.50</b>               | <b>13.75</b>  |               |        |

**Wi-Fi 5 GHz Measured Results**

The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures.

When the same transmission mode configurations have the same maximum output power on the same channel for the 802.11 a/g/n/ac modes, the channel in the lower order/sequence 802.11 mode (i.e. a, g, n then ac) is selected.

SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) when the same maximum output power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, for each frequency band. Additional output power measurements were not deemed necessary.

| Power Mode    | Antenna  | Power Mode A |                  |                  |                  |                |                      |                   | Power Mode B |                  |                  |             |                |                      |                   |
|---------------|----------|--------------|------------------|------------------|------------------|----------------|----------------------|-------------------|--------------|------------------|------------------|-------------|----------------|----------------------|-------------------|
|               |          | Band         | Mode             | Ch #             | Freq. (MHz)      | Meas Pwr (dBm) | Max Output Pwr (dBm) | SAR Test (Yes/No) | Band         | Mode             | Ch #             | Freq. (MHz) | Meas Pwr (dBm) | Max Output Pwr (dBm) | SAR Test (Yes/No) |
| Power State 1 | ANT5     | U-NII-1      | 802.11n (HT40)   | 38               | 5190             | 16.70          | 17.50                | Yes               | U-NII-1      | 802.11ac (VHT80) | 42               | 5210        | 12.50          | 14.00                | Yes               |
|               |          |              |                  | 46               | 5230             | 17.60          | 18.50                |                   |              |                  | 12.50            | 14.00       |                |                      |                   |
|               |          | U-NII-2C     | 802.11ac (VHT80) | 106              | 5530             | 15.40          | 16.00                | Yes               | U-NII-2C     | 802.11ac (VHT80) | 106              | 5530        | 10.40          | 11.75                | Yes               |
|               |          |              |                  | 122              | 5610             | 17.40          | 18.00                |                   |              |                  | 10.60            | 11.75       |                |                      |                   |
|               |          |              |                  | 138              | 5690             | 16.90          | 18.00                |                   |              |                  | 10.30            | 11.75       |                |                      |                   |
|               |          | U-NII-3      | 802.11ac (VHT80) | 155              | 5775             | 17.20          | 18.25                | Yes               | U-NII-3      | 802.11ac (VHT80) | 155              | 5775        | 11.50          | 13.00                | Yes               |
|               | ANT6     | U-NII-1      | 802.11n (HT40)   | 38               | 5190             | 16.30          | 17.50                | Yes               | U-NII-1      | 802.11ac (VHT80) | 42               | 5210        | 15.50          | 17.00                | Yes               |
|               |          |              |                  | 46               | 5230             | 18.80          | 20.00                |                   |              |                  | 15.50            | 17.00       |                |                      |                   |
|               |          | U-NII-2C     | 802.11ac (VHT80) | 106              | 5530             | 14.80          | 16.00                | Yes               | U-NII-2C     | 802.11ac (VHT80) | 106              | 5530        | 14.64          | 16.00                | Yes               |
|               |          |              |                  | 122              | 5610             | 18.20          | 19.25                |                   |              |                  | 16.00            | 17.50       |                |                      |                   |
|               |          |              |                  | 138              | 5690             | 18.20          | 19.25                |                   |              |                  | 16.10            | 17.50       |                |                      |                   |
|               |          | U-NII-3      | 802.11ac (VHT80) | 155              | 5775             | 18.00          | 19.50                | Yes               | U-NII-3      | 802.11ac (VHT80) | 155              | 5775        | 16.30          | 17.75                | Yes               |
| Power State 2 | ANT5     | U-NII-2A     | 802.11ac (VHT80) | 58               | 5290             | 13.40          | 14.50                | Yes               | U-NII-1      | 802.11ac (VHT80) | 42               | 5210        | 8.80           | 10.25                | Yes               |
|               |          |              |                  | 106              | 5530             | 13.00          | 14.25                |                   |              |                  | 8.80             | 10.25       |                |                      |                   |
|               |          | U-NII-2C     | 802.11ac (VHT80) | 122              | 5610             | 13.00          | 14.25                | Yes               | U-NII-2C     | 802.11ac (VHT80) | 122              | 5610        | 7.00           | 8.00                 | Yes               |
|               |          |              |                  | 138              | 5690             | 13.20          | 14.25                |                   |              |                  | 7.00             | 8.00        |                |                      |                   |
|               |          |              |                  | U-NII-3          | 802.11ac (VHT80) | 155            | 5775                 |                   |              |                  | 13.50            | 14.50       | Yes            | U-NII-3              |                   |
|               |          | ANT6         | U-NII-1          | 802.11ac (VHT80) | 42               | 5210           | 16.00                | 16.50             | Yes          | U-NII-2A         | 802.11ac (VHT80) | 58          | 5290           | 12.10                | 13.75             |
|               | 106      |              |                  |                  | 5530             | 12.90          | 14.25                | 12.10             |              |                  |                  | 13.75       |                |                      |                   |
|               | U-NII-2C |              | 802.11ac (VHT80) | 122              | 5610             | 12.90          | 14.25                | Yes               | U-NII-2C     | 802.11ac (VHT80) | 122              | 5610        | 13.50          | 15.00                | Yes               |
|               |          |              |                  | 138              | 5690             | 14.10          | 15.50                |                   |              |                  | 13.50            | 15.00       |                |                      |                   |
|               |          |              |                  | U-NII-3          | 802.11ac (VHT80) | 155            | 5775                 |                   |              |                  | 14.00            | 15.50       | Yes            | U-NII-3              |                   |

### 9.9. Bluetooth

According to KDB 447498 D01 apply to determine simultaneous transmission SAR test exclusion for Wi-Fi MIMO. If the sum of 1-g single transmission chain SAR measurements is <1.6W/kg and/or the MIMO output power is equal or less than a single chain, then no additional SAR measurements for simultaneously at the specified maximum output power of MIMO operation.

When antennas are spatially separated to the extent that SAR distributions do not overlap and can be treated independently, SAR compliance for simultaneous transmission is determined separately for each individual antenna.

#### **Maximum Output Power for Bluetooth ( $P_{low}$ , $P_{mid}$ , $P_{high}$ , and $P_{standalone}$ )**

For Bluetooth, there are three use cases:

- Bluetooth  $P_{low}$  is used when both Wi-Fi and WWAN antennas are active.
- Bluetooth  $P_{high}$  is used when Wi-Fi antenna is active and WWAN antenna is inactive or with Wi-Fi inactive and WWAN antenna is active.  $P_{High}$  power state occurs during Wi-Fi state 1.
- Bluetooth  $P_{standalone}$  is used when Wi-Fi and WWAN antennas are inactive.

| Mode | Maximum Output Power (dBm) |        |        |        |                      |        |        |        |                            |        |        |        |
|------|----------------------------|--------|--------|--------|----------------------|--------|--------|--------|----------------------------|--------|--------|--------|
|      | Bluetooth $P_{low}$        |        |        |        | Bluetooth $P_{high}$ |        |        |        | Bluetooth $P_{standalone}$ |        |        |        |
|      | ANT3                       |        | ANT4   |        | ANT3                 |        | ANT4   |        | ANT3                       |        | ANT4   |        |
|      | Mode A                     | Mode B | Mode A | Mode B | Mode A               | Mode B | Mode A | Mode B | Mode A                     | Mode B | Mode A | Mode B |
| GFSK | 13.0                       | 11.0   | 11.0   | 11.0   | 19.0                 | 16.5   | 16.5   | 16.5   | 20.0                       | 20.0   | 20.0   | 20.0   |
| EDR  | 13.0                       | 11.0   | 11.0   | 11.0   | 16.5                 | 16.5   | 16.5   | 16.5   | 16.5                       | 16.5   | 16.5   | 16.5   |
| LE1M | 13.0                       | 11.0   | 11.0   | 11.0   | 19.0                 | 16.5   | 16.5   | 16.5   | 20.0                       | 20.0   | 20.0   | 20.0   |
| LE2M | 13.0                       | 11.0   | 11.0   | 11.0   | 19.0                 | 16.5   | 16.5   | 16.5   | 20.0                       | 20.0   | 20.0   | 20.0   |
| HDR4 | 12.5                       | 11.0   | 11.0   | 11.0   | 12.5                 | 12.5   | 12.5   | 12.5   | 12.5                       | 12.5   | 12.5   | 12.5   |
| HDR8 | 13.0                       | 11.0   | 11.0   | 11.0   | 13.5                 | 13.5   | 13.5   | 13.5   | 13.5                       | 13.5   | 13.5   | 13.5   |

This device supports Bluetooth beamforming. SAR measurement is not required for Beamforming when the output power is equal or less than a single chain. Please refer to BT Maximum Output Power.

**Bluetooth Measured Results**

SAR measurement is not required for the 8PSK, BLE, and HDR. When the secondary mode is  $\leq \frac{1}{4}$  dB higher than the primary mode.

| Band                  | Antenna | Mode | Ch # | Freq. (MHz) | Mode A Power (dBm) |                      | Mode B Power (dBm) |                      |
|-----------------------|---------|------|------|-------------|--------------------|----------------------|--------------------|----------------------|
|                       |         |      |      |             | Meas Pwr           | Maximum Output Power | Meas Pwr           | Maximum Output Power |
| Bluetooth Plow        | ANT 3   | GFSK | 0    | 2402        | 11.8               | 13.0                 | 9.5                | 11.0                 |
|                       |         |      | 39   | 2441        | 11.8               | 13.0                 | 9.5                | 11.0                 |
|                       |         |      | 78   | 2480        | 11.6               | 13.0                 | 9.5                | 11.0                 |
|                       | ANT 4   | GFSK | 0    | 2402        | 9.5                | 11.0                 | 9.5                | 11.0                 |
|                       |         |      | 19   | 2440        | 9.5                | 11.0                 | 9.5                | 11.0                 |
|                       |         |      | 39   | 2480        | 9.5                | 11.0                 | 9.5                | 11.0                 |
| Bluetooth Phigh       | ANT 3   | GFSK | 0    | 2402        | 17.8               | 19.0                 | 15.0               | 16.5                 |
|                       |         |      | 39   | 2441        | 17.8               | 19.0                 | 15.3               | 16.5                 |
|                       |         |      | 78   | 2480        | 17.5               | 19.0                 | 15.2               | 16.5                 |
|                       | ANT 4   | GFSK | 0    | 2402        | 15.2               | 16.5                 | 15.2               | 16.5                 |
|                       |         |      | 19   | 2440        | 15.3               | 16.5                 | 15.3               | 16.5                 |
|                       |         |      | 39   | 2480        | 15.3               | 16.5                 | 15.3               | 16.5                 |
| Bluetooth Pstandalone | ANT 3   | GFSK | 0    | 2402        | 18.7               | 20.0                 | 18.7               | 20.0                 |
|                       |         |      | 39   | 2441        | 18.7               | 20.0                 | 18.7               | 20.0                 |
|                       |         |      | 78   | 2480        | 18.8               | 20.0                 | 18.8               | 20.0                 |
|                       | ANT 4   | GFSK | 0    | 2402        | 18.7               | 20.0                 | 18.7               | 20.0                 |
|                       |         |      | 39   | 2441        | 19.0               | 20.0                 | 19.0               | 20.0                 |
|                       |         |      | 78   | 2480        | 18.7               | 20.0                 | 18.7               | 20.0                 |

**Duty Factor Measured Results**

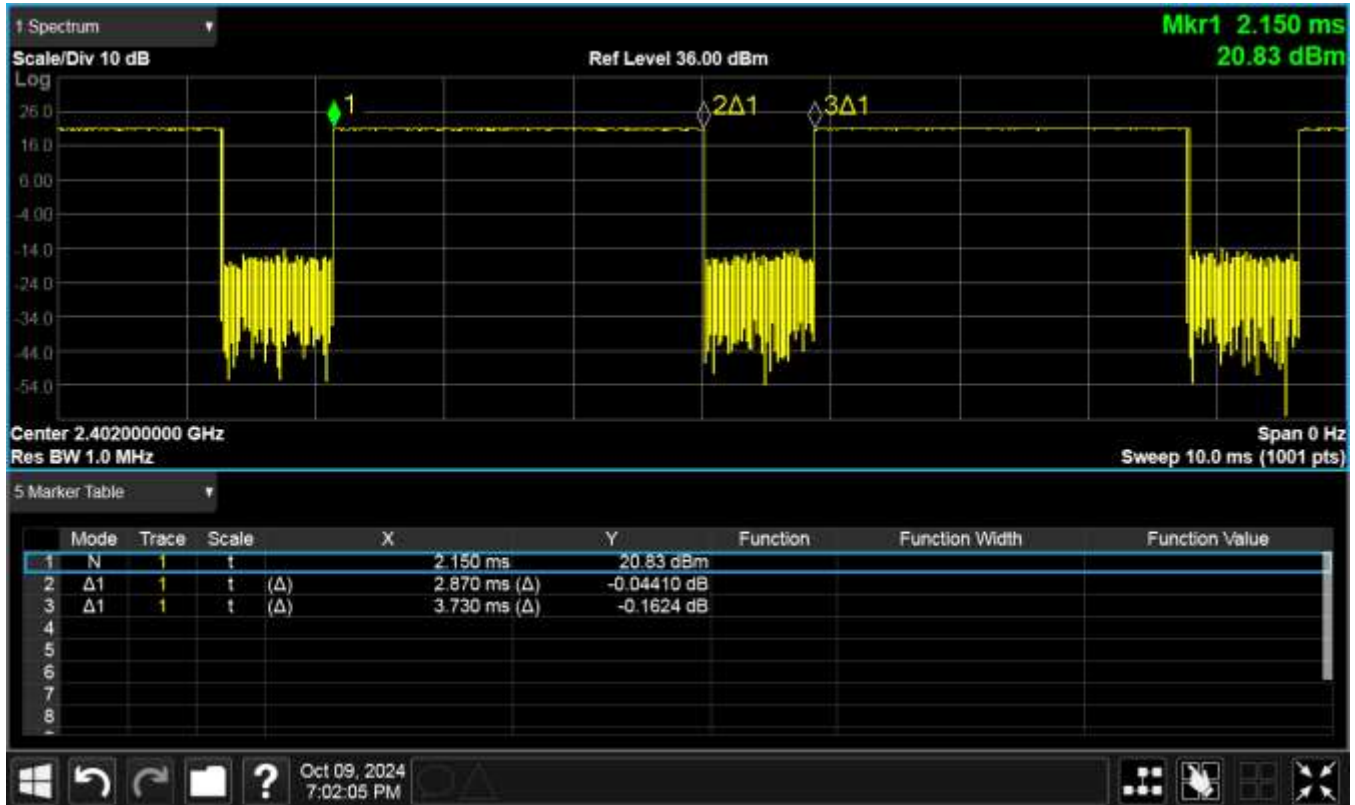
| Mode | Type | T on (ms) | Period (ms) | Duty Cycle | Crest Factor (1/duty cycle) |
|------|------|-----------|-------------|------------|-----------------------------|
| GFSK | DH5  | 2.87      | 3.73        | 76.94%     | 1.30                        |

**Note(s):**

Duty Cycle = (T on / period) \* 100%

Duty Cycle plots

GFSK



## 9.10. MSS (Mobile Satellite Service)

This device supports Mobile Satellite Service with Tx over L-Band (1610 – 1626.5 MHz) and Rx over S-Band (2483.5 – 2500 MHz). Radio Astronomy Zone exclusion requirement is implemented by Geo-fencing in Software. Transmit frequency will be changed based on network direction when Astronomy site location is detected.

### Maximum Output Power for MSS

| Band          | Mode          | Ch # | Freq. (MHz) | ANT 4              |           |
|---------------|---------------|------|-------------|--------------------|-----------|
|               |               |      |             | Power Mode B (dBm) |           |
|               |               |      |             | Meas Pwr           | Max Power |
| MSS<br>L-Band | 1-PRB SC-FDMA | Low  | 1610.17     | 22.4               | 23.4      |
|               |               | Mid  | 1618.40     | 22.3               | 23.4      |
|               |               | High | 1626.03     | 22.3               | 23.4      |



## 10. Measured and Reported (Scaled) SAR Results

The test samples provided in this project are representative of the units that will be sold.

The device supports two power modes for both standalone and simultaneous, Mode A (OBD:0) and Mode B (OBD:1). Mode A power is used when the device is used against the user's head. Mode B power is used when the device is used in a Body-worn/Hotspot/Extremity configuration by the user. SAR was measured in accordance with the device's two power modes for standalone for each antenna. SAR was not measured for simultaneous. However, simultaneous reported results were calculated based off standalone measured conducted power and SAR.

Cellular static SAR assessment will be performed according to published FCC guidance at the cellular standalone power level. Conducted power measurements and SAR measurements will not be performed at the simultaneous (PCell<sub>on</sub>\_Wi-Fi<sub>on</sub>) power level. Reported SAR from the cellular standalone assessment will be scaled down to the declared cellular simultaneous maximum output power. Algebraic simultaneous evaluation will be performed using the cellular simultaneous scaled results.

For WWAN conducted output power, there are 4 different power states:

- Power State 1 (standalone power level): CELL<sub>ON</sub> | Wi-Fi<sub>OFF</sub> - Mode A (OBD:0 as defined in Section 6)
- Power State 1 (standalone power level): CELL<sub>ON</sub> | Wi-Fi<sub>OFF</sub> - Mode B (OBD:1 as defined in Section 6)
- Power State 2 (simultaneous power level): CELL<sub>ON</sub> | Wi-Fi<sub>ON</sub> - Mode A (OBD:0 as defined in Section 6)
- Power State 2 (simultaneous power level): CELL<sub>ON</sub> | Wi-Fi<sub>ON</sub> - Mode B (OBD:1 as defined in Section 6)

For 2.4/5 GHz bands, there are 4 different power states:

- Power State 1 (CELL<sub>OFF</sub> | Wi-Fi<sub>ON</sub>) - Mode A (OBD:0 as defined in Section 6)
- Power State 1 (CELL<sub>OFF</sub> | Wi-Fi<sub>ON</sub>) - Mode B (OBD:1 as defined in Section 6)
- Power State 2 (CELL<sub>ON</sub> | Wi-Fi<sub>ON</sub>) - Mode A (OBD:0 as defined in Section 6)
- Power State 2 (CELL<sub>ON</sub> | Wi-Fi<sub>ON</sub>) - Mode B (OBD:1 as defined in Section 6)

For Bluetooth, there are 3 use cases:

- Bluetooth P<sub>low</sub> is used when both Wi-Fi and WWAN antennas are active.
- Bluetooth P<sub>high</sub> is used when Wi-Fi antenna is active and WWAN antenna is inactive or with Wi-Fi inactive and WWAN antenna is active. P<sub>High</sub> power state occurs during WWAN Power State 1 and Wi-Fi Power State 1.
- Bluetooth P<sub>standalone</sub> is used when Wi-Fi and WWAN antennas are inactive.

### Reported SAR criteria are as follows:

- Reported SAR(W/kg) for WWAN and Bluetooth = Measured SAR \* Maximum Output Power Scaling Factor
- Reported SAR(W/kg) for Wi-Fi = Measured SAR \* Maximum Output Power scaling factor \* Duty Cycle scaling factor
- Duty Cycle scaling factor = 1 / Duty cycle (%)

### KDB 447498 D01 General RF Exposure Guidance:

Testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz

### KDB 648474 D04 Handset SAR:

With headset attached, when the reported SAR for body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless Mode And frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

### KDB 648474 D04 Handset SAR (Phablet Only):

For smart phones, with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm.

When hotspot mode does not apply, 10-g Extremity SAR is required for all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge in direct contact with a flat phantom, to address interactive hand use exposure conditions. When hotspot Mode Applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2

W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.

10-g Extremity SAR testing is not required since all 1-g reported SAR < 1.2 W/kg for hotspot mode.

#### **KDB 941225 D01 SAR test for 3G devices:**

When the maximum output power and tune-up tolerance specified for production units in a secondary mode is  $\leq \frac{1}{4}$  dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary Mode And the adjusted SAR is  $\leq 1.2$  W/kg, SAR measurement is not required for the secondary mode.

#### **KDB 941225 D05 SAR for LTE Devices:**

SAR test reduction is applied using the following criteria:

- Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB, and 50% RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel.
- When the reported SAR is > 0.8 W/kg, testing for other Channels is performed at the highest output power level for 1RB, and 50% RB configuration for that channel.
- Testing for 100% RB configuration is performed at the highest output power level for 100% RB configuration across the Low, Mid and High Channel when the highest reported SAR for 1 RB and 50% RB are > 0.8 W/kg. Testing for the remaining required channels is not needed because the reported SAR for 100% RB Allocation < 1.45 W/kg.
- Testing for 16-QAM modulation is not required because the reported SAR for QPSK is < 1.45 W/Kg and its output power is not more than 0.5 dB higher than that of QPSK.
- Testing for the other channel bandwidths is not required because the reported SAR for the highest channel bandwidth is < 1.45 W/Kg and its output power is not more than 0.5 dB higher than that of the highest channel bandwidth.
- For LTE bands that do not support at least three non-overlapping channels in certain channel bandwidths, test the available non-overlapping channels instead. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing; therefore, the requirement for H, M and L channels may not fully apply.

#### **KDB 248227 D01 SAR meas for 802.11:**

SAR test reduction for 802.11 Wi-Fi transmission mode configurations are considered separately for DSSS and OFDM. An initial test position is determined to reduce the number of tests required for certain exposure configurations with multiple test positions. An initial test configuration is determined for each frequency band and aggregated band according to maximum output power, channel bandwidth, wireless mode configurations and other operating parameters to streamline the measurement requirements. For 2.4 GHz DSSS, either the initial test position or DSSS procedure is applied to reduce the number of SAR tests; these are mutually exclusive. For OFDM, an initial test position is only applicable to next to the ear, UMPC mini-tablet and hotspot mode configurations, which is tested using the initial test configuration to facilitate test reduction. For other exposure conditions with a fixed test position, SAR test reduction is determined using only the initial test configuration.

The multiple test positions require SAR measurements in head, hotspot mode or UMPC mini-tablet configurations may be reduced according to the highest reported SAR determined using the *initial test position(s)* by applying the DSSS or OFDM SAR measurement procedures in the required wireless mode test configuration(s). The *initial test position(s)* is measured using the highest measured maximum output power channel in the required wireless mode test configuration(s). When the *reported* SAR for the *initial test position* is:

- $\leq 0.4$  W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and wireless mode combination within the frequency band or aggregated band. DSSS and OFDM configurations are considered separately according to the required SAR procedures.
- > 0.4 W/kg, SAR is repeated using the same wireless mode test configuration tested in the *initial test position* to measure the subsequent next closet/smallest test separation distance and maximum coupling test position, on the highest maximum output power channel, until the *reported* SAR is  $\leq 0.8$  W/kg or all required test positions are tested.
  - For subsequent test positions with equivalent test separation distance or when exposure is dominated by coupling conditions, the position for maximum coupling condition should be tested.
  - When it is unclear, all equivalent conditions must be tested.
- For all positions/configurations tested using the *initial test position* and subsequent test positions, when the *reported* SAR is > 0.8 W/kg, measure the SAR for these positions/configurations on the subsequent next highest measured output power channel(s) until the *reported* SAR is  $\leq 1.2$  W/kg or all required test channels are considered.

- The additional power measurements required for this step should be limited to those necessary for identifying subsequent highest output power channels to apply the test reduction.
- When the specified maximum output power is the same for both UNII 1 and UNII 2A, begin SAR measurements in UNII 2A with the channel with the highest measured output power. If the reported SAR for UNII 2A is  $\leq 1.2$  W/kg, SAR is not required for UNII 1; otherwise treat the remaining bands separately and test them independently for SAR.
- When the specified maximum output power is different between UNII 1 and UNII 2A, begin SAR with the band that has the higher specified maximum output. If the highest reported SAR for the band with the highest specified power is  $\leq 1.2$  W/kg, testing for the band with the lower specified output power is not required; otherwise test the remaining bands independently for SAR.

To determine the *initial test position*, Area Scans were performed to determine the position with the *Maximum Value of SAR (measured)*. The position that produced the highest *Maximum Value of SAR* is considered the worst-case position; thus used as the *initial test position*.

### 10.1. GSM850

| Antenna(s) | RF Exposure Condition(s) | Mode(s)      | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Power State 1        |                          |                  |                   |                   |                    | Power State 2        |                   |                    | Plot No. |
|------------|--------------------------|--------------|---------------|------------|------------------|---------|-------------|----------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------|
|            |                          |              |               |            |                  |         |             | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |          |
| ANT 1      | Head                     | GPRS 2 Slots | Mode A        | 0          | Left Cheek       | 190     | 836.6       | 32.5                 | 31.6                     | 0.150            | 0.185             | 0.122             | 0.150              | 32.5                 | 0.185             | 0.150              |          |
| ANT 1      | Head                     | GPRS 2 Slots | Mode A        | 0          | Left Tilt        | 190     | 836.6       | 32.5                 | 31.6                     | 0.081            | 0.100             | 0.065             | 0.080              | 32.5                 | 0.100             | 0.080              |          |
| ANT 1      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Cheek      | 190     | 836.6       | 32.5                 | 31.6                     | 0.197            | 0.242             | 0.155             | 0.191              | 32.5                 | 0.242             | 0.191              |          |
| ANT 1      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Tilt       | 190     | 836.6       | 32.5                 | 31.6                     | 0.116            | 0.143             | 0.030             | 0.037              | 32.5                 | 0.143             | 0.037              |          |
| ANT 1      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Back             | 190     | 836.6       | 32.5                 | 31.6                     | 0.637            | 0.784             | 0.345             | 0.424              | 32.5                 | 0.784             | 0.424              |          |
| ANT 1      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Front            | 190     | 836.6       | 32.5                 | 31.6                     | 0.436            | 0.536             | 0.250             | 0.308              | 32.5                 | 0.536             | 0.308              |          |
| ANT 1      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Right       | 128     | 824.4       | 32.5                 | 31.3                     | 0.697            | <b>0.919</b>      | 0.356             | 0.469              | 32.5                 | <b>0.919</b>      | 0.469              | 1        |
| ANT 1      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Right       | 190     | 836.6       | 32.5                 | 31.6                     | 0.716            | 0.881             | 0.475             | 0.584              | 32.5                 | 0.881             | 0.584              |          |
| ANT 1      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Right       | 251     | 848.8       | 32.5                 | 31.4                     | 0.612            | 0.788             | 0.297             | 0.383              | 32.5                 | 0.788             | 0.383              |          |
| ANT 1      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Bottom      | 190     | 836.6       | 32.5                 | 31.6                     | 0.545            | 0.670             | 0.246             | 0.303              | 32.5                 | 0.670             | 0.303              |          |
| ANT 1      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Left        | 190     | 836.6       | 32.5                 | 31.6                     | 0.252            | 0.310             | 0.166             | 0.204              | 32.5                 | 0.310             | 0.204              |          |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)      | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Power State 1        |                          |                  |                   |                   |                    | Power State 2        |                   |                    | Plot No. |
|            |                          |              |               |            |                  |         |             | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |          |
| ANT 2      | Head                     | GPRS 2 Slots | Mode A        | 0          | Left Cheek       | 190     | 836.6       | 29.5                 | 28.6                     | 0.624            | 0.768             | 0.359             | 0.442              | 28.7                 | 0.639             | 0.367              |          |
| ANT 2      | Head                     | GPRS 2 Slots | Mode A        | 0          | Left Tilt        | 190     | 836.6       | 29.5                 | 28.6                     | 0.465            | 0.572             | 0.255             | 0.314              | 28.7                 | 0.476             | 0.261              |          |
| ANT 2      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Cheek      | 128     | 824.4       | 29.5                 | 28.7                     | 0.739            | <b>0.888</b>      | 0.416             | 0.500              | 28.7                 | <b>0.739</b>      | 0.416              | 2        |
| ANT 2      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Cheek      | 190     | 836.6       | 29.5                 | 28.6                     | 0.698            | 0.859             | 0.386             | 0.475              | 28.7                 | 0.714             | 0.395              |          |
| ANT 2      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Cheek      | 251     | 848.8       | 29.5                 | 28.7                     | 0.678            | 0.815             | 0.374             | 0.450              | 28.7                 | 0.678             | 0.374              |          |
| ANT 2      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Tilt       | 190     | 836.6       | 29.5                 | 28.6                     | 0.466            | 0.573             | 0.243             | 0.299              | 28.7                 | 0.477             | 0.249              |          |
| ANT 2      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Back             | 128     | 824.4       | 31.5                 | 30.7                     | 0.728            | 0.875             | 0.420             | 0.505              | 31.5                 | 0.875             | 0.505              |          |
| ANT 2      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Back             | 190     | 836.6       | 31.5                 | 30.6                     | 0.671            | 0.826             | 0.385             | 0.474              | 31.5                 | 0.826             | 0.474              |          |
| ANT 2      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Back             | 251     | 848.8       | 31.5                 | 30.5                     | 0.709            | <b>0.893</b>      | 0.403             | 0.507              | 31.5                 | <b>0.893</b>      | 0.507              | 3        |
| ANT 2      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Front            | 190     | 836.6       | 31.5                 | 30.6                     | 0.528            | 0.650             | 0.297             | 0.365              | 31.5                 | 0.650             | 0.365              |          |
| ANT 2      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Top         | 190     | 836.6       | 31.5                 | 30.6                     | 0.413            | 0.508             | 0.192             | 0.236              | 31.5                 | 0.508             | 0.236              |          |
| ANT 2      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Right       | 190     | 836.6       | 31.5                 | 30.6                     | 0.271            | 0.333             | 0.180             | 0.221              | 31.5                 | 0.333             | 0.221              |          |
| ANT 2      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Left        | 190     | 836.6       | 31.5                 | 30.6                     | 0.136            | 0.167             | 0.089             | 0.109              | 31.5                 | 0.167             | 0.109              |          |

### 10.2. GSM1900

|            |                          |              |               |            |                  |         |             | Power State 1        |                          |                  |                   |                   |                    | Power State 2        |                   |                    |          |
|------------|--------------------------|--------------|---------------|------------|------------------|---------|-------------|----------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------|
| Antenna(s) | RF Exposure Condition(s) | Mode(s)      | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 1      | Head                     | GPRS 2 Slots | Mode A        | 0          | Left Cheek       | 661     | 1880.0      | 31.0                 | 30.5                     | 0.135            | 0.151             | 0.087             | 0.098              | 31.0                 | 0.151             | 0.098              |          |
| ANT 1      | Head                     | GPRS 2 Slots | Mode A        | 0          | Left Tilt        | 661     | 1880.0      | 31.0                 | 30.5                     | 0.096            | 0.108             | 0.060             | 0.067              | 31.0                 | 0.108             | 0.067              |          |
| ANT 1      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Cheek      | 661     | 1880.0      | 31.0                 | 30.5                     | 0.245            | 0.275             | 0.153             | 0.172              | 31.0                 | 0.275             | 0.172              |          |
| ANT 1      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Tilt       | 661     | 1880.0      | 31.0                 | 30.5                     | 0.078            | 0.088             | 0.050             | 0.056              | 31.0                 | 0.088             | 0.056              |          |
| ANT 1      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Back             | 661     | 1880.0      | 25.7                 | 24.7                     | 0.419            | 0.527             | 0.226             | 0.285              | 24.9                 | 0.439             | 0.237              |          |
| ANT 1      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Front            | 661     | 1880.0      | 25.7                 | 24.7                     | 0.297            | 0.374             | 0.164             | 0.206              | 24.9                 | 0.311             | 0.172              |          |
| ANT 1      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Right       | 661     | 1880.0      | 25.7                 | 24.7                     | 0.419            | 0.527             | 0.211             | 0.266              | 24.9                 | 0.439             | 0.221              |          |
| ANT 1      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Bottom      | 661     | 1880.0      | 25.7                 | 24.7                     | 0.418            | 0.526             | 0.204             | 0.257              | 24.9                 | 0.438             | 0.214              |          |
| ANT 1      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Left        | 661     | 1880.0      | 25.7                 | 24.7                     | 0.028            | 0.035             | 0.016             | 0.020              | 24.9                 | 0.029             | 0.017              |          |
|            |                          |              |               |            |                  |         |             | Power State 1        |                          |                  |                   |                   |                    | Power State 2        |                   |                    |          |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)      | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 2      | Head                     | GPRS 2 Slots | Mode A        | 0          | Left Cheek       | 512     | 1850.2      | 27.0                 | 25.9                     | 0.630            | 0.812             | 0.356             | 0.459              | 26.2                 | 0.675             | 0.381              |          |
| ANT 2      | Head                     | GPRS 2 Slots | Mode A        | 0          | Left Cheek       | 661     | 1880.0      | 27.0                 | 25.8                     | 0.643            | 0.848             | 0.368             | 0.485              | 26.2                 | 0.705             | 0.404              |          |
| ANT 2      | Head                     | GPRS 2 Slots | Mode A        | 0          | Left Cheek       | 810     | 1909.8      | 27.0                 | 25.8                     | 0.656            | 0.865             | 0.381             | 0.502              | 26.2                 | 0.719             | 0.418              |          |
| ANT 2      | Head                     | GPRS 2 Slots | Mode A        | 0          | Left Tilt        | 661     | 1880.0      | 27.0                 | 25.8                     | 0.460            | 0.606             | 0.241             | 0.318              | 26.2                 | 0.504             | 0.264              |          |
| ANT 2      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Cheek      | 512     | 1850.2      | 27.0                 | 25.9                     | 0.809            | 1.042             | 0.508             | 0.654              | 26.2                 | 0.867             | 0.544              |          |
| ANT 2      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Cheek      | 661     | 1880.0      | 27.0                 | 25.8                     | 0.830            | <b>1.094</b>      | 0.398             | 0.525              | 26.2                 | <b>0.910</b>      | 0.436              | 4        |
| ANT 2      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Cheek      | 810     | 1909.8      | 27.0                 | 25.8                     | 0.829            | 1.093             | 0.505             | 0.666              | 26.2                 | 0.909             | 0.554              |          |
| ANT 2      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Tilt       | 661     | 1880.0      | 27.0                 | 25.8                     | 0.558            | 0.736             | 0.264             | 0.348              | 26.2                 | 0.612             | 0.289              |          |
| ANT 2      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Back             | 512     | 1850.2      | 27.3                 | 26.3                     | 0.662            | 0.833             | 0.315             | 0.397              | 26.5                 | 0.693             | 0.330              |          |
| ANT 2      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Back             | 661     | 1880.0      | 27.3                 | 26.1                     | 0.673            | 0.887             | 0.318             | 0.419              | 26.5                 | 0.738             | 0.349              |          |
| ANT 2      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Back             | 810     | 1909.8      | 27.3                 | 26.1                     | 0.688            | <b>0.907</b>      | 0.326             | 0.430              | 26.5                 | <b>0.754</b>      | 0.357              | 5        |
| ANT 2      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Front            | 661     | 1880.0      | 27.3                 | 26.1                     | 0.377            | 0.497             | 0.188             | 0.248              | 26.5                 | 0.413             | 0.206              |          |
| ANT 2      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Top         | 661     | 1880.0      | 27.3                 | 26.1                     | 0.438            | 0.577             | 0.208             | 0.274              | 26.5                 | 0.480             | 0.228              |          |
| ANT 2      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Right       | 661     | 1880.0      | 27.3                 | 26.1                     | 0.024            | 0.032             | 0.013             | 0.017              | 26.5                 | 0.026             | 0.014              |          |
| ANT 2      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Left        | 661     | 1880.0      | 27.3                 | 26.1                     | 0.318            | 0.419             | 0.171             | 0.225              | 26.5                 | 0.349             | 0.187              |          |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)      | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Power State 1        |                          |                  |                   | Power State 2     |                    |                      | Plot No.     |                   |                    |
|------------|--------------------------|--------------|---------------|------------|------------------|---------|-------------|----------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------|--------------|-------------------|--------------------|
|            |                          |              |               |            |                  |         |             | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 3      | Head                     | GPRS 2 Slots | Mode A        | 0          | Left Cheek       | 661     | 1880.0      | 30.5                 | 29.9                     | 0.480            | 0.551             | 0.308             | 0.354              | 30.5                 | 0.551        | 0.354             |                    |
| ANT 3      | Head                     | GPRS 2 Slots | Mode A        | 0          | Left Tilt        | 661     | 1880.0      | 30.5                 | 29.9                     | 0.215            | 0.247             | 0.137             | 0.157              | 30.5                 | 0.247        | 0.157             |                    |
| ANT 3      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Cheek      | 661     | 1880.0      | 30.5                 | 29.9                     | 0.229            | 0.263             | 0.158             | 0.181              | 30.5                 | 0.263        | 0.181             |                    |
| ANT 3      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Tilt       | 661     | 1880.0      | 30.5                 | 29.9                     | 0.190            | 0.218             | 0.117             | 0.134              | 30.5                 | 0.218        | 0.134             |                    |
| ANT 3      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Back             | 512     | 1850.2      | 27.8                 | 27.2                     | 0.761            | 0.874             | 0.422             | 0.485              | 27.0                 | 0.727        | 0.403             |                    |
| ANT 3      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Back             | 661     | 1880.0      | 27.8                 | 27.3                     | 0.761            | 0.854             | 0.408             | 0.458              | 27.0                 | 0.710        | 0.381             |                    |
| ANT 3      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Back             | 810     | 1909.8      | 27.8                 | 27.1                     | 0.716            | 0.841             | 0.375             | 0.441              | 27.0                 | 0.700        | 0.366             |                    |
| ANT 3      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Front            | 661     | 1880.0      | 27.8                 | 27.3                     | 0.608            | 0.682             | 0.320             | 0.359              | 27.0                 | 0.567        | 0.299             |                    |
| ANT 3      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Bottom      | 661     | 1880.0      | 27.8                 | 27.3                     | 0.190            | 0.213             | 0.097             | 0.109              | 27.0                 | 0.177        | 0.091             |                    |
| ANT 3      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Left        | 512     | 1850.2      | 27.8                 | 27.2                     | 0.804            | <b>0.923</b>      | 0.408             | 0.468              | 27.0                 | <b>0.768</b> | 0.390             | 6                  |
| ANT 3      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Left        | 661     | 1880.0      | 27.8                 | 27.3                     | 0.807            | 0.905             | 0.407             | 0.457              | 27.0                 | 0.753        | 0.380             |                    |
| ANT 3      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Left        | 810     | 1909.8      | 27.8                 | 27.1                     | 0.757            | 0.889             | 0.379             | 0.445              | 27.0                 | 0.740        | 0.370             |                    |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)      | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Power State 1        |                          |                  |                   | Power State 2     |                    |                      | Plot No.     |                   |                    |
|            |                          |              |               |            |                  |         |             | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | GPRS 2 Slots | Mode A        | 0          | Left Cheek       | 661     | 1880.0      | 25.8                 | 25.0                     | 0.518            | 0.629             | 0.244             | 0.296              | 25.0                 | 0.523        | 0.246             |                    |
| ANT 4      | Head                     | GPRS 2 Slots | Mode A        | 0          | Left Tilt        | 661     | 1880.0      | 25.8                 | 25.0                     | 0.204            | 0.248             | 0.106             | 0.129              | 25.0                 | 0.206        | 0.107             |                    |
| ANT 4      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Cheek      | 661     | 1880.0      | 25.8                 | 25.0                     | 0.172            | 0.209             | 0.099             | 0.120              | 25.0                 | 0.174        | 0.100             |                    |
| ANT 4      | Head                     | GPRS 2 Slots | Mode A        | 0          | Right Tilt       | 661     | 1880.0      | 25.8                 | 25.0                     | 0.110            | 0.133             | 0.065             | 0.079              | 25.0                 | 0.111        | 0.066             |                    |
| ANT 4      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Back             | 661     | 1880.0      | 27.7                 | 26.3                     | 0.298            | 0.411             | 0.152             | 0.210              | 26.9                 | 0.342        | 0.175             |                    |
| ANT 4      | Body & Hotspot           | GPRS 2 Slots | Mode B        | 5          | Front            | 661     | 1880.0      | 27.7                 | 26.3                     | 0.282            | 0.389             | 0.141             | 0.195              | 26.9                 | 0.324        | 0.162             |                    |
| ANT 4      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Top         | 661     | 1880.0      | 27.7                 | 26.3                     | 0.154            | 0.213             | 0.077             | 0.106              | 26.9                 | 0.177        | 0.088             |                    |
| ANT 4      | Hotspot                  | GPRS 2 Slots | Mode B        | 5          | Edge Right       | 661     | 1880.0      | 27.7                 | 26.3                     | 0.574            | 0.792             | 0.277             | 0.382              | 26.9                 | 0.659        | 0.318             |                    |

### 10.3. W-CDMA Band II

|            |                          |         |               |            |                  |         |             | Power State 1              |                          |                  |                   |                   |                    | Power State 2              |                   |                    |          |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|--------------------|----------|
| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 1      | Head                     | Rel. 99 | Mode A        | 0          | Left Cheek       | 9400    | 1880.0      | 25.7                       | 25.3                     | 0.191            | 0.209             | 0.126             | 0.138              | 25.0                       | 0.178             | 0.118              |          |
| ANT 1      | Head                     | Rel. 99 | Mode A        | 0          | Left Tilt        | 9400    | 1880.0      | 25.7                       | 25.3                     | 0.132            | 0.145             | 0.084             | 0.092              | 25.0                       | 0.123             | 0.078              |          |
| ANT 1      | Head                     | Rel. 99 | Mode A        | 0          | Right Cheek      | 9400    | 1880.0      | 25.7                       | 25.3                     | 0.364            | 0.399             | 0.229             | 0.251              | 25.0                       | 0.340             | 0.214              |          |
| ANT 1      | Head                     | Rel. 99 | Mode A        | 0          | Right Tilt       | 9400    | 1880.0      | 25.7                       | 25.3                     | 0.132            | 0.145             | 0.083             | 0.091              | 25.0                       | 0.123             | 0.077              |          |
| ANT 1      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 9400    | 1880.0      | 19.7                       | 18.0                     | 0.503            | 0.744             | 0.261             | 0.386              | 18.9                       | 0.619             | 0.321              |          |
| ANT 1      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Front            | 9400    | 1880.0      | 19.7                       | 18.0                     | 0.335            | 0.496             | 0.180             | 0.266              | 18.9                       | 0.412             | 0.221              |          |
| ANT 1      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Right       | 9400    | 1880.0      | 19.7                       | 18.0                     | 0.399            | 0.590             | 0.192             | 0.284              | 18.9                       | 0.491             | 0.236              |          |
| ANT 1      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Bottom      | 9262    | 1852.4      | 19.7                       | 18.1                     | 0.737            | 1.065             | 0.344             | 0.497              | 18.9                       | 0.886             | 0.414              |          |
| ANT 1      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Bottom      | 9400    | 1880.0      | 19.7                       | 18.0                     | 0.685            | 1.013             | 0.318             | 0.470              | 18.9                       | 0.843             | 0.391              |          |
| ANT 1      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Bottom      | 9538    | 1907.6      | 19.7                       | 17.9                     | 0.526            | 0.796             | 0.243             | 0.368              | 18.9                       | 0.662             | 0.306              |          |
| ANT 1      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Left        | 9400    | 1880.0      | 19.7                       | 18.0                     | 0.015            | 0.022             | 0.008             | 0.012              | 18.9                       | 0.018             | 0.010              |          |
|            |                          |         |               |            |                  |         |             | Power State 1              |                          |                  |                   |                   |                    | Power State 2              |                   |                    |          |
| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Maximum Output Power       | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power       | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Left Cheek       | 9400    | 1880.0      | 21.0                       | 19.9                     | 0.367            | 0.473             | 0.210             | 0.271              | 20.2                       | 0.393             | 0.225              |          |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Left Tilt        | 9400    | 1880.0      | 21.0                       | 19.9                     | 0.237            | 0.305             | 0.128             | 0.165              | 20.2                       | 0.254             | 0.137              |          |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Right Cheek      | 9262    | 1852.4      | 21.0                       | 20.0                     | 0.755            | 0.950             | 0.421             | 0.530              | 20.2                       | 0.791             | 0.441              |          |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Right Cheek      | 9400    | 1880.0      | 21.0                       | 19.9                     | 0.802            | 1.033             | 0.456             | 0.587              | 20.2                       | 0.859             | 0.489              |          |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Right Cheek      | 9538    | 1907.6      | 21.0                       | 19.9                     | 0.869            | <b>1.119</b>      | 0.514             | 0.662              | 20.2                       | <b>0.931</b>      | 0.551              | 7        |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Right Tilt       | 9262    | 1852.4      | 21.0                       | 20.0                     | 0.577            | 0.726             | 0.281             | 0.354              | 20.2                       | 0.604             | 0.294              |          |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Right Tilt       | 9400    | 1880.0      | 21.0                       | 19.9                     | 0.588            | 0.757             | 0.284             | 0.366              | 20.2                       | 0.630             | 0.304              |          |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Right Tilt       | 9538    | 1907.6      | 21.0                       | 19.9                     | 0.616            | 0.794             | 0.301             | 0.388              | 20.2                       | 0.660             | 0.323              |          |
| ANT 2      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 9262    | 1852.4      | 21.3                       | 20.0                     | 0.740            | 0.998             | 0.351             | 0.473              | 20.5                       | 0.830             | 0.394              |          |
| ANT 2      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 9400    | 1880.0      | 21.3                       | 19.9                     | 0.759            | 1.048             | 0.357             | 0.493              | 20.5                       | 0.871             | 0.410              |          |
| ANT 2      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 9538    | 1907.6      | 21.3                       | 19.9                     | 0.781            | <b>1.078</b>      | 0.365             | 0.504              | 20.5                       | <b>0.897</b>      | 0.419              | 8        |
| ANT 2      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Front            | 9400    | 1880.0      | 21.3                       | 19.9                     | 0.391            | 0.540             | 0.197             | 0.272              | 20.5                       | 0.449             | 0.226              |          |
| ANT 2      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Top         | 9400    | 1880.0      | 21.3                       | 19.9                     | 0.498            | 0.687             | 0.230             | 0.317              | 20.5                       | 0.572             | 0.264              |          |
| ANT 2      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Right       | 9400    | 1880.0      | 21.3                       | 19.9                     | 0.032            | 0.044             | 0.018             | 0.025              | 20.5                       | 0.037             | 0.021              |          |
| ANT 2      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Left        | 9400    | 1880.0      | 21.3                       | 19.9                     | 0.470            | 0.649             | 0.246             | 0.340              | 20.5                       | 0.540             | 0.282              |          |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Power State 1        |                          |                  |                   | Power State 2     |                    |                      | Plot No.     |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|----------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------|--------------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 3      | Head                     | Rel. 99 | Mode A        | 0          | Left Cheek       | 9400    | 1880.0      | 24.5                 | 23.7                     | 0.545            | 0.655             | 0.347             | 0.417              | 23.7                 | 0.545        | 0.347             |                    |
| ANT 3      | Head                     | Rel. 99 | Mode A        | 0          | Left Tilt        | 9400    | 1880.0      | 24.5                 | 23.7                     | 0.281            | 0.338             | 0.182             | 0.219              | 23.7                 | 0.281        | 0.182             |                    |
| ANT 3      | Head                     | Rel. 99 | Mode A        | 0          | Right Cheek      | 9400    | 1880.0      | 24.5                 | 23.7                     | 0.246            | 0.296             | 0.172             | 0.207              | 23.7                 | 0.246        | 0.172             |                    |
| ANT 3      | Head                     | Rel. 99 | Mode A        | 0          | Right Tilt       | 9400    | 1880.0      | 24.5                 | 23.7                     | 0.228            | 0.274             | 0.141             | 0.170              | 23.7                 | 0.228        | 0.141             |                    |
| ANT 3      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 9262    | 1852.4      | 21.8                 | 20.9                     | 0.856            | 1.053             | 0.456             | 0.561              | 21.0                 | 0.876        | 0.467             |                    |
| ANT 3      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 9400    | 1880.0      | 21.8                 | 21.0                     | 0.821            | 0.987             | 0.436             | 0.524              | 21.0                 | 0.821        | 0.436             |                    |
| ANT 3      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 9538    | 1907.6      | 21.8                 | 21.0                     | 0.812            | 0.976             | 0.430             | 0.517              | 21.0                 | 0.812        | 0.430             |                    |
| ANT 3      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Front            | 9262    | 1852.4      | 21.8                 | 20.9                     | 0.685            | 0.843             | 0.360             | 0.443              | 21.0                 | 0.701        | 0.368             |                    |
| ANT 3      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Front            | 9400    | 1880.0      | 21.8                 | 21.0                     | 0.678            | 0.815             | 0.353             | 0.424              | 21.0                 | 0.678        | 0.353             |                    |
| ANT 3      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Front            | 9538    | 1907.6      | 21.8                 | 21.0                     | 0.633            | 0.761             | 0.335             | 0.403              | 21.0                 | 0.633        | 0.335             |                    |
| ANT 3      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Bottom      | 9400    | 1880.0      | 21.8                 | 21.0                     | 0.164            | 0.197             | 0.079             | 0.095              | 21.0                 | 0.164        | 0.079             |                    |
| ANT 3      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Left        | 9262    | 1852.4      | 21.8                 | 20.9                     | 0.894            | <b>1.100</b>      | 0.442             | 0.544              | 21.0                 | <b>0.915</b> | 0.452             | 9                  |
| ANT 3      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Left        | 9400    | 1880.0      | 21.8                 | 21.0                     | 0.799            | 0.961             | 0.392             | 0.471              | 21.0                 | 0.799        | 0.392             |                    |
| ANT 3      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Left        | 9538    | 1907.6      | 21.8                 | 21.0                     | 0.827            | 0.994             | 0.403             | 0.485              | 21.0                 | 0.827        | 0.403             |                    |
| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Power State 1        |                          |                  |                   | Power State 2     |                    |                      | Plot No.     |                   |                    |
|            |                          |         |               |            |                  |         |             | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | Rel. 99 | Mode A        | 0          | Left Cheek       | 9262    | 1852.4      | 20.0                 | 19.1                     | 0.700            | 0.861             | 0.332             | 0.408              | 19.2                 | 0.716        | 0.340             |                    |
| ANT 4      | Head                     | Rel. 99 | Mode A        | 0          | Left Cheek       | 9400    | 1880.0      | 20.0                 | 19.1                     | 0.785            | 0.966             | 0.371             | 0.456              | 19.2                 | 0.803        | 0.380             |                    |
| ANT 4      | Head                     | Rel. 99 | Mode A        | 0          | Left Cheek       | 9538    | 1907.6      | 20.0                 | 19.0                     | 0.864            | 1.088             | 0.399             | 0.502              | 19.2                 | 0.905        | 0.418             |                    |
| ANT 4      | Head                     | Rel. 99 | Mode A        | 0          | Left Tilt        | 9400    | 1880.0      | 20.0                 | 19.1                     | 0.269            | 0.331             | 0.138             | 0.170              | 19.2                 | 0.275        | 0.141             |                    |
| ANT 4      | Head                     | Rel. 99 | Mode A        | 0          | Right Cheek      | 9400    | 1880.0      | 20.0                 | 19.1                     | 0.217            | 0.267             | 0.122             | 0.150              | 19.2                 | 0.222        | 0.125             |                    |
| ANT 4      | Head                     | Rel. 99 | Mode A        | 0          | Right Tilt       | 9400    | 1880.0      | 20.0                 | 19.1                     | 0.117            | 0.144             | 0.069             | 0.085              | 19.2                 | 0.120        | 0.071             |                    |
| ANT 4      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 9400    | 1880.0      | 21.6                 | 20.4                     | 0.372            | 0.490             | 0.186             | 0.245              | 20.8                 | 0.408        | 0.204             |                    |
| ANT 4      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Front            | 9400    | 1880.0      | 21.6                 | 20.4                     | 0.258            | 0.340             | 0.137             | 0.181              | 20.8                 | 0.283        | 0.150             |                    |
| ANT 4      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Top         | 9400    | 1880.0      | 21.6                 | 20.4                     | 0.160            | 0.211             | 0.074             | 0.098              | 20.8                 | 0.175        | 0.081             |                    |
| ANT 4      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Right       | 9262    | 1852.4      | 21.6                 | 20.4                     | 0.619            | 0.816             | 0.310             | 0.409              | 20.8                 | 0.679        | 0.340             |                    |
| ANT 4      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Right       | 9400    | 1880.0      | 21.6                 | 20.4                     | 0.681            | 0.898             | 0.339             | 0.447              | 20.8                 | 0.747        | 0.372             |                    |
| ANT 4      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Right       | 9538    | 1907.6      | 21.6                 | 20.4                     | 0.647            | 0.853             | 0.327             | 0.431              | 20.8                 | 0.709        | 0.359             |                    |



### 10.4. W-CDMA Band IV

|            |                          |         |               |            |                  |         |             | Power State 1        |                          |                  |                   |                   |                    | Power State 2        |                   |                    |          |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|----------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------|
| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 1      | Head                     | Rel. 99 | Mode A        | 0          | Left Cheek       | 1413    | 1732.6      | 25.2                 | 24.6                     | 0.197            | 0.226             | 0.134             | 0.154              | 24.4                 | 0.188             | 0.128              |          |
| ANT 1      | Head                     | Rel. 99 | Mode A        | 0          | Left Tilt        | 1413    | 1732.6      | 25.2                 | 24.6                     | 0.145            | 0.166             | 0.094             | 0.108              | 24.4                 | 0.138             | 0.090              |          |
| ANT 1      | Head                     | Rel. 99 | Mode A        | 0          | Right Cheek      | 1413    | 1732.6      | 25.2                 | 24.6                     | 0.380            | 0.436             | 0.253             | 0.290              | 24.4                 | 0.363             | 0.242              |          |
| ANT 1      | Head                     | Rel. 99 | Mode A        | 0          | Right Tilt       | 1413    | 1732.6      | 25.2                 | 24.6                     | 0.131            | 0.150             | 0.088             | 0.101              | 24.4                 | 0.125             | 0.084              |          |
| ANT 1      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 1312    | 1712.4      | 19.6                 | 19.5                     | 0.742            | 0.759             | 0.384             | 0.393              | 18.8                 | 0.632             | 0.327              |          |
| ANT 1      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 1413    | 1732.6      | 19.6                 | 19.4                     | 0.792            | 0.829             | 0.413             | 0.432              | 18.8                 | 0.690             | 0.360              |          |
| ANT 1      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 1513    | 1752.6      | 19.6                 | 19.3                     | 0.712            | 0.763             | 0.372             | 0.399              | 18.8                 | 0.635             | 0.332              |          |
| ANT 1      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Front            | 1413    | 1732.6      | 19.6                 | 19.4                     | 0.580            | 0.607             | 0.294             | 0.308              | 18.8                 | 0.505             | 0.256              |          |
| ANT 1      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Right       | 1413    | 1732.6      | 19.6                 | 19.4                     | 0.315            | 0.330             | 0.159             | 0.166              | 18.8                 | 0.274             | 0.138              |          |
| ANT 1      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Bottom      | 1312    | 1712.4      | 19.6                 | 19.5                     | 0.977            | 1.000             | 0.474             | 0.485              | 18.8                 | 0.832             | 0.403              |          |
| ANT 1      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Bottom      | 1413    | 1732.6      | 19.6                 | 19.4                     | 1.010            | 1.058             | 0.490             | 0.513              | 18.8                 | 0.880             | 0.427              |          |
| ANT 1      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Bottom      | 1513    | 1752.6      | 19.6                 | 19.3                     | 1.020            | 1.093             | 0.495             | 0.530              | 18.8                 | 0.909             | 0.441              |          |
| ANT 1      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Left        | 1413    | 1732.6      | 19.6                 | 19.4                     | 0.016            | 0.017             | 0.009             | 0.009              | 18.8                 | 0.014             | 0.008              |          |
|            |                          |         |               |            |                  |         |             | Power State 1        |                          |                  |                   |                   |                    | Power State 2        |                   |                    |          |
| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Left Cheek       | 1413    | 1732.6      | 19.3                 | 19.0                     | 0.671            | 0.719             | 0.316             | 0.339              | 18.5                 | 0.598             | 0.282              |          |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Left Tilt        | 1413    | 1732.6      | 19.3                 | 19.0                     | 0.646            | 0.692             | 0.303             | 0.325              | 18.5                 | 0.576             | 0.270              |          |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Right Cheek      | 1312    | 1712.4      | 19.3                 | 19.2                     | 1.160            | <b>1.187</b>      | 0.578             | 0.591              | 18.5                 | <b>0.987</b>      | 0.492              | 10       |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Right Cheek      | 1413    | 1732.6      | 19.3                 | 19.0                     | 1.030            | 1.104             | 0.532             | 0.570              | 18.5                 | 0.918             | 0.474              |          |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Right Cheek      | 1513    | 1752.6      | 19.3                 | 19.0                     | 1.010            | 1.082             | 0.518             | 0.555              | 18.5                 | 0.900             | 0.462              |          |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Right Tilt       | 1413    | 1732.6      | 19.3                 | 19.0                     | 0.683            | 0.732             | 0.339             | 0.363              | 18.5                 | 0.609             | 0.302              |          |
| ANT 2      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 1312    | 1712.4      | 19.0                 | 17.9                     | 0.632            | 0.814             | 0.326             | 0.420              | 18.2                 | 0.677             | 0.349              |          |
| ANT 2      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 1413    | 1732.6      | 19.0                 | 17.8                     | 0.573            | 0.755             | 0.291             | 0.384              | 18.2                 | 0.628             | 0.319              |          |
| ANT 2      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 1513    | 1752.6      | 19.0                 | 17.6                     | 0.571            | 0.788             | 0.295             | 0.407              | 18.2                 | 0.656             | 0.339              |          |
| ANT 2      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Front            | 1413    | 1732.6      | 19.0                 | 17.8                     | 0.522            | 0.688             | 0.252             | 0.332              | 18.2                 | 0.572             | 0.276              |          |
| ANT 2      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Top         | 1312    | 1712.4      | 19.0                 | 17.9                     | 0.916            | 1.180             | 0.424             | 0.546              | 18.2                 | 0.982             | 0.454              |          |
| ANT 2      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Top         | 1413    | 1732.6      | 19.0                 | 17.8                     | 0.904            | <b>1.192</b>      | 0.420             | 0.554              | 18.2                 | <b>0.991</b>      | 0.461              | 11       |
| ANT 2      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Top         | 1513    | 1752.6      | 19.0                 | 17.6                     | 0.839            | 1.158             | 0.393             | 0.542              | 18.2                 | 0.963             | 0.451              |          |
| ANT 2      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Left        | 1413    | 1732.6      | 19.0                 | 17.8                     | 0.272            | 0.359             | 0.133             | 0.175              | 18.2                 | 0.298             | 0.146              |          |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Power State 1        |                          |                  |                   | Power State 2     |                    |                      | Plot No. |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|----------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------|----------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 3      | Head                     | Rel. 99 | Mode A        | 0          | Left Cheek       | 1413    | 1732.6      | 24.2                 | 23.2                     | 0.436            | 0.549             | 0.285             | 0.359              | 23.4                 | 0.457    | 0.298             |                    |
| ANT 3      | Head                     | Rel. 99 | Mode A        | 0          | Left Tilt        | 1413    | 1732.6      | 24.2                 | 23.2                     | 0.192            | 0.242             | 0.125             | 0.157              | 23.4                 | 0.201    | 0.131             |                    |
| ANT 3      | Head                     | Rel. 99 | Mode A        | 0          | Right Cheek      | 1413    | 1732.6      | 24.2                 | 23.2                     | 0.197            | 0.248             | 0.136             | 0.171              | 23.4                 | 0.206    | 0.142             |                    |
| ANT 3      | Head                     | Rel. 99 | Mode A        | 0          | Right Tilt       | 1413    | 1732.6      | 24.2                 | 23.2                     | 0.148            | 0.186             | 0.097             | 0.122              | 23.4                 | 0.155    | 0.102             |                    |
| ANT 3      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 1312    | 1712.4      | 22.3                 | 21.4                     | 0.929            | 1.143             | 0.515             | 0.634              | 21.5                 | 0.951    | 0.527             |                    |
| ANT 3      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 1413    | 1732.6      | 22.3                 | 21.3                     | 0.935            | 1.177             | 0.526             | 0.662              | 21.5                 | 0.979    | 0.551             | 12                 |
| ANT 3      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 1513    | 1752.6      | 22.3                 | 21.3                     | 0.859            | 1.081             | 0.482             | 0.607              | 21.5                 | 0.899    | 0.505             |                    |
| ANT 3      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Front            | 1312    | 1712.4      | 22.3                 | 21.4                     | 0.637            | 0.784             | 0.362             | 0.445              | 21.5                 | 0.652    | 0.370             |                    |
| ANT 3      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Front            | 1413    | 1732.6      | 22.3                 | 21.3                     | 0.643            | 0.809             | 0.364             | 0.458              | 21.5                 | 0.673    | 0.381             |                    |
| ANT 3      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Front            | 1513    | 1752.6      | 22.3                 | 21.3                     | 0.620            | 0.781             | 0.345             | 0.434              | 21.5                 | 0.649    | 0.361             |                    |
| ANT 3      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Bottom      | 1413    | 1732.6      | 22.3                 | 21.3                     | 0.268            | 0.337             | 0.111             | 0.140              | 21.5                 | 0.281    | 0.116             |                    |
| ANT 3      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Left        | 1312    | 1712.4      | 22.3                 | 21.4                     | 0.839            | 1.032             | 0.459             | 0.565              | 21.5                 | 0.859    | 0.470             |                    |
| ANT 3      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Left        | 1413    | 1732.6      | 22.3                 | 21.3                     | 0.885            | 1.114             | 0.466             | 0.587              | 21.5                 | 0.927    | 0.488             |                    |
| ANT 3      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Left        | 1513    | 1752.6      | 22.3                 | 21.3                     | 0.839            | 1.056             | 0.454             | 0.572              | 21.5                 | 0.879    | 0.475             |                    |
| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Power State 1        |                          |                  |                   | Power State 2     |                    |                      | Plot No. |                   |                    |
|            |                          |         |               |            |                  |         |             | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | Rel. 99 | Mode A        | 0          | Left Cheek       | 1413    | 1732.6      | 19.8                 | 18.6                     | 0.593            | 0.782             | 0.297             | 0.392              | 19.0                 | 0.650    | 0.326             |                    |
| ANT 4      | Head                     | Rel. 99 | Mode A        | 0          | Left Tilt        | 1413    | 1732.6      | 19.8                 | 18.6                     | 0.359            | 0.473             | 0.187             | 0.247              | 19.0                 | 0.394    | 0.205             |                    |
| ANT 4      | Head                     | Rel. 99 | Mode A        | 0          | Right Cheek      | 1413    | 1732.6      | 19.8                 | 18.6                     | 0.255            | 0.336             | 0.153             | 0.202              | 19.0                 | 0.280    | 0.168             |                    |
| ANT 4      | Head                     | Rel. 99 | Mode A        | 0          | Right Tilt       | 1413    | 1732.6      | 19.8                 | 18.6                     | 0.180            | 0.237             | 0.110             | 0.145              | 19.0                 | 0.197    | 0.121             |                    |
| ANT 4      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 1413    | 1732.6      | 21.7                 | 20.3                     | 0.499            | 0.689             | 0.270             | 0.373              | 20.9                 | 0.573    | 0.310             |                    |
| ANT 4      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Front            | 1413    | 1732.6      | 21.7                 | 20.3                     | 0.462            | 0.638             | 0.247             | 0.341              | 20.9                 | 0.530    | 0.284             |                    |
| ANT 4      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Top         | 1413    | 1732.6      | 21.7                 | 20.3                     | 0.366            | 0.505             | 0.171             | 0.236              | 20.9                 | 0.420    | 0.196             |                    |
| ANT 4      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Right       | 1312    | 1712.4      | 21.7                 | 20.2                     | 0.741            | 1.047             | 0.370             | 0.523              | 20.9                 | 0.871    | 0.435             |                    |
| ANT 4      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Right       | 1413    | 1732.6      | 21.7                 | 20.3                     | 0.771            | 1.064             | 0.389             | 0.537              | 20.9                 | 0.885    | 0.447             |                    |
| ANT 4      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Right       | 1513    | 1752.6      | 21.7                 | 20.4                     | 0.740            | 0.998             | 0.367             | 0.495              | 20.9                 | 0.830    | 0.412             |                    |

### 10.5. W-CDMA Band V

|            |                          |         |               |            |                  |         |             | Power State 1        |                          |                  |                   |                   |                    | Power State 2        |                   |                    |          |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|----------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------|
| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 1      | Head                     | Rel. 99 | Mode A        | 0          | Left Cheek       | 4183    | 836.6       | 25.7                 | 25.2                     | 0.188            | 0.211             | 0.148             | 0.166              | 25.7                 | 0.211             | 0.166              |          |
| ANT 1      | Head                     | Rel. 99 | Mode A        | 0          | Left Tilt        | 4183    | 836.6       | 25.7                 | 25.2                     | 0.106            | 0.119             | 0.083             | 0.093              | 25.7                 | 0.119             | 0.093              |          |
| ANT 1      | Head                     | Rel. 99 | Mode A        | 0          | Right Cheek      | 4183    | 836.6       | 25.7                 | 25.2                     | 0.227            | 0.255             | 0.177             | 0.199              | 25.7                 | 0.255             | 0.199              |          |
| ANT 1      | Head                     | Rel. 99 | Mode A        | 0          | Right Tilt       | 4183    | 836.6       | 25.7                 | 25.2                     | 0.117            | 0.131             | 0.090             | 0.101              | 25.7                 | 0.131             | 0.101              |          |
| ANT 1      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 4183    | 836.6       | 25.7                 | 25.2                     | 0.604            | 0.678             | 0.328             | 0.368              | 25.7                 | 0.678             | 0.368              |          |
| ANT 1      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Front            | 4183    | 836.6       | 25.7                 | 25.2                     | 0.401            | 0.450             | 0.230             | 0.258              | 25.7                 | 0.450             | 0.258              |          |
| ANT 1      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Right       | 4183    | 836.6       | 25.7                 | 25.2                     | 0.594            | <b>0.666</b>      | 0.364             | 0.408              | 25.7                 | <b>0.666</b>      | 0.408              | 13       |
| ANT 1      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Bottom      | 4183    | 836.6       | 25.7                 | 25.2                     | 0.496            | 0.557             | 0.223             | 0.250              | 25.7                 | 0.557             | 0.250              |          |
| ANT 1      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Left        | 4183    | 836.6       | 25.7                 | 25.2                     | 0.245            | 0.275             | 0.161             | 0.181              | 25.7                 | 0.275             | 0.181              |          |
|            |                          |         |               |            |                  |         |             | Power State 1        |                          |                  |                   |                   |                    | Power State 2        |                   |                    |          |
| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Left Cheek       | 4183    | 836.6       | 23.5                 | 22.6                     | 0.447            | 0.550             | 0.256             | 0.315              | 22.7                 | 0.457             | 0.262              |          |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Left Tilt        | 4183    | 836.6       | 23.5                 | 22.6                     | 0.334            | 0.411             | 0.179             | 0.220              | 22.7                 | 0.342             | 0.183              |          |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Right Cheek      | 4183    | 836.6       | 23.5                 | 22.6                     | 0.598            | <b>0.736</b>      | 0.314             | 0.386              | 22.7                 | <b>0.612</b>      | 0.321              | 14       |
| ANT 2      | Head                     | Rel. 99 | Mode A        | 0          | Right Tilt       | 4183    | 836.6       | 23.5                 | 22.6                     | 0.360            | 0.443             | 0.187             | 0.230              | 22.7                 | 0.368             | 0.191              |          |
| ANT 2      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 4132    | 826.4       | 24.7                 | 24.0                     | 0.702            | <b>0.825</b>      | 0.407             | 0.478              | 24.7                 | <b>0.825</b>      | 0.478              | 15       |
| ANT 2      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 4183    | 836.6       | 24.7                 | 24.0                     | 0.696            | 0.818             | 0.403             | 0.473              | 24.7                 | 0.818             | 0.473              |          |
| ANT 2      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Back             | 4233    | 846.6       | 24.7                 | 24.0                     | 0.694            | 0.815             | 0.396             | 0.465              | 24.7                 | 0.815             | 0.465              |          |
| ANT 2      | Body & Hotspot           | Rel. 99 | Mode B        | 5          | Front            | 4183    | 836.6       | 24.7                 | 24.0                     | 0.642            | 0.754             | 0.354             | 0.416              | 24.7                 | 0.754             | 0.416              |          |
| ANT 2      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Top         | 4183    | 836.6       | 24.7                 | 24.0                     | 0.386            | 0.454             | 0.182             | 0.214              | 24.7                 | 0.454             | 0.214              |          |
| ANT 2      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Right       | 4183    | 836.6       | 24.7                 | 24.0                     | 0.229            | 0.269             | 0.152             | 0.179              | 24.7                 | 0.269             | 0.179              |          |
| ANT 2      | Hotspot                  | Rel. 99 | Mode B        | 5          | Edge Left        | 4183    | 836.6       | 24.7                 | 24.0                     | 0.108            | 0.127             | 0.058             | 0.068              | 24.7                 | 0.127             | 0.068              |          |

### 10.6. LTE Band 5 (10MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                          |                  |                   | Power State 2     |                    |                      | Plot No.     |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------|--------------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 20525   | 836.5       | 1             | 25        | 25.7                 | 25.1                     | 0.201            | 0.231             | 0.155             | 0.178              | 25.7                 | 0.231        | 0.178             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 20525   | 836.5       | 25            | 12        | 24.7                 | 24.3                     | 0.165            | 0.180             | 0.126             | 0.137              | 24.7                 | 0.180        | 0.137             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 20525   | 836.5       | 1             | 25        | 25.7                 | 25.1                     | 0.107            | 0.123             | 0.084             | 0.096              | 25.7                 | 0.123        | 0.096             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 20525   | 836.5       | 25            | 12        | 24.7                 | 24.3                     | 0.084            | 0.091             | 0.066             | 0.072              | 24.7                 | 0.091        | 0.072             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 20525   | 836.5       | 1             | 25        | 25.7                 | 25.1                     | 0.250            | 0.287             | 0.191             | 0.219              | 25.7                 | 0.287        | 0.219             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 20525   | 836.5       | 25            | 12        | 24.7                 | 24.3                     | 0.212            | 0.231             | 0.161             | 0.175              | 24.7                 | 0.231        | 0.175             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 20525   | 836.5       | 1             | 25        | 25.7                 | 25.1                     | 0.097            | 0.111             | 0.072             | 0.083              | 25.7                 | 0.111        | 0.083             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 20525   | 836.5       | 25            | 12        | 24.7                 | 24.3                     | 0.082            | 0.089             | 0.061             | 0.066              | 24.7                 | 0.089        | 0.066             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 20525   | 836.5       | 1             | 25        | 25.7                 | 25.1                     | 0.561            | 0.644             | 0.302             | 0.347              | 25.7                 | 0.644        | 0.347             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 20525   | 836.5       | 25            | 12        | 24.7                 | 24.3                     | 0.482            | 0.525             | 0.260             | 0.283              | 24.7                 | 0.525        | 0.283             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 20525   | 836.5       | 1             | 25        | 25.7                 | 25.1                     | 0.389            | 0.447             | 0.224             | 0.257              | 25.7                 | 0.447        | 0.257             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 20525   | 836.5       | 25            | 12        | 24.7                 | 24.3                     | 0.333            | 0.363             | 0.196             | 0.213              | 24.7                 | 0.363        | 0.213             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 20525   | 836.5       | 1             | 25        | 25.7                 | 25.1                     | 0.616            | <b>0.707</b>      | 0.307             | 0.352              | 25.7                 | <b>0.707</b> | 0.352             | 16                 |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 20525   | 836.5       | 25            | 12        | 24.7                 | 24.3                     | 0.516            | 0.562             | 0.342             | 0.372              | 24.7                 | 0.562        | 0.372             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 20525   | 836.5       | 1             | 25        | 25.7                 | 25.1                     | 0.491            | 0.564             | 0.222             | 0.255              | 25.7                 | 0.564        | 0.255             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 20525   | 836.5       | 25            | 12        | 24.7                 | 24.3                     | 0.418            | 0.455             | 0.189             | 0.206              | 24.7                 | 0.455        | 0.206             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 20525   | 836.5       | 1             | 25        | 25.7                 | 25.1                     | 0.242            | 0.278             | 0.160             | 0.184              | 25.7                 | 0.278        | 0.184             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 20525   | 836.5       | 25            | 12        | 24.7                 | 24.3                     | 0.205            | 0.223             | 0.135             | 0.147              | 24.7                 | 0.223        | 0.147             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                          |                  |                   |                   | Power State 2      |                      |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 20525   | 836.5       | 1             | 25        | 23.5                 | 22.9                     | 0.746            | 0.857             | 0.428             | 0.491              | 22.7                 | 0.712             | 0.409    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 20525   | 836.5       | 25            | 12        | 23.5                 | 22.9                     | 0.767            | 0.881             | 0.436             | 0.501              | 22.7                 | 0.732             | 0.416    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 20525   | 836.5       | 50            | 0         | 23.5                 | 23.0                     | 0.737            | 0.827             | 0.423             | 0.475              | 22.7                 | 0.688             | 0.395    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 20525   | 836.5       | 1             | 25        | 23.5                 | 22.9                     | 0.567            | 0.651             | 0.301             | 0.346              | 22.7                 | 0.541             | 0.287    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 20525   | 836.5       | 25            | 12        | 23.5                 | 22.9                     | 0.508            | 0.583             | 0.279             | 0.320              | 22.7                 | 0.485             | 0.266    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 20525   | 836.5       | 1             | 25        | 23.5                 | 22.9                     | 0.848            | <b>0.974</b>      | 0.462             | 0.530              | 22.7                 | <b>0.810</b>      | 0.441    | 17                 |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 20525   | 836.5       | 25            | 12        | 23.5                 | 22.9                     | 0.833            | 0.956             | 0.454             | 0.521              | 22.7                 | 0.796             | 0.434    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 20525   | 836.5       | 50            | 0         | 23.5                 | 23.0                     | 0.852            | 0.956             | 0.469             | 0.526              | 22.7                 | 0.795             | 0.438    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 20525   | 836.5       | 1             | 25        | 23.5                 | 22.9                     | 0.585            | 0.672             | 0.301             | 0.346              | 22.7                 | 0.559             | 0.287    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 20525   | 836.5       | 25            | 12        | 23.5                 | 22.9                     | 0.537            | 0.617             | 0.276             | 0.317              | 22.7                 | 0.513             | 0.264    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 20525   | 836.5       | 1             | 25        | 24.7                 | 23.9                     | 0.649            | <b>0.780</b>      | 0.374             | 0.450              | 24.7                 | <b>0.780</b>      | 0.450    | 18                 |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 20525   | 836.5       | 25            | 12        | 23.7                 | 23.5                     | 0.575            | 0.602             | 0.331             | 0.347              | 23.7                 | 0.602             | 0.347    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 20525   | 836.5       | 1             | 25        | 24.7                 | 23.9                     | 0.612            | 0.736             | 0.342             | 0.411              | 24.7                 | 0.736             | 0.411    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 20525   | 836.5       | 25            | 12        | 23.7                 | 23.5                     | 0.536            | 0.561             | 0.300             | 0.314              | 23.7                 | 0.561             | 0.314    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 20525   | 836.5       | 1             | 25        | 24.7                 | 23.9                     | 0.419            | 0.504             | 0.202             | 0.243              | 24.7                 | 0.504             | 0.243    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 20525   | 836.5       | 25            | 12        | 23.7                 | 23.5                     | 0.368            | 0.385             | 0.177             | 0.185              | 23.7                 | 0.385             | 0.185    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 20525   | 836.5       | 1             | 25        | 24.7                 | 23.9                     | 0.190            | 0.228             | 0.127             | 0.153              | 24.7                 | 0.228             | 0.153    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 20525   | 836.5       | 25            | 12        | 23.7                 | 23.5                     | 0.167            | 0.175             | 0.112             | 0.117              | 23.7                 | 0.175             | 0.117    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 20525   | 836.5       | 1             | 25        | 24.7                 | 23.9                     | 0.123            | 0.148             | 0.066             | 0.079              | 24.7                 | 0.148             | 0.079    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 20525   | 836.5       | 25            | 12        | 23.7                 | 23.5                     | 0.110            | 0.115             | 0.059             | 0.062              | 23.7                 | 0.115             | 0.062    |                    |

**UL CA 5B**

| Ant   | RF Exposure Conditions | Mode | Power Mode | Dist. (mm) | Test Position(s) | PCC UL |             |               |           | SCC UL |             |               |           | Power (dBm)          |       | Standalone           |                       |                       |                        | Power (dBm)          |                       |                        | Plot No. |
|-------|------------------------|------|------------|------------|------------------|--------|-------------|---------------|-----------|--------|-------------|---------------|-----------|----------------------|-------|----------------------|-----------------------|-----------------------|------------------------|----------------------|-----------------------|------------------------|----------|
|       |                        |      |            |            |                  | Ch #.  | Freq. (MHz) | RB Allocation | RB Offset | Ch #.  | Freq. (MHz) | RB Allocation | RB Offset | Maximum Output Power | Meas. | Meas. 1-g SAR (W/kg) | Scaled 1-g SAR (W/kg) | Meas. 10-g SAR (W/kg) | Scaled 10-g SAR (W/kg) | Maximum Output Power | Scaled 1-g SAR (W/kg) | Scaled 10-g SAR (W/kg) |          |
|       |                        |      |            |            |                  |        |             |               |           |        |             |               |           |                      |       |                      |                       |                       |                        |                      |                       |                        |          |
| ANT 1 | Head                   | QPSK | Mode A     | 0          | Right Cheek      | 20476  | 831.6       | 1             | 49        | 20575  | 841.5       | 1             | 0         | 25.7                 | 24.8  | 0.088                | 0.108                 | 0.068                 | 0.084                  | 25.7                 | 0.108                 | 0.084                  | -        |
|       | Body & Hotspot         | QPSK | Mode B     | 5          | Back             | 20476  | 831.6       | 1             | 49        | 20575  | 841.5       | 1             | 0         | 25.7                 | 24.8  | 0.251                | 0.309                 | 0.142                 | 0.175                  | 25.7                 | 0.309                 | 0.175                  | -        |
|       | Hotspot                | QPSK | Mode B     | 5          | Edge Right       | 20476  | 831.6       | 1             | 49        | 20575  | 841.5       | 1             | 0         | 25.7                 | 24.8  | 0.226                | 0.278                 | 0.150                 | 0.185                  | 25.7                 | 0.278                 | 0.185                  | -        |
| ANT 2 | Head                   | QPSK | Mode A     | 0          | Right Cheek      | 20476  | 831.6       | 1             | 49        | 20575  | 841.5       | 1             | 0         | 23.5                 | 22.1  | 0.683                | 0.943                 | 0.386                 | 0.533                  | 22.7                 | 0.784                 | 0.443                  | -        |
|       | Body & Hotspot         | QPSK | Mode B     | 5          | Back             | 20476  | 831.6       | 1             | 49        | 20575  | 841.5       | 1             | 0         | 24.7                 | 23.4  | 0.573                | 0.773                 | 0.326                 | 0.440                  | 24.7                 | 0.773                 | 0.440                  | -        |

**Note(s):**

PCC RB allocation setting for UL CA has been adjusted based on the worst-case power.

### 10.7. LTE Band 7 (20MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (m) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                          |                  |                   | Power State 2     |                    |                      | Plot No. |                   |                    |
|------------|--------------------------|---------|---------------|-----------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------|----------|-------------------|--------------------|
|            |                          |         |               |           |                  |         |             |               |           | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | QPSK    | Mode A        | 0         | Left Cheek       | 21100   | 2535.0      | 1             | 49        | 25.7                 | 25.0                     | 0.295            | 0.347             | 0.162             | 0.190              | 25.6                 | 0.339    | 0.186             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0         | Left Cheek       | 21100   | 2535.0      | 50            | 0         | 24.7                 | 24.4                     | 0.255            | 0.273             | 0.146             | 0.156              | 24.6                 | 0.267    | 0.153             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0         | Left Tilt        | 21100   | 2535.0      | 1             | 49        | 25.7                 | 25.0                     | 0.272            | 0.320             | 0.149             | 0.175              | 25.6                 | 0.312    | 0.171             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0         | Left Tilt        | 21100   | 2535.0      | 50            | 0         | 24.7                 | 24.4                     | 0.234            | 0.251             | 0.128             | 0.137              | 24.6                 | 0.245    | 0.134             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0         | Right Cheek      | 21100   | 2535.0      | 1             | 49        | 25.7                 | 25.0                     | 0.515            | 0.605             | 0.289             | 0.340              | 25.6                 | 0.591    | 0.332             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0         | Right Cheek      | 21100   | 2535.0      | 50            | 0         | 24.7                 | 24.4                     | 0.477            | 0.511             | 0.269             | 0.288              | 24.6                 | 0.499    | 0.282             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0         | Right Tilt       | 21100   | 2535.0      | 1             | 49        | 25.7                 | 25.0                     | 0.225            | 0.264             | 0.124             | 0.146              | 25.6                 | 0.258    | 0.142             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0         | Right Tilt       | 21100   | 2535.0      | 50            | 0         | 24.7                 | 24.4                     | 0.190            | 0.204             | 0.106             | 0.114              | 24.6                 | 0.199    | 0.111             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5         | Back             | 21100   | 2535.0      | 1             | 49        | 21.0                 | 19.4                     | 0.472            | 0.682             | 0.221             | 0.319              | 20.2                 | 0.567    | 0.266             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5         | Back             | 21100   | 2535.0      | 50            | 0         | 21.0                 | 19.5                     | 0.483            | 0.682             | 0.227             | 0.321              | 20.2                 | 0.567    | 0.267             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5         | Front            | 20850   | 2510.0      | 1             | 49        | 21.0                 | 19.5                     | 0.643            | 0.908             | 0.308             | 0.435              | 20.2                 | 0.755    | 0.362             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5         | Front            | 20850   | 2510.0      | 50            | 24        | 21.0                 | 19.5                     | 0.651            | 0.920             | 0.311             | 0.439              | 20.2                 | 0.765    | 0.365             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5         | Front            | 20850   | 2510.0      | 100           | 0         | 21.0                 | 19.6                     | 0.676            | 0.933             | 0.308             | 0.425              | 20.2                 | 0.776    | 0.354             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5         | Front            | 21100   | 2535.0      | 1             | 49        | 21.0                 | 19.4                     | 0.639            | 0.924             | 0.283             | 0.409              | 20.2                 | 0.768    | 0.340             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5         | Front            | 21100   | 2535.0      | 50            | 0         | 21.0                 | 19.5                     | 0.657            | 0.928             | 0.292             | 0.412              | 20.2                 | 0.772    | 0.343             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5         | Front            | 21350   | 2560.0      | 1             | 49        | 21.0                 | 19.4                     | 0.593            | 0.857             | 0.256             | 0.370              | 20.2                 | 0.713    | 0.308             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5         | Front            | 21350   | 2560.0      | 50            | 0         | 21.0                 | 19.5                     | 0.538            | 0.760             | 0.257             | 0.363              | 20.2                 | 0.632    | 0.302             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 20850   | 2510.0      | 1             | 49        | 21.0                 | 19.5                     | 0.586            | 0.828             | 0.285             | 0.374              | 20.2                 | 0.688    | 0.311             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 20850   | 2510.0      | 50            | 24        | 21.0                 | 19.5                     | 0.588            | 0.831             | 0.285             | 0.374              | 20.2                 | 0.691    | 0.311             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 20850   | 2510.0      | 100           | 0         | 21.0                 | 19.6                     | 0.596            | 0.823             | 0.269             | 0.371              | 20.2                 | 0.684    | 0.309             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 21100   | 2535.0      | 1             | 49        | 21.0                 | 19.4                     | 0.539            | 0.779             | 0.239             | 0.345              | 20.2                 | 0.648    | 0.287             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 21100   | 2535.0      | 50            | 0         | 21.0                 | 19.5                     | 0.546            | 0.771             | 0.244             | 0.345              | 20.2                 | 0.641    | 0.287             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 21350   | 2560.0      | 1             | 49        | 21.0                 | 19.4                     | 0.404            | 0.584             | 0.181             | 0.262              | 20.2                 | 0.486    | 0.218             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 21350   | 2560.0      | 50            | 0         | 21.0                 | 19.5                     | 0.407            | 0.575             | 0.182             | 0.257              | 20.2                 | 0.478    | 0.214             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Bottom      | 20850   | 2510.0      | 1             | 49        | 21.0                 | 19.5                     | 0.569            | 0.804             | 0.251             | 0.355              | 20.2                 | 0.669    | 0.295             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Bottom      | 20850   | 2510.0      | 50            | 24        | 21.0                 | 19.5                     | 0.566            | 0.799             | 0.250             | 0.353              | 20.2                 | 0.665    | 0.294             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Bottom      | 20850   | 2510.0      | 100           | 0         | 21.0                 | 19.6                     | 0.582            | 0.803             | 0.256             | 0.353              | 20.2                 | 0.668    | 0.294             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Bottom      | 21100   | 2535.0      | 1             | 49        | 21.0                 | 19.4                     | 0.561            | 0.811             | 0.245             | 0.354              | 20.2                 | 0.674    | 0.295             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Bottom      | 21100   | 2535.0      | 50            | 0         | 21.0                 | 19.5                     | 0.564            | 0.797             | 0.246             | 0.347              | 20.2                 | 0.663    | 0.289             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Bottom      | 21350   | 2560.0      | 1             | 49        | 21.0                 | 19.4                     | 0.423            | 0.611             | 0.184             | 0.266              | 20.2                 | 0.509    | 0.221             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Bottom      | 21350   | 2560.0      | 50            | 0         | 21.0                 | 19.5                     | 0.416            | 0.588             | 0.181             | 0.256              | 20.2                 | 0.489    | 0.213             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Left        | 21100   | 2535.0      | 1             | 49        | 21.0                 | 19.4                     | 0.020            | 0.029             | 0.009             | 0.013              | 20.2                 | 0.024    | 0.011             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Left        | 21100   | 2535.0      | 50            | 0         | 21.0                 | 19.5                     | 0.018            | 0.025             | 0.008             | 0.011              | 20.2                 | 0.021    | 0.009             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                          |                  |                   | Power State 2     |                    |                      | Plot No. |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------|----------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 20850   | 2510.0      | 1             | 49        | 17.8                 | 16.8                     | 0.940            | 1.183             | 0.347             | 0.437              | 17.0                 | 0.984    | 0.363             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 20850   | 2510.0      | 50            | 0         | 17.8                 | 16.7                     | 0.862            | 1.110             | 0.313             | 0.403              | 17.0                 | 0.924    | 0.335             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 21100   | 2535.0      | 1             | 0         | 17.8                 | 16.5                     | 0.836            | 1.128             | 0.309             | 0.417              | 17.0                 | 0.938    | 0.347             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 21100   | 2535.0      | 50            | 0         | 17.8                 | 16.5                     | 0.837            | 1.129             | 0.308             | 0.415              | 17.0                 | 0.939    | 0.346             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 21350   | 2560.0      | 1             | 49        | 17.8                 | 17.0                     | 0.947            | 1.139             | 0.352             | 0.423              | 17.0                 | 0.947    | 0.352             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 21350   | 2560.0      | 50            | 0         | 17.8                 | 17.0                     | 0.982            | 1.181             | 0.359             | 0.432              | 17.0                 | 0.982    | 0.359             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 21350   | 2560.0      | 100           | 0         | 17.8                 | 16.9                     | 0.955            | 1.175             | 0.352             | 0.433              | 17.0                 | 0.977    | 0.360             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 20850   | 2510.0      | 1             | 49        | 17.8                 | 16.8                     | 0.816            | 1.027             | 0.295             | 0.371              | 17.0                 | 0.854    | 0.309             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 20850   | 2510.0      | 50            | 0         | 17.8                 | 16.7                     | 0.826            | 1.064             | 0.298             | 0.384              | 17.0                 | 0.885    | 0.319             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 21100   | 2535.0      | 1             | 0         | 17.8                 | 16.5                     | 0.823            | 1.110             | 0.295             | 0.398              | 17.0                 | 0.923    | 0.331             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 21100   | 2535.0      | 50            | 0         | 17.8                 | 16.5                     | 0.853            | 1.151             | 0.305             | 0.411              | 17.0                 | 0.957    | 0.342             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 21350   | 2560.0      | 1             | 49        | 17.8                 | 17.0                     | 0.949            | 1.141             | 0.337             | 0.405              | 17.0                 | 0.949    | 0.337             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 21350   | 2560.0      | 50            | 0         | 17.8                 | 17.0                     | 0.933            | 1.122             | 0.332             | 0.399              | 17.0                 | 0.933    | 0.332             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 21350   | 2560.0      | 100           | 0         | 17.8                 | 16.9                     | 0.971            | 1.195             | 0.345             | 0.424              | 17.0                 | 0.994    | 0.353             | 19                 |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 20850   | 2510.0      | 1             | 49        | 17.8                 | 16.8                     | 0.704            | 0.886             | 0.704             | 0.886              | 17.0                 | 0.737    | 0.737             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 20850   | 2510.0      | 50            | 0         | 17.8                 | 16.7                     | 0.720            | 0.928             | 0.282             | 0.363              | 17.0                 | 0.771    | 0.302             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 21100   | 2535.0      | 1             | 0         | 17.8                 | 16.5                     | 0.791            | 1.067             | 0.331             | 0.447              | 17.0                 | 0.888    | 0.371             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 21100   | 2535.0      | 50            | 0         | 17.8                 | 16.5                     | 0.847            | 1.143             | 0.352             | 0.475              | 17.0                 | 0.950    | 0.395             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 21350   | 2560.0      | 1             | 49        | 17.8                 | 17.0                     | 0.892            | 1.072             | 0.377             | 0.453              | 17.0                 | 0.892    | 0.377             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 21350   | 2560.0      | 50            | 0         | 17.8                 | 17.0                     | 0.856            | 1.029             | 0.363             | 0.436              | 17.0                 | 0.856    | 0.363             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 21350   | 2560.0      | 100           | 0         | 17.8                 | 16.9                     | 0.902            | 1.110             | 0.380             | 0.468              | 17.0                 | 0.923    | 0.389             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 21100   | 2535.0      | 1             | 0         | 17.8                 | 16.5                     | 0.666            | 0.898             | 0.267             | 0.360              | 17.0                 | 0.747    | 0.300             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 21100   | 2535.0      | 50            | 0         | 17.8                 | 16.5                     | 0.693            | 0.935             | 0.279             | 0.376              | 17.0                 | 0.778    | 0.313             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                          |                  |                   |                   | Power State 2      |                      |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 20850   | 2510.0      | 1             | 49        | 18.9                 | 17.5                     | 0.733            | 1.012             | 0.301             | 0.415              | 18.1                 | 0.842             | 0.346    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 20850   | 2510.0      | 50            | 0         | 18.9                 | 17.6                     | 0.769            | 1.037             | 0.316             | 0.426              | 18.1                 | 0.863             | 0.355    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 20850   | 2510.0      | 100           | 0         | 18.9                 | 17.7                     | 0.753            | 0.993             | 0.309             | 0.407              | 18.1                 | 0.826             | 0.339    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 21100   | 2535.0      | 1             | 49        | 18.9                 | 17.3                     | 0.736            | <b>1.064</b>      | 0.291             | 0.421              | 18.1                 | <b>0.885</b>      | 0.350    | 20                 |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 21100   | 2535.0      | 50            | 0         | 18.9                 | 17.4                     | 0.720            | 1.017             | 0.277             | 0.391              | 18.1                 | 0.846             | 0.325    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 21350   | 2560.0      | 1             | 49        | 18.9                 | 17.7                     | 0.791            | 1.043             | 0.311             | 0.410              | 18.1                 | 0.867             | 0.341    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 21350   | 2560.0      | 50            | 0         | 18.9                 | 17.8                     | 0.790            | 1.018             | 0.312             | 0.402              | 18.1                 | 0.847             | 0.334    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 20850   | 2510.0      | 1             | 49        | 18.9                 | 17.5                     | 0.608            | 0.839             | 0.256             | 0.353              | 18.1                 | 0.698             | 0.294    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 20850   | 2510.0      | 50            | 0         | 18.9                 | 17.6                     | 0.616            | 0.831             | 0.259             | 0.349              | 18.1                 | 0.691             | 0.291    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 20850   | 2510.0      | 100           | 0         | 18.9                 | 17.7                     | 0.617            | 0.813             | 0.259             | 0.341              | 18.1                 | 0.677             | 0.284    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 21100   | 2535.0      | 1             | 49        | 18.9                 | 17.3                     | 0.577            | 0.834             | 0.243             | 0.351              | 18.1                 | 0.694             | 0.292    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 21100   | 2535.0      | 50            | 0         | 18.9                 | 17.4                     | 0.576            | 0.814             | 0.242             | 0.342              | 18.1                 | 0.677             | 0.284    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 21350   | 2560.0      | 1             | 49        | 18.9                 | 17.7                     | 0.735            | 0.969             | 0.302             | 0.398              | 18.1                 | 0.806             | 0.331    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 21350   | 2560.0      | 50            | 0         | 18.9                 | 17.8                     | 0.718            | 0.925             | 0.296             | 0.381              | 18.1                 | 0.769             | 0.317    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 20850   | 2510.0      | 1             | 49        | 18.9                 | 17.5                     | 0.583            | 0.805             | 0.212             | 0.293              | 18.1                 | 0.669             | 0.243    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 20850   | 2510.0      | 50            | 0         | 18.9                 | 17.6                     | 0.581            | 0.784             | 0.211             | 0.285              | 18.1                 | 0.652             | 0.237    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 20850   | 2510.0      | 100           | 0         | 18.9                 | 17.7                     | 0.601            | 0.792             | 0.218             | 0.287              | 18.1                 | 0.659             | 0.239    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 21100   | 2535.0      | 1             | 49        | 18.9                 | 17.3                     | 0.601            | 0.869             | 0.211             | 0.305              | 18.1                 | 0.723             | 0.254    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 21100   | 2535.0      | 50            | 0         | 18.9                 | 17.4                     | 0.607            | 0.857             | 0.213             | 0.301              | 18.1                 | 0.713             | 0.250    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 21350   | 2560.0      | 1             | 49        | 18.9                 | 17.7                     | 0.652            | 0.860             | 0.227             | 0.299              | 18.1                 | 0.715             | 0.249    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 21350   | 2560.0      | 50            | 0         | 18.9                 | 17.8                     | 0.648            | 0.835             | 0.226             | 0.291              | 18.1                 | 0.694             | 0.242    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 21100   | 2535.0      | 1             | 49        | 18.9                 | 17.3                     | 0.040            | 0.058             | 0.020             | 0.029              | 18.1                 | 0.048             | 0.024    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 21100   | 2535.0      | 50            | 0         | 18.9                 | 17.4                     | 0.041            | 0.058             | 0.020             | 0.028              | 18.1                 | 0.048             | 0.023    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 21100   | 2535.0      | 1             | 49        | 18.9                 | 17.3                     | 0.362            | 0.523             | 0.167             | 0.241              | 18.1                 | 0.435             | 0.201    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 21100   | 2535.0      | 50            | 0         | 18.9                 | 17.4                     | 0.375            | 0.530             | 0.173             | 0.244              | 18.1                 | 0.441             | 0.203    |                    |



| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                          |                  |                   | Power State 2     |                    |                      | Plot No. |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------|----------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 21100   | 2535.0      | 1             | 49        | 23.1                 | 23.0                     | 0.338            | 0.346             | 0.191             | 0.195              | 22.3                 | 0.288    | 0.163             |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 21100   | 2535.0      | 50            | 24        | 23.1                 | 22.9                     | 0.337            | 0.353             | 0.191             | 0.200              | 22.3                 | 0.294    | 0.166             |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 21100   | 2535.0      | 1             | 49        | 23.1                 | 23.0                     | 0.158            | 0.162             | 0.082             | 0.084              | 22.3                 | 0.134    | 0.070             |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 21100   | 2535.0      | 50            | 24        | 23.1                 | 22.9                     | 0.161            | 0.169             | 0.083             | 0.087              | 22.3                 | 0.140    | 0.072             |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 21100   | 2535.0      | 1             | 49        | 23.1                 | 23.0                     | 0.182            | 0.186             | 0.106             | 0.108              | 22.3                 | 0.155    | 0.090             |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 21100   | 2535.0      | 50            | 24        | 23.1                 | 22.9                     | 0.187            | 0.196             | 0.108             | 0.113              | 22.3                 | 0.163    | 0.094             |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 21100   | 2535.0      | 1             | 49        | 23.1                 | 23.0                     | 0.185            | 0.189             | 0.099             | 0.101              | 22.3                 | 0.157    | 0.084             |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 21100   | 2535.0      | 50            | 24        | 23.1                 | 22.9                     | 0.187            | 0.196             | 0.099             | 0.104              | 22.3                 | 0.163    | 0.086             |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 21100   | 2535.0      | 1             | 49        | 21.1                 | 20.2                     | 0.475            | 0.584             | 0.248             | 0.305              | 20.3                 | 0.486    | 0.254             |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 21100   | 2535.0      | 50            | 50        | 21.1                 | 20.4                     | 0.477            | 0.560             | 0.250             | 0.294              | 20.3                 | 0.466    | 0.244             |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 21100   | 2535.0      | 1             | 49        | 21.1                 | 20.2                     | 0.508            | 0.625             | 0.270             | 0.332              | 20.3                 | 0.520    | 0.276             |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 21100   | 2535.0      | 50            | 50        | 21.1                 | 20.4                     | 0.513            | 0.603             | 0.273             | 0.321              | 20.3                 | 0.501    | 0.267             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 21100   | 2535.0      | 1             | 49        | 21.1                 | 20.2                     | 0.192            | 0.236             | 0.097             | 0.119              | 20.3                 | 0.196    | 0.099             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 21100   | 2535.0      | 50            | 50        | 21.1                 | 20.4                     | 0.192            | 0.226             | 0.098             | 0.115              | 20.3                 | 0.188    | 0.096             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 20850   | 2510.0      | 1             | 0         | 21.1                 | 20.2                     | 0.903            | 1.111             | 0.424             | 0.522              | 20.3                 | 0.924    | 0.434             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 20850   | 2510.0      | 50            | 0         | 21.1                 | 20.3                     | 0.955            | 1.148             | 0.447             | 0.537              | 20.3                 | 0.955    | 0.447             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 21100   | 2535.0      | 1             | 49        | 21.1                 | 20.2                     | 0.787            | 0.968             | 0.361             | 0.444              | 20.3                 | 0.805    | 0.369             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 21100   | 2535.0      | 50            | 50        | 21.1                 | 20.4                     | 0.793            | 0.932             | 0.365             | 0.429              | 20.3                 | 0.775    | 0.357             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 21100   | 2535.0      | 100           | 0         | 21.1                 | 20.4                     | 0.819            | 0.962             | 0.377             | 0.443              | 20.3                 | 0.800    | 0.368             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 21350   | 2560.0      | 1             | 49        | 21.1                 | 20.2                     | 0.858            | 1.056             | 0.392             | 0.482              | 20.3                 | 0.878    | 0.401             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 21350   | 2560.0      | 50            | 0         | 21.1                 | 20.3                     | 0.821            | 0.987             | 0.375             | 0.451              | 20.3                 | 0.821    | 0.375             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                          |                  |                   |                   | Power State 2      |                      |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 20850   | 2510.0      | 1             | 49        | 21.5                 | 19.9                     | 0.740            | 1.070             | 0.373             | 0.539              | 20.7                 | 0.890             | 0.448    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 20850   | 2510.0      | 50            | 24        | 21.5                 | 20.0                     | 0.742            | 1.048             | 0.374             | 0.528              | 20.7                 | 0.872             | 0.439    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 20850   | 2510.0      | 100           | 0         | 21.5                 | 20.0                     | 0.749            | 1.058             | 0.378             | 0.534              | 20.7                 | 0.880             | 0.444    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 21100   | 2535.0      | 1             | 49        | 21.5                 | 19.7                     | 0.780            | 1.181             | 0.373             | 0.565              | 20.7                 | 0.982             | 0.470    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 21100   | 2535.0      | 50            | 24        | 21.5                 | 19.9                     | 0.787            | 1.138             | 0.375             | 0.542              | 20.7                 | 0.946             | 0.451    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 21350   | 2560.0      | 1             | 49        | 21.5                 | 20.1                     | 0.672            | 0.928             | 0.334             | 0.461              | 20.7                 | 0.772             | 0.383    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 21350   | 2560.0      | 50            | 24        | 21.5                 | 20.1                     | 0.668            | 0.922             | 0.332             | 0.458              | 20.7                 | 0.767             | 0.381    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 21100   | 2535.0      | 1             | 49        | 21.5                 | 19.7                     | 0.377            | 0.571             | 0.175             | 0.265              | 20.7                 | 0.475             | 0.220    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 21100   | 2535.0      | 50            | 24        | 21.5                 | 19.9                     | 0.378            | 0.546             | 0.175             | 0.253              | 20.7                 | 0.454             | 0.210    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 21100   | 2535.0      | 1             | 49        | 21.5                 | 19.7                     | 0.383            | 0.580             | 0.200             | 0.303              | 20.7                 | 0.482             | 0.252    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 21100   | 2535.0      | 50            | 24        | 21.5                 | 19.9                     | 0.380            | 0.549             | 0.200             | 0.289              | 20.7                 | 0.457             | 0.240    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 21100   | 2535.0      | 1             | 49        | 21.5                 | 19.7                     | 0.128            | 0.194             | 0.072             | 0.109              | 20.7                 | 0.161             | 0.091    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 21100   | 2535.0      | 50            | 24        | 21.5                 | 19.9                     | 0.127            | 0.184             | 0.072             | 0.104              | 20.7                 | 0.153             | 0.087    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 21100   | 2535.0      | 1             | 49        | 21.2                 | 20.0                     | 0.558            | 0.736             | 0.248             | 0.327              | 20.4                 | 0.612             | 0.272    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 21100   | 2535.0      | 50            | 24        | 21.2                 | 20.0                     | 0.559            | 0.737             | 0.248             | 0.327              | 20.4                 | 0.613             | 0.272    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 21100   | 2535.0      | 1             | 49        | 21.2                 | 20.0                     | 0.394            | 0.519             | 0.192             | 0.253              | 20.4                 | 0.432             | 0.211    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 21100   | 2535.0      | 50            | 24        | 21.2                 | 20.0                     | 0.392            | 0.517             | 0.191             | 0.252              | 20.4                 | 0.430             | 0.209    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 21100   | 2535.0      | 1             | 49        | 21.2                 | 20.0                     | 0.131            | 0.173             | 0.058             | 0.076              | 20.4                 | 0.144             | 0.064    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 21100   | 2535.0      | 50            | 24        | 21.2                 | 20.0                     | 0.128            | 0.169             | 0.056             | 0.074              | 20.4                 | 0.140             | 0.061    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 20850   | 2510.0      | 1             | 49        | 21.2                 | 20.0                     | 0.910            | 1.200             | 0.417             | 0.550              | 20.4                 | 0.998             | 0.457    | 21                 |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 20850   | 2510.0      | 50            | 24        | 21.2                 | 20.1                     | 0.904            | 1.165             | 0.414             | 0.533              | 20.4                 | 0.969             | 0.444    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 21100   | 2535.0      | 1             | 49        | 21.2                 | 20.0                     | 0.877            | 1.156             | 0.396             | 0.522              | 20.4                 | 0.962             | 0.434    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 21100   | 2535.0      | 50            | 24        | 21.2                 | 20.0                     | 0.876            | 1.155             | 0.359             | 0.473              | 20.4                 | 0.961             | 0.394    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 21350   | 2560.0      | 1             | 49        | 21.2                 | 20.1                     | 0.751            | 0.967             | 0.344             | 0.443              | 20.4                 | 0.805             | 0.369    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 21350   | 2560.0      | 50            | 24        | 21.2                 | 20.1                     | 0.742            | 0.956             | 0.340             | 0.438              | 20.4                 | 0.795             | 0.364    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 21350   | 2560.0      | 100           | 0         | 21.2                 | 20.2                     | 0.751            | 0.945             | 0.345             | 0.434              | 20.4                 | 0.786             | 0.361    |                    |

**UL CA 7C**

| Ant   | RF Exposure Conditions | Mode | Power Mode | Dist. (mm) | Test Position(s) | PCC UL |             |               |           | SCC UL |             |               |           | Power (dBm)          |       | Standalone           |                       |                       |                        | Power (dBm)          | Simultaneous          |                        | Pot No. |
|-------|------------------------|------|------------|------------|------------------|--------|-------------|---------------|-----------|--------|-------------|---------------|-----------|----------------------|-------|----------------------|-----------------------|-----------------------|------------------------|----------------------|-----------------------|------------------------|---------|
|       |                        |      |            |            |                  | Ch #.  | Freq. (MHz) | RB Allocation | RB Offset | Ch #.  | Freq. (MHz) | RB Allocation | RB Offset | Maximum Output Power | Meas. | Meas. 1-g SAR (W/kg) | Scaled 1-g SAR (W/kg) | Meas. 10-g SAR (W/kg) | Scaled 10-g SAR (W/kg) | Maximum Output Power | Scaled 1-g SAR (W/kg) | Scaled 10-g SAR (W/kg) |         |
|       |                        |      |            |            |                  |        |             |               |           |        |             |               |           |                      |       |                      |                       |                       |                        |                      |                       |                        |         |
| ANT 1 | Head                   | QPSK | Mode A     | 0          | Right Cheek      | 21001  | 2525.1      | 1             | 99        | 21199  | 2544.9      | 1             | 0         | 25.7                 | 24.7  | 0.373                | 0.470                 | 0.199                 | 0.251                  | 25.6                 | 0.459                 | 0.245                  | -       |
|       | Body & Hotspot         | QPSK | Mode B     | 5          | Front            | 20850  | 2510        | 1             | 99        | 21048  | 2529.8      | 1             | 0         | 21.0                 | 20.5  | 0.691                | 0.775                 | 0.309                 | 0.347                  | 20.2                 | 0.645                 | 0.288                  | -       |

**Note(s):**

PCC RB allocation setting for UL CA has been adjusted based on the worst-case power.

**10.8. LTE Band 12 (10MHz Bandwidth)**

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23095   | 707.5       | 1             | 25        | 25.7                       | 25.0                     | 0.120            | 0.141             | 0.096             | 0.113              | 25.7                       | 0.141             | 0.113    | -                  |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23095   | 707.5       | 25            | 12        | 24.7                       | 24.2                     | 0.099            | 0.111             | 0.080             | 0.090              | 24.7                       | 0.111             | 0.090    | -                  |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 23095   | 707.5       | 1             | 25        | 25.7                       | 25.0                     | 0.061            | 0.072             | 0.049             | 0.058              | 25.7                       | 0.072             | 0.058    | -                  |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 23095   | 707.5       | 25            | 12        | 24.7                       | 24.2                     | 0.052            | 0.058             | 0.042             | 0.047              | 24.7                       | 0.058             | 0.047    | -                  |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23095   | 707.5       | 1             | 25        | 25.7                       | 25.0                     | 0.153            | 0.180             | 0.121             | 0.142              | 25.7                       | 0.180             | 0.142    | -                  |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23095   | 707.5       | 25            | 12        | 24.7                       | 24.2                     | 0.129            | 0.145             | 0.102             | 0.114              | 24.7                       | 0.145             | 0.114    | -                  |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 23095   | 707.5       | 1             | 25        | 25.7                       | 25.0                     | 0.072            | 0.085             | 0.059             | 0.069              | 25.7                       | 0.085             | 0.069    | -                  |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 23095   | 707.5       | 25            | 12        | 24.7                       | 24.2                     | 0.060            | 0.067             | 0.049             | 0.055              | 24.7                       | 0.067             | 0.055    | -                  |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 23095   | 707.5       | 1             | 25        | 25.7                       | 25.0                     | 0.516            | <b>0.606</b>      | 0.298             | 0.350              | 25.7                       | <b>0.606</b>      | 0.350    | 22                 |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 23095   | 707.5       | 25            | 12        | 24.7                       | 24.2                     | 0.437            | 0.490             | 0.252             | 0.283              | 24.7                       | 0.490             | 0.283    | -                  |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 23095   | 707.5       | 1             | 25        | 25.7                       | 25.0                     | 0.349            | 0.410             | 0.201             | 0.236              | 25.7                       | 0.410             | 0.236    | -                  |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 23095   | 707.5       | 25            | 12        | 24.7                       | 24.2                     | 0.290            | 0.325             | 0.167             | 0.187              | 24.7                       | 0.325             | 0.187    | -                  |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 23095   | 707.5       | 1             | 25        | 25.7                       | 25.0                     | 0.681            | <b>0.800</b>      | 0.417             | 0.490              | 25.7                       | <b>0.800</b>      | 0.490    | 23                 |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 23095   | 707.5       | 25            | 12        | 24.7                       | 24.2                     | 0.580            | 0.651             | 0.356             | 0.399              | 24.7                       | 0.651             | 0.399    | -                  |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 23095   | 707.5       | 1             | 25        | 25.7                       | 25.0                     | 0.416            | 0.489             | 0.195             | 0.229              | 25.7                       | 0.489             | 0.229    | -                  |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 23095   | 707.5       | 25            | 12        | 24.7                       | 24.2                     | 0.354            | 0.397             | 0.166             | 0.186              | 24.7                       | 0.397             | 0.186    | -                  |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 23095   | 707.5       | 1             | 25        | 25.7                       | 25.0                     | 0.266            | 0.313             | 0.175             | 0.206              | 25.7                       | 0.313             | 0.206    | -                  |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 23095   | 707.5       | 25            | 12        | 24.7                       | 24.2                     | 0.225            | 0.252             | 0.148             | 0.166              | 24.7                       | 0.252             | 0.166    | -                  |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23095   | 707.5       | 1             | 25        | 24.7                       | 24.0                     | 0.892            | <b>1.048</b>      | 0.481             | 0.565              | 24.4                       | <b>0.978</b>      | 0.527    | 24                 |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23095   | 707.5       | 25            | 12        | 23.7                       | 23.3                     | 0.753            | 0.826             | 0.406             | 0.445              | 23.4                       | 0.771             | 0.415    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23095   | 707.5       | 50            | 0         | 23.7                       | 23.3                     | 0.756            | 0.829             | 0.409             | 0.448              | 23.4                       | 0.774             | 0.419    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 23095   | 707.5       | 1             | 25        | 24.7                       | 24.0                     | 0.673            | 0.791             | 0.348             | 0.409              | 24.4                       | 0.738             | 0.382    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 23095   | 707.5       | 25            | 12        | 23.7                       | 23.3                     | 0.553            | 0.606             | 0.286             | 0.314              | 23.4                       | 0.566             | 0.293    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 23095   | 707.5       | 50            | 0         | 23.7                       | 23.3                     | 0.555            | 0.609             | 0.289             | 0.317              | 23.4                       | 0.568             | 0.296    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23095   | 707.5       | 1             | 25        | 24.7                       | 24.0                     | 0.729            | 0.857             | 0.422             | 0.496              | 24.4                       | 0.799             | 0.463    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23095   | 707.5       | 25            | 12        | 23.7                       | 23.3                     | 0.676            | 0.741             | 0.395             | 0.433              | 23.4                       | 0.692             | 0.404    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23095   | 707.5       | 50            | 0         | 23.7                       | 23.3                     | 0.653            | 0.716             | 0.382             | 0.419              | 23.4                       | 0.668             | 0.391    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 23095   | 707.5       | 1             | 25        | 24.7                       | 24.0                     | 0.556            | 0.653             | 0.298             | 0.350              | 24.4                       | 0.610             | 0.327    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 23095   | 707.5       | 25            | 12        | 23.7                       | 23.3                     | 0.513            | 0.562             | 0.293             | 0.321              | 23.4                       | 0.525             | 0.300    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 23095   | 707.5       | 1             | 25        | 24.7                       | 24.0                     | 0.454            | 0.533             | 0.252             | 0.296              | 24.7                       | 0.533             | 0.296    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 23095   | 707.5       | 25            | 12        | 23.7                       | 23.3                     | 0.386            | 0.423             | 0.214             | 0.235              | 23.7                       | 0.423             | 0.235    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 23095   | 707.5       | 1             | 25        | 24.7                       | 24.0                     | 0.364            | 0.428             | 0.205             | 0.241              | 24.7                       | 0.428             | 0.241    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 23095   | 707.5       | 25            | 12        | 23.7                       | 23.3                     | 0.319            | 0.350             | 0.178             | 0.195              | 23.7                       | 0.350             | 0.195    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 23095   | 707.5       | 1             | 25        | 24.7                       | 24.0                     | 0.252            | 0.296             | 0.116             | 0.136              | 24.7                       | 0.296             | 0.136    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 23095   | 707.5       | 25            | 12        | 23.7                       | 23.3                     | 0.213            | 0.234             | 0.098             | 0.107              | 23.7                       | 0.234             | 0.107    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 23095   | 707.5       | 1             | 25        | 24.7                       | 24.0                     | 0.122            | 0.143             | 0.083             | 0.098              | 24.7                       | 0.143             | 0.098    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 23095   | 707.5       | 25            | 12        | 23.7                       | 23.3                     | 0.121            | 0.133             | 0.082             | 0.090              | 23.7                       | 0.133             | 0.090    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 23095   | 707.5       | 1             | 25        | 24.7                       | 24.0                     | 0.168            | 0.197             | 0.087             | 0.102              | 24.7                       | 0.197             | 0.102    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 23095   | 707.5       | 25            | 12        | 23.7                       | 23.3                     | 0.150            | 0.164             | 0.101             | 0.111              | 23.7                       | 0.164             | 0.111    |                    |

### 10.9. LTE Band 13 (10MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No.     |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|--------------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23230   | 782.0       | 1             | 25        | 25.7                       | 25.2                     | 0.153            | 0.172             | 0.122             | 0.137              | 25.7                       | 0.172        | 0.137             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23230   | 782.0       | 25            | 12        | 24.7                       | 24.6                     | 0.128            | 0.131             | 0.102             | 0.104              | 24.7                       | 0.131        | 0.104             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 23230   | 782.0       | 1             | 25        | 25.7                       | 25.2                     | 0.101            | 0.113             | 0.081             | 0.091              | 25.7                       | 0.113        | 0.091             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 23230   | 782.0       | 25            | 12        | 24.7                       | 24.6                     | 0.084            | 0.086             | 0.067             | 0.069              | 24.7                       | 0.086        | 0.069             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23230   | 782.0       | 1             | 25        | 25.7                       | 25.2                     | 0.212            | 0.238             | 0.166             | 0.186              | 25.7                       | 0.238        | 0.186             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23230   | 782.0       | 25            | 12        | 24.7                       | 24.6                     | 0.168            | 0.172             | 0.133             | 0.136              | 24.7                       | 0.172        | 0.136             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 23230   | 782.0       | 1             | 25        | 25.7                       | 25.2                     | 0.115            | 0.129             | 0.093             | 0.104              | 25.7                       | 0.129        | 0.104             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 23230   | 782.0       | 25            | 12        | 24.7                       | 24.6                     | 0.098            | 0.100             | 0.079             | 0.081              | 24.7                       | 0.100        | 0.081             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 23230   | 782.0       | 1             | 25        | 25.7                       | 25.2                     | 0.512            | 0.574             | 0.294             | 0.330              | 25.7                       | 0.574        | 0.330             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 23230   | 782.0       | 25            | 12        | 24.7                       | 24.6                     | 0.428            | 0.438             | 0.246             | 0.252              | 24.7                       | 0.438        | 0.252             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 23230   | 782.0       | 1             | 25        | 25.7                       | 25.2                     | 0.371            | 0.416             | 0.217             | 0.243              | 25.7                       | 0.416        | 0.243             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 23230   | 782.0       | 25            | 12        | 24.7                       | 24.6                     | 0.313            | 0.320             | 0.183             | 0.187              | 24.7                       | 0.320        | 0.187             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 23230   | 782.0       | 1             | 25        | 25.7                       | 25.2                     | 0.799            | <b>0.896</b>      | 0.525             | 0.589              | 25.7                       | <b>0.896</b> | 0.589             | 25                 |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 23230   | 782.0       | 25            | 12        | 24.7                       | 24.6                     | 0.685            | 0.701             | 0.451             | 0.462              | 24.7                       | 0.701        | 0.462             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 23230   | 782.0       | 1             | 25        | 25.7                       | 25.2                     | 0.431            | 0.484             | 0.196             | 0.220              | 25.7                       | 0.484        | 0.220             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 23230   | 782.0       | 25            | 12        | 24.7                       | 24.6                     | 0.372            | 0.381             | 0.169             | 0.173              | 24.7                       | 0.381        | 0.173             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 23230   | 782.0       | 1             | 25        | 25.7                       | 25.2                     | 0.298            | 0.334             | 0.195             | 0.219              | 25.7                       | 0.334        | 0.219             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 23230   | 782.0       | 25            | 12        | 24.7                       | 24.6                     | 0.245            | 0.251             | 0.160             | 0.164              | 24.7                       | 0.251        | 0.164             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23230   | 782.0       | 1             | 25        | 23.7                       | 23.2                     | 0.856            | 0.960             | 0.485             | 0.544              | 22.9                       | 0.856             | 0.485    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23230   | 782.0       | 25            | 12        | 23.7                       | 23.2                     | 0.853            | 0.957             | 0.484             | 0.543              | 22.9                       | 0.853             | 0.484    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23230   | 782.0       | 50            | 0         | 23.7                       | 23.3                     | 0.897            | 0.984             | 0.512             | 0.561              | 22.9                       | 0.877             | 0.500    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 23230   | 782.0       | 1             | 25        | 23.7                       | 23.2                     | 0.642            | 0.720             | 0.356             | 0.399              | 22.9                       | 0.642             | 0.356    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 23230   | 782.0       | 25            | 12        | 23.7                       | 23.2                     | 0.643            | 0.721             | 0.351             | 0.394              | 22.9                       | 0.643             | 0.351    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23230   | 782.0       | 1             | 25        | 23.7                       | 23.2                     | 0.957            | <b>1.074</b>      | 0.527             | 0.591              | 22.9                       | <b>0.957</b>      | 0.527    | 26                 |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23230   | 782.0       | 25            | 12        | 23.7                       | 23.2                     | 0.945            | 1.060             | 0.522             | 0.586              | 22.9                       | 0.945             | 0.522    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23230   | 782.0       | 50            | 0         | 23.7                       | 23.3                     | 0.963            | 1.056             | 0.532             | 0.583              | 22.9                       | 0.941             | 0.520    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 23230   | 782.0       | 1             | 25        | 23.7                       | 23.2                     | 0.615            | 0.690             | 0.330             | 0.370              | 22.9                       | 0.615             | 0.330    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 23230   | 782.0       | 25            | 12        | 23.7                       | 23.2                     | 0.617            | 0.692             | 0.329             | 0.369              | 22.9                       | 0.617             | 0.329    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 23230   | 782.0       | 1             | 25        | 24.7                       | 23.7                     | 0.729            | <b>0.918</b>      | 0.403             | 0.507              | 24.7                       | <b>0.918</b>      | 0.507    | 27                 |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 23230   | 782.0       | 25            | 12        | 23.7                       | 23.1                     | 0.624            | 0.716             | 0.345             | 0.396              | 23.7                       | 0.716             | 0.396    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 23230   | 782.0       | 1             | 25        | 24.7                       | 23.7                     | 0.593            | 0.747             | 0.330             | 0.415              | 24.7                       | 0.747             | 0.415    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 23230   | 782.0       | 25            | 12        | 23.7                       | 23.1                     | 0.504            | 0.579             | 0.281             | 0.323              | 23.7                       | 0.579             | 0.323    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 23230   | 782.0       | 1             | 25        | 24.7                       | 23.7                     | 0.425            | 0.535             | 0.196             | 0.247              | 24.7                       | 0.535             | 0.247    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 23230   | 782.0       | 25            | 12        | 23.7                       | 23.1                     | 0.355            | 0.408             | 0.164             | 0.188              | 23.7                       | 0.408             | 0.188    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 23230   | 782.0       | 1             | 25        | 24.7                       | 23.7                     | 0.256            | 0.322             | 0.173             | 0.218              | 24.7                       | 0.322             | 0.218    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 23230   | 782.0       | 25            | 12        | 23.7                       | 23.1                     | 0.223            | 0.256             | 0.148             | 0.170              | 23.7                       | 0.256             | 0.170    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 23230   | 782.0       | 1             | 25        | 24.7                       | 23.7                     | 0.140            | 0.176             | 0.093             | 0.117              | 24.7                       | 0.176             | 0.117    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 23230   | 782.0       | 25            | 12        | 23.7                       | 23.1                     | 0.126            | 0.145             | 0.084             | 0.096              | 23.7                       | 0.145             | 0.096    |                    |

### 10.10. LTE Band 14 (10MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No.     |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|--------------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23330   | 793.0       | 1             | 25        | 25.7                       | 25.3                     | 0.207            | 0.227             | 0.163             | 0.179              | 25.7                       | 0.227        | 0.179             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23330   | 793.0       | 25            | 12        | 24.7                       | 24.6                     | 0.179            | 0.183             | 0.140             | 0.143              | 24.7                       | 0.183        | 0.143             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 23330   | 793.0       | 1             | 25        | 25.7                       | 25.3                     | 0.131            | 0.144             | 0.104             | 0.114              | 25.7                       | 0.144        | 0.114             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 23330   | 793.0       | 25            | 12        | 24.7                       | 24.6                     | 0.110            | 0.113             | 0.087             | 0.089              | 24.7                       | 0.113        | 0.089             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23330   | 793.0       | 1             | 25        | 25.7                       | 25.3                     | 0.209            | 0.229             | 0.163             | 0.179              | 25.7                       | 0.229        | 0.179             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23330   | 793.0       | 25            | 12        | 24.7                       | 24.6                     | 0.178            | 0.182             | 0.139             | 0.142              | 24.7                       | 0.182        | 0.142             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 23330   | 793.0       | 1             | 25        | 25.7                       | 25.3                     | 0.156            | 0.171             | 0.124             | 0.136              | 25.7                       | 0.171        | 0.136             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 23330   | 793.0       | 25            | 12        | 24.7                       | 24.6                     | 0.094            | 0.096             | 0.076             | 0.078              | 24.7                       | 0.096        | 0.078             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 23330   | 793.0       | 1             | 25        | 25.7                       | 24.7                     | 0.556            | 0.700             | 0.319             | 0.402              | 25.7                       | 0.700        | 0.402             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 23330   | 793.0       | 25            | 12        | 24.7                       | 24.2                     | 0.469            | 0.526             | 0.268             | 0.301              | 24.7                       | 0.526        | 0.301             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 23330   | 793.0       | 1             | 25        | 25.7                       | 24.7                     | 0.376            | 0.473             | 0.228             | 0.287              | 25.7                       | 0.473        | 0.287             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 23330   | 793.0       | 25            | 12        | 24.7                       | 24.2                     | 0.319            | 0.358             | 0.194             | 0.218              | 24.7                       | 0.358        | 0.218             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 23330   | 793.0       | 1             | 25        | 25.7                       | 24.7                     | 0.700            | <b>0.881</b>      | 0.425             | 0.535              | 25.7                       | <b>0.881</b> | 0.535             | 28                 |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 23330   | 793.0       | 25            | 12        | 24.7                       | 24.2                     | 0.592            | 0.664             | 0.361             | 0.405              | 24.7                       | 0.664        | 0.405             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 23330   | 793.0       | 1             | 25        | 25.7                       | 24.7                     | 0.419            | 0.527             | 0.192             | 0.242              | 25.7                       | 0.527        | 0.242             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 23330   | 793.0       | 25            | 12        | 24.7                       | 24.2                     | 0.361            | 0.405             | 0.165             | 0.185              | 24.7                       | 0.405        | 0.185             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 23330   | 793.0       | 1             | 25        | 25.7                       | 24.7                     | 0.338            | 0.426             | 0.221             | 0.278              | 25.7                       | 0.426        | 0.278             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 23330   | 793.0       | 25            | 12        | 24.7                       | 24.2                     | 0.299            | 0.335             | 0.196             | 0.220              | 24.7                       | 0.335        | 0.220             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23330   | 793.0       | 1             | 0         | 23.7                       | 22.8                     | 0.855            | 1.052             | 0.492             | 0.605              | 22.9                       | 0.875             | 0.503    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23330   | 793.0       | 25            | 0         | 23.7                       | 23.0                     | 0.908            | 1.067             | 0.526             | 0.618              | 22.9                       | 0.887             | 0.514    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 23330   | 793.0       | 50            | 0         | 23.7                       | 23.1                     | 0.931            | 1.069             | 0.537             | 0.617              | 22.9                       | 0.889             | 0.513    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 23330   | 793.0       | 1             | 0         | 23.7                       | 22.8                     | 0.634            | 0.780             | 0.342             | 0.421              | 22.9                       | 0.649             | 0.350    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 23330   | 793.0       | 25            | 0         | 23.7                       | 23.0                     | 0.673            | 0.791             | 0.365             | 0.429              | 22.9                       | 0.658             | 0.357    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23330   | 793.0       | 1             | 0         | 23.7                       | 22.8                     | 0.949            | 1.168             | 0.524             | 0.645              | 22.9                       | 0.971             | 0.536    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23330   | 793.0       | 25            | 0         | 23.7                       | 23.0                     | 1.000            | <b>1.175</b>      | 0.554             | 0.651              | 22.9                       | <b>0.977</b>      | 0.541    | 29                 |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 23330   | 793.0       | 50            | 0         | 23.7                       | 23.1                     | 1.020            | 1.171             | 0.563             | 0.646              | 22.9                       | 0.974             | 0.538    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 23330   | 793.0       | 1             | 0         | 23.7                       | 22.8                     | 0.597            | 0.734             | 0.319             | 0.392              | 22.9                       | 0.611             | 0.326    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 23330   | 793.0       | 25            | 0         | 23.7                       | 23.0                     | 0.633            | 0.744             | 0.337             | 0.396              | 22.9                       | 0.619             | 0.329    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 23330   | 793.0       | 1             | 25        | 24.7                       | 23.8                     | 0.723            | <b>0.889</b>      | 0.401             | 0.493              | 24.7                       | <b>0.889</b>      | 0.493    | 30                 |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 23330   | 793.0       | 25            | 12        | 23.7                       | 23.1                     | 0.600            | 0.689             | 0.332             | 0.381              | 23.7                       | 0.689             | 0.381    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 23330   | 793.0       | 1             | 25        | 24.7                       | 23.8                     | 0.580            | 0.714             | 0.325             | 0.400              | 24.7                       | 0.714             | 0.400    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 23330   | 793.0       | 25            | 12        | 23.7                       | 23.1                     | 0.530            | 0.609             | 0.293             | 0.336              | 23.7                       | 0.609             | 0.336    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 23330   | 793.0       | 1             | 25        | 24.7                       | 23.8                     | 0.244            | 0.300             | 0.111             | 0.137              | 24.7                       | 0.300             | 0.137    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 23330   | 793.0       | 25            | 12        | 23.7                       | 23.1                     | 0.307            | 0.352             | 0.140             | 0.161              | 23.7                       | 0.352             | 0.161    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 23330   | 793.0       | 1             | 25        | 24.7                       | 23.8                     | 0.278            | 0.342             | 0.185             | 0.228              | 24.7                       | 0.342             | 0.228    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 23330   | 793.0       | 25            | 12        | 23.7                       | 23.1                     | 0.240            | 0.276             | 0.159             | 0.183              | 23.7                       | 0.276             | 0.183    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 23330   | 793.0       | 1             | 25        | 24.7                       | 23.8                     | 0.153            | 0.188             | 0.081             | 0.100              | 24.7                       | 0.188             | 0.100    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 23330   | 793.0       | 25            | 12        | 23.7                       | 23.1                     | 0.125            | 0.144             | 0.082             | 0.094              | 23.7                       | 0.144             | 0.094    |                    |



### 10.11. LTE Band 25 (20MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No. |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|----------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26365   | 1882.5      | 1             | 49        | 25.7                       | 25.0                     | 0.106            | 0.125             | 0.069             | 0.081              | 25.1                       | 0.108    | 0.071             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26365   | 1882.5      | 50            | 0         | 24.7                       | 24.3                     | 0.107            | 0.117             | 0.072             | 0.079              | 24.7                       | 0.117    | 0.079             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26365   | 1882.5      | 1             | 49        | 25.7                       | 25.0                     | 0.094            | 0.110             | 0.059             | 0.069              | 25.1                       | 0.096    | 0.060             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26365   | 1882.5      | 50            | 0         | 24.7                       | 24.3                     | 0.092            | 0.101             | 0.057             | 0.062              | 24.7                       | 0.101    | 0.062             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26365   | 1882.5      | 1             | 49        | 25.7                       | 25.0                     | 0.228            | 0.268             | 0.147             | 0.173              | 25.1                       | 0.233    | 0.150             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26365   | 1882.5      | 50            | 0         | 24.7                       | 24.3                     | 0.196            | 0.215             | 0.126             | 0.138              | 24.7                       | 0.215    | 0.138             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26365   | 1882.5      | 1             | 49        | 25.7                       | 25.0                     | 0.120            | 0.141             | 0.074             | 0.087              | 25.1                       | 0.123    | 0.076             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26365   | 1882.5      | 50            | 0         | 24.7                       | 24.3                     | 0.100            | 0.110             | 0.062             | 0.068              | 24.7                       | 0.110    | 0.068             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26365   | 1882.5      | 1             | 49        | 19.7                       | 18.4                     | 0.391            | 0.527             | 0.207             | 0.279              | 18.9                       | 0.439    | 0.232             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26365   | 1882.5      | 50            | 0         | 19.7                       | 18.4                     | 0.420            | 0.567             | 0.223             | 0.301              | 18.9                       | 0.471    | 0.250             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26365   | 1882.5      | 1             | 49        | 19.7                       | 18.4                     | 0.273            | 0.368             | 0.145             | 0.196              | 18.9                       | 0.306    | 0.163             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26365   | 1882.5      | 50            | 0         | 19.7                       | 18.4                     | 0.294            | 0.397             | 0.154             | 0.208              | 18.9                       | 0.330    | 0.173             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26365   | 1882.5      | 1             | 49        | 19.7                       | 18.4                     | 0.265            | 0.357             | 0.124             | 0.167              | 18.9                       | 0.297    | 0.139             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26365   | 1882.5      | 50            | 0         | 19.7                       | 18.4                     | 0.283            | 0.382             | 0.133             | 0.179              | 18.9                       | 0.318    | 0.149             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 26140   | 1860.0      | 1             | 49        | 19.7                       | 18.4                     | 0.826            | 1.114             | 0.389             | 0.525              | 18.9                       | 0.927    | 0.436             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 26140   | 1860.0      | 50            | 0         | 19.7                       | 18.4                     | 0.837            | 1.129             | 0.394             | 0.531              | 18.9                       | 0.939    | 0.442             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 26140   | 1860.0      | 100           | 0         | 19.7                       | 18.4                     | 0.875            | 1.180             | 0.409             | 0.552              | 18.9                       | 0.982    | 0.459             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 26365   | 1882.5      | 1             | 49        | 19.7                       | 18.4                     | 0.722            | 0.974             | 0.341             | 0.460              | 18.9                       | 0.810    | 0.383             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 26365   | 1882.5      | 50            | 0         | 19.7                       | 18.4                     | 0.757            | 1.021             | 0.355             | 0.479              | 18.9                       | 0.849    | 0.398             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 26590   | 1905.0      | 1             | 0         | 19.7                       | 18.4                     | 0.666            | 0.898             | 0.314             | 0.424              | 18.9                       | 0.747    | 0.352             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 26590   | 1905.0      | 50            | 0         | 19.7                       | 18.4                     | 0.679            | 0.916             | 0.319             | 0.430              | 18.9                       | 0.762    | 0.358             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26365   | 1882.5      | 1             | 49        | 19.7                       | 18.4                     | 0.019            | 0.026             | 0.010             | 0.013              | 18.9                       | 0.021    | 0.011             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26365   | 1882.5      | 50            | 0         | 19.7                       | 18.4                     | 0.021            | 0.028             | 0.012             | 0.016              | 18.9                       | 0.024    | 0.013             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26365   | 1882.5      | 1             | 49        | 21.0                       | 19.9                     | 0.454            | 0.585             | 0.251             | 0.323              | 20.2                       | 0.486             | 0.269    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26365   | 1882.5      | 50            | 0         | 21.0                       | 19.9                     | 0.398            | 0.513             | 0.224             | 0.289              | 20.2                       | 0.436             | 0.246    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26365   | 1882.5      | 1             | 49        | 21.0                       | 19.9                     | 0.241            | 0.310             | 0.128             | 0.165              | 20.2                       | 0.258             | 0.137    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26365   | 1882.5      | 50            | 0         | 21.0                       | 19.9                     | 0.246            | 0.317             | 0.130             | 0.167              | 20.2                       | 0.264             | 0.139    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26140   | 1860.0      | 1             | 49        | 21.0                       | 19.9                     | 0.675            | 0.870             | 0.381             | 0.491              | 20.2                       | 0.723             | 0.408    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26140   | 1860.0      | 50            | 0         | 21.0                       | 19.9                     | 0.671            | 0.864             | 0.378             | 0.487              | 20.2                       | 0.719             | 0.405    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26140   | 1860.0      | 100           | 0         | 21.0                       | 20.0                     | 0.560            | 0.705             | 0.313             | 0.394              | 20.2                       | 0.586             | 0.328    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26365   | 1882.5      | 1             | 49        | 21.0                       | 19.9                     | 0.675            | 0.870             | 0.376             | 0.484              | 20.2                       | 0.723             | 0.403    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26365   | 1882.5      | 50            | 0         | 21.0                       | 19.9                     | 0.696            | 0.897             | 0.388             | 0.500              | 20.2                       | 0.746             | 0.416    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26590   | 1905.0      | 1             | 49        | 21.0                       | 19.7                     | 0.658            | 0.888             | 0.375             | 0.506              | 20.2                       | 0.738             | 0.421    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26590   | 1905.0      | 50            | 0         | 21.0                       | 19.8                     | 0.680            | 0.896             | 0.386             | 0.509              | 20.2                       | 0.746             | 0.423    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26140   | 1860.0      | 1             | 49        | 21.0                       | 19.9                     | 0.694            | 0.894             | 0.321             | 0.414              | 20.2                       | 0.744             | 0.344    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26140   | 1860.0      | 50            | 0         | 21.0                       | 19.9                     | 0.701            | 0.903             | 0.326             | 0.420              | 20.2                       | 0.751             | 0.349    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26140   | 1860.0      | 100           | 0         | 21.0                       | 20.0                     | 0.703            | 0.885             | 0.324             | 0.408              | 20.2                       | 0.736             | 0.339    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26365   | 1882.5      | 1             | 49        | 21.0                       | 19.9                     | 0.616            | 0.794             | 0.291             | 0.375              | 20.2                       | 0.660             | 0.312    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26365   | 1882.5      | 50            | 0         | 21.0                       | 19.9                     | 0.617            | 0.795             | 0.292             | 0.376              | 20.2                       | 0.661             | 0.313    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26590   | 1905.0      | 1             | 49        | 21.0                       | 19.7                     | 0.674            | 0.909             | 0.313             | 0.422              | 20.2                       | 0.756             | 0.351    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26590   | 1905.0      | 50            | 0         | 21.0                       | 19.8                     | 0.695            | 0.916             | 0.322             | 0.424              | 20.2                       | 0.762             | 0.353    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   |                    | Power State 2              |                   |                    | Plot No. |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|--------------------|----------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26140   | 1860.0      | 1             | 49        | 21.3                       | 20.3                     | 0.813            | 1.024             | 0.392             | 0.493              | 20.5                       | 0.851             | 0.410              |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26140   | 1860.0      | 50            | 0         | 21.3                       | 20.3                     | 0.800            | 1.007             | 0.382             | 0.481              | 20.5                       | 0.838             | 0.400              |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26140   | 1860.0      | 100           | 0         | 21.3                       | 20.4                     | 0.808            | 0.994             | 0.388             | 0.477              | 20.5                       | 0.827             | 0.397              |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26365   | 1882.5      | 1             | 49        | 21.3                       | 20.3                     | 0.824            | 1.037             | 0.393             | 0.495              | 20.5                       | 0.863             | 0.412              |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26365   | 1882.5      | 50            | 0         | 21.3                       | 20.3                     | 0.818            | 1.030             | 0.388             | 0.488              | 20.5                       | 0.857             | 0.406              |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26590   | 1905.0      | 1             | 49        | 21.3                       | 20.2                     | 0.845            | 1.089             | 0.402             | 0.518              | 20.5                       | 0.905             | 0.431              |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26590   | 1905.0      | 50            | 0         | 21.3                       | 20.2                     | 0.847            | <b>1.091</b>      | 0.401             | 0.517              | 20.5                       | <b>0.908</b>      | 0.430              | 31       |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26365   | 1882.5      | 1             | 49        | 21.3                       | 20.3                     | 0.511            | 0.643             | 0.251             | 0.316              | 20.5                       | 0.535             | 0.263              |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26365   | 1882.5      | 50            | 0         | 21.3                       | 20.3                     | 0.531            | 0.668             | 0.262             | 0.330              | 20.5                       | 0.556             | 0.274              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 26365   | 1882.5      | 1             | 49        | 21.3                       | 20.3                     | 0.606            | 0.763             | 0.279             | 0.351              | 20.5                       | 0.635             | 0.292              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 26365   | 1882.5      | 50            | 0         | 21.3                       | 20.3                     | 0.633            | 0.797             | 0.292             | 0.368              | 20.5                       | 0.663             | 0.306              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26365   | 1882.5      | 1             | 49        | 21.3                       | 20.3                     | 0.017            | 0.021             | 0.009             | 0.011              | 20.5                       | 0.018             | 0.009              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26365   | 1882.5      | 50            | 0         | 21.3                       | 20.3                     | 0.014            | 0.018             | 0.008             | 0.010              | 20.5                       | 0.015             | 0.008              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26140   | 1860.0      | 1             | 49        | 21.3                       | 20.3                     | 0.679            | 0.855             | 0.331             | 0.417              | 20.5                       | 0.711             | 0.347              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26140   | 1860.0      | 50            | 0         | 21.3                       | 20.3                     | 0.680            | 0.856             | 0.331             | 0.417              | 20.5                       | 0.712             | 0.347              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26365   | 1882.5      | 1             | 49        | 21.3                       | 20.3                     | 0.884            | 1.113             | 0.427             | 0.538              | 20.5                       | 0.926             | 0.447              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26365   | 1882.5      | 50            | 0         | 21.3                       | 20.3                     | 0.796            | 1.002             | 0.379             | 0.477              | 20.5                       | 0.834             | 0.397              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26365   | 1882.5      | 100           | 0         | 21.3                       | 20.3                     | 0.914            | 1.151             | 0.433             | 0.545              | 20.5                       | 0.957             | 0.453              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26590   | 1905.0      | 1             | 49        | 21.3                       | 20.2                     | 0.727            | 0.937             | 0.354             | 0.456              | 20.5                       | 0.779             | 0.379              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26590   | 1905.0      | 50            | 0         | 21.3                       | 20.2                     | 0.742            | 0.956             | 0.361             | 0.465              | 20.5                       | 0.795             | 0.387              |          |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26365   | 1882.5      | 1             | 49        | 24.5                       | 24.1                     | 0.613            | 0.672             | 0.383             | 0.420              | 23.7                       | 0.559             | 0.349    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26365   | 1882.5      | 50            | 0         | 24.2                       | 24.0                     | 0.596            | 0.624             | 0.373             | 0.391              | 23.4                       | 0.519             | 0.325    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26365   | 1882.5      | 1             | 49        | 24.5                       | 24.1                     | 0.294            | 0.322             | 0.189             | 0.207              | 23.7                       | 0.268             | 0.172    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26365   | 1882.5      | 50            | 0         | 24.2                       | 24.0                     | 0.291            | 0.305             | 0.191             | 0.200              | 23.4                       | 0.253             | 0.166    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26365   | 1882.5      | 1             | 49        | 24.5                       | 24.1                     | 0.348            | 0.382             | 0.235             | 0.258              | 23.7                       | 0.317             | 0.214    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26365   | 1882.5      | 50            | 0         | 24.2                       | 24.0                     | 0.338            | 0.354             | 0.231             | 0.242              | 23.4                       | 0.294             | 0.201    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26365   | 1882.5      | 1             | 49        | 24.5                       | 24.1                     | 0.237            | 0.260             | 0.151             | 0.166              | 23.7                       | 0.216             | 0.138    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26365   | 1882.5      | 50            | 0         | 24.2                       | 24.0                     | 0.235            | 0.246             | 0.150             | 0.157              | 23.4                       | 0.205             | 0.131    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26140   | 1860.0      | 1             | 0         | 21.8                       | 20.9                     | 0.733            | 0.902             | 0.405             | 0.498              | 21.0                       | 0.750             | 0.414    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26140   | 1860.0      | 50            | 0         | 21.8                       | 21.0                     | 0.740            | 0.890             | 0.411             | 0.494              | 21.0                       | 0.740             | 0.411    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26140   | 1860.0      | 100           | 0         | 21.8                       | 21.0                     | 0.769            | 0.925             | 0.420             | 0.505              | 21.0                       | 0.769             | 0.420    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26365   | 1882.5      | 1             | 49        | 21.8                       | 21.1                     | 0.745            | 0.875             | 0.405             | 0.476              | 21.0                       | 0.728             | 0.396    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26365   | 1882.5      | 50            | 0         | 21.8                       | 21.0                     | 0.756            | 0.909             | 0.409             | 0.492              | 21.0                       | 0.756             | 0.409    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26590   | 1905.0      | 1             | 0         | 21.8                       | 21.0                     | 0.772            | 0.928             | 0.428             | 0.515              | 21.0                       | 0.772             | 0.428    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26590   | 1905.0      | 50            | 0         | 21.8                       | 20.9                     | 0.745            | 0.917             | 0.399             | 0.491              | 21.0                       | 0.762             | 0.408    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26140   | 1860.0      | 1             | 0         | 21.8                       | 20.9                     | 0.765            | 0.941             | 0.400             | 0.492              | 21.0                       | 0.783             | 0.409    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26140   | 1860.0      | 50            | 0         | 21.8                       | 21.0                     | 0.785            | 0.944             | 0.409             | 0.492              | 21.0                       | 0.785             | 0.409    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26140   | 1860.0      | 100           | 0         | 21.8                       | 21.0                     | 0.806            | 0.969             | 0.420             | 0.505              | 21.0                       | 0.806             | 0.420    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26365   | 1882.5      | 1             | 49        | 21.8                       | 21.1                     | 0.727            | 0.854             | 0.381             | 0.448              | 21.0                       | 0.710             | 0.372    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26365   | 1882.5      | 50            | 0         | 21.8                       | 21.0                     | 0.715            | 0.860             | 0.374             | 0.450              | 21.0                       | 0.715             | 0.374    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26590   | 1905.0      | 1             | 0         | 21.8                       | 21.0                     | 0.791            | 0.951             | 0.408             | 0.491              | 21.0                       | 0.791             | 0.408    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26590   | 1905.0      | 50            | 0         | 21.8                       | 20.9                     | 0.814            | 1.001             | 0.424             | 0.522              | 21.0                       | 0.833             | 0.434    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 26365   | 1882.5      | 1             | 49        | 21.8                       | 21.1                     | 0.300            | 0.352             | 0.152             | 0.179              | 21.0                       | 0.293             | 0.149    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 26365   | 1882.5      | 50            | 0         | 21.8                       | 21.0                     | 0.286            | 0.344             | 0.148             | 0.178              | 21.0                       | 0.286             | 0.148    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26140   | 1860.0      | 1             | 0         | 21.8                       | 20.9                     | 0.737            | 0.907             | 0.392             | 0.482              | 21.0                       | 0.754             | 0.401    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26140   | 1860.0      | 50            | 0         | 21.8                       | 21.0                     | 0.725            | 0.872             | 0.364             | 0.438              | 21.0                       | 0.725             | 0.364    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26140   | 1860.0      | 100           | 0         | 21.8                       | 21.0                     | 0.997            | <b>1.199</b>      | 0.504             | 0.606              | 21.0                       | <b>0.997</b>      | 0.504    | 32                 |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26365   | 1882.5      | 1             | 49        | 21.8                       | 21.1                     | 0.863            | 1.014             | 0.424             | 0.498              | 21.0                       | 0.843             | 0.414    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26365   | 1882.5      | 50            | 0         | 21.8                       | 21.0                     | 0.867            | 1.042             | 0.427             | 0.513              | 21.0                       | 0.867             | 0.427    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26365   | 1882.5      | 100           | 0         | 21.8                       | 21.0                     | 0.859            | 1.033             | 0.424             | 0.510              | 21.0                       | 0.859             | 0.424    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26590   | 1905.0      | 1             | 0         | 21.8                       | 21.0                     | 0.787            | 0.946             | 0.383             | 0.460              | 21.0                       | 0.787             | 0.383    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26590   | 1905.0      | 50            | 0         | 21.8                       | 20.9                     | 0.840            | 1.033             | 0.408             | 0.502              | 21.0                       | 0.860             | 0.418    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26140   | 1860.0      | 1             | 0         | 19.8                       | 19.0                     | 0.723            | 0.869             | 0.344             | 0.414              | 19.0                       | 0.723             | 0.344    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26140   | 1860.0      | 50            | 0         | 19.8                       | 19.1                     | 0.776            | 0.912             | 0.369             | 0.434              | 19.0                       | 0.758             | 0.361    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26365   | 1882.5      | 1             | 49        | 19.8                       | 19.1                     | 0.773            | 0.908             | 0.364             | 0.428              | 19.0                       | 0.755             | 0.356    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26365   | 1882.5      | 50            | 50        | 19.8                       | 19.2                     | 0.808            | 0.928             | 0.381             | 0.437              | 19.0                       | 0.772             | 0.364    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26365   | 1882.5      | 100           | 0         | 19.8                       | 19.2                     | 1.030            | <b>1.183</b>      | 0.479             | 0.550              | 19.0                       | <b>0.984</b>      | 0.457    | 33                 |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26590   | 1905.0      | 1             | 49        | 19.8                       | 19.1                     | 0.941            | 1.106             | 0.438             | 0.515              | 19.0                       | 0.920             | 0.428    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26590   | 1905.0      | 50            | 24        | 19.8                       | 19.2                     | 0.861            | 0.989             | 0.388             | 0.445              | 19.0                       | 0.822             | 0.371    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26365   | 1882.5      | 1             | 49        | 19.8                       | 19.1                     | 0.286            | 0.336             | 0.151             | 0.177              | 19.0                       | 0.279             | 0.148    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26365   | 1882.5      | 50            | 50        | 19.8                       | 19.2                     | 0.296            | 0.340             | 0.157             | 0.180              | 19.0                       | 0.283             | 0.150    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26365   | 1882.5      | 1             | 49        | 19.8                       | 19.1                     | 0.219            | 0.257             | 0.124             | 0.146              | 19.0                       | 0.214             | 0.121    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26365   | 1882.5      | 50            | 50        | 19.8                       | 19.2                     | 0.230            | 0.264             | 0.130             | 0.149              | 19.0                       | 0.220             | 0.124    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26365   | 1882.5      | 1             | 49        | 19.8                       | 19.1                     | 0.148            | 0.174             | 0.087             | 0.102              | 19.0                       | 0.145             | 0.085    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26365   | 1882.5      | 50            | 50        | 19.8                       | 19.2                     | 0.154            | 0.177             | 0.090             | 0.103              | 19.0                       | 0.147             | 0.086    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26365   | 1882.5      | 1             | 49        | 21.7                       | 20.4                     | 0.361            | 0.487             | 0.184             | 0.248              | 20.9                       | 0.405             | 0.206    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26365   | 1882.5      | 50            | 50        | 21.7                       | 20.5                     | 0.375            | 0.494             | 0.190             | 0.250              | 20.9                       | 0.411             | 0.208    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26365   | 1882.5      | 1             | 49        | 21.7                       | 20.4                     | 0.291            | 0.393             | 0.146             | 0.197              | 20.9                       | 0.327             | 0.164    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26365   | 1882.5      | 50            | 50        | 21.7                       | 20.5                     | 0.304            | 0.401             | 0.153             | 0.202              | 20.9                       | 0.333             | 0.168    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 26365   | 1882.5      | 1             | 49        | 21.7                       | 20.4                     | 0.165            | 0.223             | 0.078             | 0.105              | 20.9                       | 0.185             | 0.088    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 26365   | 1882.5      | 50            | 50        | 21.7                       | 20.5                     | 0.164            | 0.216             | 0.078             | 0.103              | 20.9                       | 0.180             | 0.086    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26140   | 1860.0      | 1             | 49        | 21.7                       | 20.2                     | 0.560            | 0.791             | 0.272             | 0.384              | 20.9                       | 0.658             | 0.320    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26140   | 1860.0      | 50            | 0         | 21.7                       | 20.4                     | 0.552            | 0.745             | 0.269             | 0.363              | 20.9                       | 0.619             | 0.302    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26365   | 1882.5      | 1             | 49        | 21.7                       | 20.4                     | 0.615            | 0.830             | 0.296             | 0.399              | 20.9                       | 0.690             | 0.332    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26365   | 1882.5      | 50            | 50        | 21.7                       | 20.5                     | 0.630            | 0.831             | 0.304             | 0.401              | 20.9                       | 0.691             | 0.333    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26365   | 1882.5      | 100           | 0         | 21.7                       | 20.5                     | 0.688            | 0.907             | 0.336             | 0.443              | 20.9                       | 0.754             | 0.368    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26590   | 1905.0      | 1             | 49        | 21.7                       | 20.4                     | 0.678            | 0.915             | 0.325             | 0.438              | 20.9                       | 0.761             | 0.365    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26590   | 1905.0      | 50            | 24        | 21.7                       | 20.4                     | 0.676            | 0.912             | 0.324             | 0.437              | 20.9                       | 0.758             | 0.364    |                    |

### 10.12. LTE Band 26 (10MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No.     |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|--------------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26865   | 831.5       | 1             | 25        | 25.7                       | 25.1                     | 0.180            | 0.207             | 0.140             | 0.161              | 25.7                       | 0.211        | 0.164             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26865   | 831.5       | 25            | 12        | 24.7                       | 24.4                     | 0.150            | 0.161             | 0.117             | 0.125              | 24.7                       | 0.176        | 0.137             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26865   | 831.5       | 1             | 25        | 25.7                       | 25.1                     | 0.097            | 0.111             | 0.077             | 0.088              | 25.7                       | 0.114        | 0.090             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26865   | 831.5       | 25            | 12        | 24.7                       | 24.4                     | 0.082            | 0.088             | 0.066             | 0.071              | 24.7                       | 0.096        | 0.078             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26865   | 831.5       | 1             | 25        | 25.7                       | 25.1                     | 0.279            | 0.320             | 0.216             | 0.248              | 25.7                       | 0.328        | 0.254             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26865   | 831.5       | 25            | 12        | 24.7                       | 24.4                     | 0.249            | 0.267             | 0.197             | 0.211              | 24.7                       | 0.293        | 0.231             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26865   | 831.5       | 1             | 25        | 25.7                       | 25.1                     | 0.125            | 0.144             | 0.094             | 0.108              | 25.7                       | 0.147        | 0.110             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26865   | 831.5       | 25            | 12        | 24.7                       | 24.4                     | 0.114            | 0.122             | 0.088             | 0.094              | 24.7                       | 0.134        | 0.103             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26865   | 831.5       | 1             | 25        | 25.7                       | 25.1                     | 0.619            | 0.711             | 0.334             | 0.383              | 25.7                       | 0.727        | 0.392             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26865   | 831.5       | 25            | 12        | 24.7                       | 24.4                     | 0.544            | 0.583             | 0.298             | 0.319              | 24.7                       | 0.639        | 0.350             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26865   | 831.5       | 1             | 25        | 25.7                       | 25.1                     | 0.405            | 0.465             | 0.229             | 0.263              | 25.7                       | 0.476        | 0.269             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26865   | 831.5       | 25            | 12        | 24.7                       | 24.4                     | 0.370            | 0.396             | 0.212             | 0.227              | 24.7                       | 0.435        | 0.249             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26865   | 831.5       | 1             | 25        | 25.7                       | 25.1                     | 0.633            | <b>0.727</b>      | 0.421             | 0.483              | 25.7                       | <b>0.744</b> | 0.495             | 34                 |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26865   | 831.5       | 25            | 12        | 24.7                       | 24.4                     | 0.547            | 0.586             | 0.363             | 0.389              | 24.7                       | 0.643        | 0.426             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 26865   | 831.5       | 1             | 25        | 25.7                       | 25.1                     | 0.480            | 0.551             | 0.216             | 0.248              | 25.7                       | 0.564        | 0.254             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 26865   | 831.5       | 25            | 12        | 24.7                       | 24.4                     | 0.409            | 0.438             | 0.183             | 0.196              | 24.7                       | 0.481        | 0.215             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26865   | 831.5       | 1             | 25        | 25.7                       | 25.1                     | 0.287            | 0.330             | 0.189             | 0.217              | 25.7                       | 0.337        | 0.222             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26865   | 831.5       | 25            | 12        | 24.7                       | 24.4                     | 0.250            | 0.268             | 0.164             | 0.176              | 24.7                       | 0.294        | 0.193             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26740   | 819.0       | 1             | 49        | 23.5                       | 22.9                     | 0.991            | 1.138             | 0.560             | 0.643              | 22.7                       | 0.946             | 0.535    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26740   | 819.0       | 25            | 0         | 23.5                       | 22.9                     | 0.912            | 1.047             | 0.537             | 0.617              | 22.7                       | 0.871             | 0.513    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26740   | 819.0       | 50            | 0         | 23.5                       | 22.9                     | 0.960            | 1.102             | 0.548             | 0.629              | 22.7                       | 0.917             | 0.523    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26865   | 831.5       | 1             | 25        | 23.5                       | 22.8                     | 1.000            | 1.175             | 0.562             | 0.660              | 22.7                       | 0.977             | 0.549    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26865   | 831.5       | 25            | 0         | 23.5                       | 22.8                     | 0.882            | 1.036             | 0.513             | 0.603              | 22.7                       | 0.862             | 0.501    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26990   | 844.0       | 1             | 0         | 23.5                       | 22.8                     | 1.000            | <b>1.175</b>      | 0.565             | 0.664              | 22.7                       | <b>0.977</b>      | 0.552    | 35                 |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 26990   | 844.0       | 25            | 0         | 23.5                       | 22.7                     | 0.890            | 1.070             | 0.517             | 0.622              | 22.7                       | 0.890             | 0.517    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26740   | 819.0       | 1             | 49        | 23.5                       | 22.9                     | 0.708            | 0.813             | 0.374             | 0.429              | 22.7                       | 0.676             | 0.357    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26740   | 819.0       | 25            | 0         | 23.5                       | 22.9                     | 0.687            | 0.789             | 0.365             | 0.419              | 22.7                       | 0.656             | 0.349    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26740   | 819.0       | 50            | 0         | 23.5                       | 22.9                     | 0.652            | 0.749             | 0.354             | 0.406              | 22.7                       | 0.623             | 0.338    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26865   | 831.5       | 1             | 25        | 23.5                       | 22.8                     | 0.703            | 0.826             | 0.370             | 0.435              | 22.7                       | 0.687             | 0.362    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26865   | 831.5       | 25            | 0         | 23.5                       | 22.8                     | 0.700            | 0.822             | 0.372             | 0.437              | 22.7                       | 0.684             | 0.364    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26990   | 844.0       | 1             | 0         | 23.5                       | 22.8                     | 0.730            | 0.858             | 0.388             | 0.456              | 22.7                       | 0.713             | 0.379    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 26990   | 844.0       | 25            | 0         | 23.5                       | 22.7                     | 0.707            | 0.850             | 0.379             | 0.456              | 22.7                       | 0.707             | 0.379    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26740   | 819.0       | 1             | 49        | 23.5                       | 22.9                     | 0.902            | 1.036             | 0.532             | 0.611              | 22.7                       | 0.861             | 0.508    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26740   | 819.0       | 25            | 0         | 23.5                       | 22.9                     | 0.838            | 0.962             | 0.498             | 0.572              | 22.7                       | 0.800             | 0.476    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26740   | 819.0       | 50            | 0         | 23.5                       | 22.9                     | 0.908            | 1.043             | 0.531             | 0.610              | 22.7                       | 0.867             | 0.507    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26865   | 831.5       | 1             | 25        | 23.5                       | 22.8                     | 0.912            | 1.072             | 0.538             | 0.632              | 22.7                       | 0.891             | 0.526    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26865   | 831.5       | 25            | 0         | 23.5                       | 22.8                     | 0.889            | 1.044             | 0.525             | 0.617              | 22.7                       | 0.869             | 0.513    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26990   | 844.0       | 1             | 0         | 23.5                       | 22.8                     | 0.873            | 1.026             | 0.505             | 0.593              | 22.7                       | 0.853             | 0.494    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 26990   | 844.0       | 25            | 0         | 23.5                       | 22.7                     | 0.903            | 1.086             | 0.531             | 0.638              | 22.7                       | 0.903             | 0.531    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26865   | 831.5       | 1             | 25        | 23.5                       | 22.8                     | 0.587            | 0.690             | 0.311             | 0.365              | 22.7                       | 0.574             | 0.304    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 26865   | 831.5       | 25            | 0         | 23.5                       | 22.8                     | 0.581            | 0.683             | 0.310             | 0.364              | 22.7                       | 0.568             | 0.303    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   |                    | Power State 2              |                   |                    | Plot No. |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|--------------------|----------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26740   | 819.0       | 1             | 49        | 24.7                       | 23.7                     | 0.605            | 0.762             | 0.348             | 0.438              | 24.7                       | 0.762             | 0.438              |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26740   | 819.0       | 25            | 0         | 23.7                       | 23.2                     | 0.468            | 0.525             | 0.270             | 0.303              | 23.7                       | 0.550             | 0.317              |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26740   | 819.0       | 50            | 0         | 23.7                       | 23.2                     | 0.506            | 0.568             | 0.303             | 0.340              | 23.7                       | 0.568             | 0.340              |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26865   | 831.5       | 1             | 25        | 24.7                       | 23.7                     | 0.723            | <b>0.910</b>      | 0.412             | 0.519              | 24.7                       | <b>0.910</b>      | 0.519              | 36       |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26865   | 831.5       | 25            | 0         | 23.7                       | 23.1                     | 0.616            | 0.707             | 0.351             | 0.403              | 23.7                       | 0.707             | 0.403              |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26990   | 844.0       | 1             | 0         | 24.7                       | 23.5                     | 0.682            | 0.899             | 0.392             | 0.517              | 24.7                       | 0.899             | 0.517              |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 26990   | 844.0       | 25            | 0         | 23.7                       | 23.0                     | 0.591            | 0.694             | 0.339             | 0.398              | 23.7                       | 0.694             | 0.398              |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26865   | 831.5       | 1             | 25        | 24.7                       | 23.7                     | 0.578            | 0.728             | 0.335             | 0.422              | 24.7                       | 0.728             | 0.422              |          |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 26865   | 831.5       | 25            | 0         | 23.7                       | 23.1                     | 0.491            | 0.564             | 0.285             | 0.327              | 23.7                       | 0.564             | 0.327              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 26865   | 831.5       | 1             | 25        | 24.7                       | 23.7                     | 0.416            | 0.524             | 0.202             | 0.254              | 24.7                       | 0.524             | 0.254              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 26865   | 831.5       | 25            | 0         | 23.7                       | 23.1                     | 0.373            | 0.428             | 0.184             | 0.211              | 23.7                       | 0.428             | 0.211              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26865   | 831.5       | 1             | 25        | 24.7                       | 23.7                     | 0.262            | 0.330             | 0.174             | 0.219              | 24.7                       | 0.330             | 0.219              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 26865   | 831.5       | 25            | 0         | 23.7                       | 23.1                     | 0.211            | 0.242             | 0.140             | 0.161              | 23.7                       | 0.242             | 0.161              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26865   | 831.5       | 1             | 25        | 24.7                       | 23.7                     | 0.137            | 0.172             | 0.091             | 0.115              | 24.7                       | 0.172             | 0.115              |          |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 26865   | 831.5       | 25            | 0         | 23.7                       | 23.1                     | 0.128            | 0.147             | 0.064             | 0.073              | 23.7                       | 0.147             | 0.073              |          |



### 10.13. LTE Band 30 (10MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No. |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|----------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 27710   | 2310.0      | 1             | 0         | 25.7                       | 25.2                     | 0.337            | 0.378             | 0.193             | 0.217              | 25.7                       | 0.378    | 0.217             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 27710   | 2310.0      | 25            | 0         | 24.7                       | 24.5                     | 0.300            | 0.314             | 0.172             | 0.180              | 24.7                       | 0.314    | 0.180             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 27710   | 2310.0      | 1             | 0         | 25.7                       | 25.2                     | 0.323            | 0.362             | 0.169             | 0.190              | 25.7                       | 0.362    | 0.190             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 27710   | 2310.0      | 25            | 0         | 24.7                       | 24.5                     | 0.294            | 0.308             | 0.153             | 0.160              | 24.7                       | 0.308    | 0.160             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 27710   | 2310.0      | 1             | 0         | 25.7                       | 25.2                     | 0.517            | 0.580             | 0.291             | 0.327              | 25.7                       | 0.580    | 0.327             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 27710   | 2310.0      | 25            | 0         | 24.7                       | 24.5                     | 0.447            | 0.468             | 0.252             | 0.264              | 24.7                       | 0.468    | 0.264             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 27710   | 2310.0      | 1             | 0         | 25.7                       | 25.2                     | 0.212            | 0.238             | 0.118             | 0.132              | 25.7                       | 0.238    | 0.132             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 27710   | 2310.0      | 25            | 0         | 24.7                       | 24.5                     | 0.189            | 0.198             | 0.106             | 0.111              | 24.7                       | 0.198    | 0.111             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 27710   | 2310.0      | 1             | 0         | 22.9                       | 21.8                     | 0.860            | 1.108             | 0.439             | 0.566              | 22.1                       | 0.922    | 0.470             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 27710   | 2310.0      | 25            | 12        | 22.9                       | 21.9                     | 0.850            | 1.070             | 0.430             | 0.541              | 22.1                       | 0.890    | 0.450             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 27710   | 2310.0      | 50            | 0         | 22.9                       | 22.0                     | 0.971            | 1.195             | 0.481             | 0.592              | 22.1                       | 0.994    | 0.482             | 37                 |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 27710   | 2310.0      | 1             | 0         | 22.9                       | 21.8                     | 0.673            | 0.867             | 0.316             | 0.407              | 22.1                       | 0.721    | 0.339             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 27710   | 2310.0      | 25            | 12        | 22.9                       | 21.9                     | 0.646            | 0.813             | 0.301             | 0.379              | 22.1                       | 0.676    | 0.315             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 27710   | 2310.0      | 50            | 0         | 22.9                       | 22.0                     | 0.608            | 0.748             | 0.312             | 0.384              | 22.1                       | 0.622    | 0.319             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 27710   | 2310.0      | 1             | 0         | 22.9                       | 21.8                     | 0.858            | 1.105             | 0.394             | 0.508              | 22.1                       | 0.919    | 0.422             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 27710   | 2310.0      | 25            | 12        | 22.9                       | 21.9                     | 0.839            | 1.056             | 0.385             | 0.485              | 22.1                       | 0.879    | 0.403             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 27710   | 2310.0      | 50            | 0         | 22.9                       | 22.0                     | 0.913            | 1.123             | 0.407             | 0.501              | 22.1                       | 0.934    | 0.416             | 38                 |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 27710   | 2310.0      | 1             | 0         | 22.9                       | 21.8                     | 0.376            | 0.484             | 0.172             | 0.222              | 22.1                       | 0.403    | 0.184             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 27710   | 2310.0      | 25            | 12        | 22.9                       | 21.9                     | 0.366            | 0.461             | 0.168             | 0.211              | 22.1                       | 0.383    | 0.176             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 27710   | 2310.0      | 1             | 0         | 22.9                       | 21.8                     | 0.053            | 0.068             | 0.027             | 0.035              | 22.1                       | 0.057    | 0.029             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 27710   | 2310.0      | 25            | 12        | 22.9                       | 21.9                     | 0.058            | 0.073             | 0.030             | 0.038              | 22.1                       | 0.061    | 0.031             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 27710   | 2310.0      | 1             | 0         | 20.4                       | 18.7                     | 0.340            | 0.503             | 0.141             | 0.209              | 19.6                       | 0.418             | 0.173    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 27710   | 2310.0      | 25            | 0         | 20.4                       | 18.7                     | 0.334            | 0.494             | 0.136             | 0.201              | 19.6                       | 0.411             | 0.167    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 27710   | 2310.0      | 1             | 0         | 20.4                       | 18.7                     | 0.312            | 0.461             | 0.123             | 0.182              | 19.6                       | 0.384             | 0.151    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 27710   | 2310.0      | 25            | 0         | 20.4                       | 18.7                     | 0.333            | 0.493             | 0.131             | 0.194              | 19.6                       | 0.410             | 0.161    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 27710   | 2310.0      | 1             | 0         | 20.4                       | 18.7                     | 0.544            | 0.805             | 0.225             | 0.333              | 19.6                       | 0.669             | 0.277    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 27710   | 2310.0      | 25            | 0         | 20.4                       | 18.7                     | 0.547            | 0.809             | 0.225             | 0.333              | 19.6                       | 0.673             | 0.277    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 27710   | 2310.0      | 50            | 0         | 20.4                       | 18.8                     | 0.550            | 0.795             | 0.227             | 0.328              | 19.6                       | 0.661             | 0.273    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 27710   | 2310.0      | 1             | 0         | 20.4                       | 18.7                     | 0.462            | 0.683             | 0.173             | 0.256              | 19.6                       | 0.568             | 0.213    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 27710   | 2310.0      | 25            | 0         | 20.4                       | 18.7                     | 0.457            | 0.676             | 0.173             | 0.256              | 19.6                       | 0.562             | 0.213    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 27710   | 2310.0      | 1             | 0         | 19.2                       | 17.5                     | 0.447            | 0.661             | 0.202             | 0.299              | 18.4                       | 0.550             | 0.249    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 27710   | 2310.0      | 25            | 0         | 19.2                       | 17.5                     | 0.468            | 0.692             | 0.208             | 0.308              | 18.4                       | 0.576             | 0.256    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 27710   | 2310.0      | 1             | 0         | 19.2                       | 17.5                     | 0.196            | 0.290             | 0.084             | 0.124              | 18.4                       | 0.241             | 0.103    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 27710   | 2310.0      | 25            | 0         | 19.2                       | 17.5                     | 0.177            | 0.262             | 0.075             | 0.111              | 18.4                       | 0.218             | 0.092    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 27710   | 2310.0      | 1             | 0         | 19.2                       | 17.5                     | 0.101            | 0.149             | 0.041             | 0.061              | 18.4                       | 0.124             | 0.050    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 27710   | 2310.0      | 25            | 0         | 19.2                       | 17.5                     | 0.104            | 0.154             | 0.041             | 0.061              | 18.4                       | 0.128             | 0.050    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 27710   | 2310.0      | 1             | 0         | 19.2                       | 17.5                     | 0.013            | 0.019             | 0.006             | 0.009              | 18.4                       | 0.016             | 0.007    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 27710   | 2310.0      | 25            | 0         | 19.2                       | 17.5                     | 0.009            | 0.013             | 0.004             | 0.006              | 18.4                       | 0.011             | 0.005    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 27710   | 2310.0      | 1             | 0         | 19.2                       | 17.5                     | 0.257            | 0.380             | 0.124             | 0.183              | 18.4                       | 0.316             | 0.153    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 27710   | 2310.0      | 25            | 0         | 19.2                       | 17.5                     | 0.188            | 0.278             | 0.093             | 0.138              | 18.4                       | 0.231             | 0.114    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 27710   | 2310.0      | 1             | 0         | 24.0                       | 23.2                     | 0.356            | 0.428             | 0.211             | 0.254              | 23.2                       | 0.356             | 0.211    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 27710   | 2310.0      | 25            | 0         | 24.0                       | 23.2                     | 0.328            | 0.394             | 0.192             | 0.231              | 23.2                       | 0.328             | 0.192    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 27710   | 2310.0      | 1             | 0         | 24.0                       | 23.2                     | 0.165            | 0.198             | 0.085             | 0.102              | 23.2                       | 0.165             | 0.085    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 27710   | 2310.0      | 25            | 0         | 24.0                       | 23.2                     | 0.161            | 0.194             | 0.083             | 0.100              | 23.2                       | 0.161             | 0.083    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 27710   | 2310.0      | 1             | 0         | 24.0                       | 23.2                     | 0.251            | 0.302             | 0.147             | 0.177              | 23.2                       | 0.251             | 0.147    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 27710   | 2310.0      | 25            | 0         | 24.0                       | 23.2                     | 0.246            | 0.296             | 0.142             | 0.171              | 23.2                       | 0.246             | 0.142    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 27710   | 2310.0      | 1             | 0         | 24.0                       | 23.2                     | 0.231            | 0.278             | 0.121             | 0.145              | 23.2                       | 0.231             | 0.121    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 27710   | 2310.0      | 25            | 0         | 24.0                       | 23.2                     | 0.264            | 0.317             | 0.135             | 0.162              | 23.2                       | 0.264             | 0.135    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 27710   | 2310.0      | 1             | 0         | 22.3                       | 21.5                     | 0.982            | 1.181             | 0.484             | 0.582              | 21.5                       | 0.982             | 0.484    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 27710   | 2310.0      | 25            | 25        | 22.3                       | 21.5                     | 0.965            | 1.160             | 0.475             | 0.571              | 21.5                       | 0.965             | 0.475    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 27710   | 2310.0      | 50            | 0         | 22.3                       | 21.5                     | 0.974            | 1.171             | 0.481             | 0.578              | 21.5                       | 0.974             | 0.481    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 27710   | 2310.0      | 1             | 0         | 22.3                       | 21.5                     | 0.844            | 1.015             | 0.442             | 0.531              | 21.5                       | 0.844             | 0.442    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 27710   | 2310.0      | 25            | 25        | 22.3                       | 21.5                     | 0.828            | 0.995             | 0.434             | 0.522              | 21.5                       | 0.828             | 0.434    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 27710   | 2310.0      | 50            | 0         | 22.3                       | 21.5                     | 0.828            | 0.995             | 0.435             | 0.523              | 21.5                       | 0.828             | 0.435    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 27710   | 2310.0      | 1             | 0         | 22.3                       | 21.5                     | 0.345            | 0.415             | 0.180             | 0.216              | 21.5                       | 0.345             | 0.180    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 27710   | 2310.0      | 25            | 25        | 22.3                       | 21.5                     | 0.350            | 0.421             | 0.183             | 0.220              | 21.5                       | 0.350             | 0.183    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 27710   | 2310.0      | 1             | 0         | 22.3                       | 21.5                     | 0.834            | 1.003             | 0.414             | 0.498              | 21.5                       | 0.834             | 0.414    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 27710   | 2310.0      | 25            | 25        | 22.3                       | 21.5                     | 0.816            | 0.981             | 0.403             | 0.485              | 21.5                       | 0.816             | 0.403    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 27710   | 2310.0      | 50            | 0         | 22.3                       | 21.5                     | 0.821            | 0.987             | 0.409             | 0.492              | 21.5                       | 0.821             | 0.409    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 27710   | 2310.0      | 1             | 0         | 20.4                       | 19.9                     | 1.020            | 1.144             | 0.539             | 0.605              | 19.6                       | 0.952             | 0.503    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 27710   | 2310.0      | 25            | 0         | 20.4                       | 19.9                     | 1.050            | <b>1.178</b>      | 0.554             | 0.622              | 19.6                       | <b>0.980</b>      | 0.517    | 39                 |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 27710   | 2310.0      | 50            | 0         | 20.4                       | 19.9                     | 0.993            | 1.114             | 0.517             | 0.580              | 19.6                       | 0.927             | 0.482    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 27710   | 2310.0      | 1             | 0         | 20.4                       | 19.9                     | 0.527            | 0.591             | 0.267             | 0.300              | 19.6                       | 0.492             | 0.249    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 27710   | 2310.0      | 25            | 0         | 20.4                       | 19.9                     | 0.554            | 0.622             | 0.265             | 0.297              | 19.6                       | 0.517             | 0.247    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 27710   | 2310.0      | 1             | 0         | 20.4                       | 19.9                     | 0.351            | 0.394             | 0.193             | 0.217              | 19.6                       | 0.328             | 0.180    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 27710   | 2310.0      | 25            | 0         | 20.4                       | 19.9                     | 0.352            | 0.395             | 0.194             | 0.218              | 19.6                       | 0.329             | 0.181    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 27710   | 2310.0      | 1             | 0         | 20.4                       | 19.9                     | 0.190            | 0.213             | 0.106             | 0.119              | 19.6                       | 0.177             | 0.099    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 27710   | 2310.0      | 25            | 0         | 20.4                       | 19.9                     | 0.194            | 0.218             | 0.109             | 0.122              | 19.6                       | 0.181             | 0.102    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 27710   | 2310.0      | 1             | 0         | 19.9                       | 18.5                     | 0.346            | 0.478             | 0.169             | 0.233              | 19.1                       | 0.397             | 0.194    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 27710   | 2310.0      | 25            | 0         | 19.9                       | 18.6                     | 0.348            | 0.469             | 0.170             | 0.229              | 19.1                       | 0.390             | 0.191    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 27710   | 2310.0      | 1             | 0         | 19.9                       | 18.5                     | 0.294            | 0.406             | 0.154             | 0.213              | 19.1                       | 0.338             | 0.177    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 27710   | 2310.0      | 25            | 0         | 19.9                       | 18.6                     | 0.299            | 0.403             | 0.157             | 0.212              | 19.1                       | 0.335             | 0.176    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 27710   | 2310.0      | 1             | 0         | 19.9                       | 18.5                     | 0.107            | 0.148             | 0.046             | 0.063              | 19.1                       | 0.123             | 0.053    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 27710   | 2310.0      | 25            | 0         | 19.9                       | 18.6                     | 0.111            | 0.150             | 0.047             | 0.063              | 19.1                       | 0.125             | 0.053    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 27710   | 2310.0      | 1             | 0         | 19.9                       | 18.5                     | 0.653            | 0.901             | 0.313             | 0.432              | 19.1                       | 0.750             | 0.359    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 27710   | 2310.0      | 25            | 0         | 19.9                       | 18.6                     | 0.665            | 0.897             | 0.320             | 0.432              | 19.1                       | 0.746             | 0.359    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 27710   | 2310.0      | 50            | 0         | 19.9                       | 18.6                     | 0.724            | 0.977             | 0.342             | 0.461              | 19.1                       | 0.812             | 0.384    |                    |

### 10.14. LTE Band 41 PC3 (20MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No. |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|----------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 40620   | 2593.0      | 1             | 49        | 25.7                       | 24.8                     | 0.098            | 0.121             | 0.049             | 0.060              | 25.7                       | 0.121    | 0.060             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 40620   | 2593.0      | 50            | 24        | 24.7                       | 24.4                     | 0.091            | 0.098             | 0.045             | 0.048              | 24.7                       | 0.098    | 0.048             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 40620   | 2593.0      | 1             | 49        | 25.7                       | 24.8                     | 0.144            | 0.177             | 0.077             | 0.095              | 25.7                       | 0.177    | 0.095             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 40620   | 2593.0      | 50            | 24        | 24.7                       | 24.4                     | 0.094            | 0.101             | 0.049             | 0.053              | 24.7                       | 0.101    | 0.053             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 40620   | 2593.0      | 1             | 49        | 25.7                       | 24.8                     | 0.248            | 0.305             | 0.135             | 0.166              | 25.7                       | 0.305    | 0.166             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 40620   | 2593.0      | 50            | 24        | 24.7                       | 24.4                     | 0.223            | 0.239             | 0.121             | 0.130              | 24.7                       | 0.239    | 0.130             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 40620   | 2593.0      | 1             | 49        | 25.7                       | 24.8                     | 0.117            | 0.144             | 0.063             | 0.078              | 25.7                       | 0.144    | 0.078             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 40620   | 2593.0      | 50            | 24        | 24.7                       | 24.4                     | 0.099            | 0.106             | 0.053             | 0.057              | 24.7                       | 0.106    | 0.057             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 40620   | 2593.0      | 1             | 49        | 23.9                       | 22.6                     | 0.496            | 0.669             | 0.233             | 0.314              | 23.1                       | 0.557    | 0.261             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 40620   | 2593.0      | 50            | 0         | 23.9                       | 22.6                     | 0.506            | 0.683             | 0.237             | 0.320              | 23.1                       | 0.568    | 0.266             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 40620   | 2593.0      | 1             | 49        | 23.9                       | 22.6                     | 0.427            | 0.576             | 0.188             | 0.254              | 23.1                       | 0.479    | 0.211             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 40620   | 2593.0      | 50            | 0         | 23.9                       | 22.6                     | 0.436            | 0.588             | 0.191             | 0.258              | 23.1                       | 0.489    | 0.214             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 40620   | 2593.0      | 1             | 49        | 23.9                       | 22.6                     | 0.345            | 0.465             | 0.154             | 0.208              | 23.1                       | 0.387    | 0.173             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 40620   | 2593.0      | 50            | 0         | 23.9                       | 22.6                     | 0.363            | 0.490             | 0.160             | 0.216              | 23.1                       | 0.407    | 0.180             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 40620   | 2593.0      | 1             | 49        | 23.9                       | 22.6                     | 0.460            | 0.621             | 0.192             | 0.259              | 23.1                       | 0.516    | 0.215             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 40620   | 2593.0      | 50            | 0         | 23.9                       | 22.6                     | 0.469            | 0.633             | 0.169             | 0.228              | 23.1                       | 0.526    | 0.190             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 40620   | 2593.0      | 1             | 49        | 23.9                       | 22.6                     | 0.007            | 0.009             | 0.003             | 0.004              | 23.1                       | 0.008    | 0.003             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 40620   | 2593.0      | 50            | 0         | 23.9                       | 22.6                     | 0.007            | 0.009             | 0.003             | 0.004              | 23.1                       | 0.008    | 0.003             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                    |                  |                   |                   | Power State 2      |                      |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 39750   | 2506.0      | 1             | 49        | 20.3                 | 19.2               | 0.768            | 0.994             | 0.273             | 0.353              | 19.5                 | 0.827             | 0.294    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 39750   | 2506.0      | 50            | 50        | 20.3                 | 19.4               | 0.813            | 1.009             | 0.292             | 0.363              | 19.5                 | 0.840             | 0.302    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 40185   | 2549.5      | 1             | 49        | 20.3                 | 19.1               | 0.651            | 0.858             | 0.229             | 0.302              | 19.5                 | 0.714             | 0.251    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 40185   | 2549.5      | 50            | 50        | 20.3                 | 19.3               | 0.687            | 0.865             | 0.246             | 0.310              | 19.5                 | 0.719             | 0.258    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 40185   | 2549.5      | 100           | 0         | 20.3                 | 19.4               | 0.672            | 0.827             | 0.235             | 0.289              | 19.5                 | 0.688             | 0.240    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 40620   | 2593.0      | 1             | 49        | 20.3                 | 19.0               | 0.873            | <b>1.178</b>      | 0.305             | 0.411              | 19.5                 | <b>0.980</b>      | 0.342    | 40                 |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 40620   | 2593.0      | 50            | 0         | 20.3                 | 19.2               | 0.730            | 0.940             | 0.257             | 0.331              | 19.5                 | 0.782             | 0.275    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 41055   | 2636.5      | 1             | 49        | 20.3                 | 19.0               | 0.816            | 1.101             | 0.279             | 0.376              | 19.5                 | 0.916             | 0.313    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 41055   | 2636.5      | 50            | 24        | 20.3                 | 19.2               | 0.892            | 1.149             | 0.313             | 0.403              | 19.5                 | 0.956             | 0.335    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 41490   | 2680.0      | 1             | 49        | 20.3                 | 18.8               | 0.739            | 1.044             | 0.251             | 0.355              | 19.5                 | 0.868             | 0.295    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 41490   | 2680.0      | 50            | 50        | 20.3                 | 19.3               | 0.819            | 1.031             | 0.285             | 0.359              | 19.5                 | 0.858             | 0.298    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 39750   | 2506.0      | 1             | 49        | 20.3                 | 19.2               | 0.657            | 0.850             | 0.230             | 0.298              | 19.5                 | 0.707             | 0.248    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 40185   | 2549.5      | 1             | 49        | 20.3                 | 19.1               | 0.559            | 0.737             | 0.197             | 0.260              | 19.5                 | 0.613             | 0.216    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 40185   | 2549.5      | 50            | 50        | 20.3                 | 19.3               | 0.557            | 0.701             | 0.196             | 0.247              | 19.5                 | 0.583             | 0.205    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 40185   | 2549.5      | 100           | 0         | 20.3                 | 19.4               | 0.577            | 0.710             | 0.202             | 0.249              | 19.5                 | 0.590             | 0.207    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 40620   | 2593.0      | 1             | 49        | 20.3                 | 19.0               | 0.699            | 0.943             | 0.237             | 0.320              | 19.5                 | 0.784             | 0.266    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 40620   | 2593.0      | 50            | 0         | 20.3                 | 19.2               | 0.719            | 0.926             | 0.242             | 0.312              | 19.5                 | 0.770             | 0.259    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 41055   | 2636.5      | 1             | 49        | 20.3                 | 19.0               | 0.697            | 0.940             | 0.239             | 0.322              | 19.5                 | 0.782             | 0.268    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 41055   | 2636.5      | 50            | 24        | 20.3                 | 19.2               | 0.719            | 0.926             | 0.246             | 0.317              | 19.5                 | 0.770             | 0.264    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 41490   | 2680.0      | 1             | 49        | 20.3                 | 18.8               | 0.657            | 0.928             | 0.223             | 0.315              | 19.5                 | 0.772             | 0.262    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 41490   | 2680.0      | 50            | 50        | 20.3                 | 19.3               | 0.648            | 0.816             | 0.219             | 0.276              | 19.5                 | 0.679             | 0.229    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 39750   | 2506.0      | 1             | 49        | 20.3                 | 19.2               | 0.708            | 0.916             | 0.291             | 0.377              | 19.5                 | 0.762             | 0.313    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 39750   | 2506.0      | 50            | 50        | 20.3                 | 19.4               | 0.713            | 0.885             | 0.294             | 0.365              | 19.5                 | 0.736             | 0.304    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 40185   | 2549.5      | 1             | 49        | 20.3                 | 19.1               | 0.667            | 0.879             | 0.268             | 0.353              | 19.5                 | 0.731             | 0.294    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 40185   | 2549.5      | 50            | 50        | 20.3                 | 19.3               | 0.687            | 0.865             | 0.246             | 0.310              | 19.5                 | 0.719             | 0.258    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 40185   | 2549.5      | 100           | 0         | 20.3                 | 19.4               | 0.628            | 0.773             | 0.258             | 0.317              | 19.5                 | 0.643             | 0.264    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 40620   | 2593.0      | 1             | 49        | 20.3                 | 19.0               | 0.803            | 1.083             | 0.331             | 0.447              | 19.5                 | 0.901             | 0.371    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 40620   | 2593.0      | 50            | 0         | 20.3                 | 19.2               | 0.815            | 1.050             | 0.333             | 0.429              | 19.5                 | 0.873             | 0.357    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 40620   | 2593.0      | 100           | 0         | 20.3                 | 19.2               | 0.721            | 0.929             | 0.288             | 0.371              | 19.5                 | 0.773             | 0.309    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 41055   | 2636.5      | 1             | 49        | 20.3                 | 19.0               | 0.755            | 1.018             | 0.306             | 0.413              | 19.5                 | 0.847             | 0.343    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 41055   | 2636.5      | 50            | 24        | 20.3                 | 19.2               | 0.774            | 0.997             | 0.313             | 0.403              | 19.5                 | 0.829             | 0.335    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 41490   | 2680.0      | 1             | 49        | 20.3                 | 18.8               | 0.773            | 1.092             | 0.313             | 0.442              | 19.5                 | 0.908             | 0.368    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 41490   | 2680.0      | 50            | 50        | 20.3                 | 19.3               | 0.791            | 0.996             | 0.321             | 0.404              | 19.5                 | 0.828             | 0.336    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                    |                  |                   |                   | Power State 2      |                      |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 39750   | 2506.0      | 1             | 49        | 20.3                 | 19.2               | 0.544            | 0.704             | 0.221             | 0.286              | 19.5                 | 0.586             | 0.238    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 39750   | 2506.0      | 50            | 50        | 20.3                 | 19.4               | 0.541            | 0.672             | 0.221             | 0.274              | 19.5                 | 0.559             | 0.228    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 40185   | 2549.5      | 1             | 49        | 20.3                 | 19.1               | 0.440            | 0.580             | 0.185             | 0.244              | 19.5                 | 0.482             | 0.203    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 40185   | 2549.5      | 50            | 50        | 20.3                 | 19.3               | 0.448            | 0.564             | 0.185             | 0.233              | 19.5                 | 0.469             | 0.194    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 40185   | 2549.5      | 100           | 0         | 20.3                 | 19.4               | 0.474            | 0.583             | 0.193             | 0.237              | 19.5                 | 0.485             | 0.197    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 40620   | 2593.0      | 1             | 49        | 20.3                 | 19.0               | 0.637            | 0.859             | 0.251             | 0.339              | 19.5                 | 0.715             | 0.282    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 40620   | 2593.0      | 50            | 0         | 20.3                 | 19.2               | 0.654            | 0.843             | 0.258             | 0.332              | 19.5                 | 0.701             | 0.276    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 41055   | 2636.5      | 1             | 49        | 20.3                 | 19.0               | 0.608            | 0.820             | 0.241             | 0.325              | 19.5                 | 0.682             | 0.270    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 41055   | 2636.5      | 50            | 24        | 20.3                 | 19.2               | 0.573            | 0.738             | 0.230             | 0.296              | 19.5                 | 0.614             | 0.246    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 41490   | 2680.0      | 1             | 49        | 20.3                 | 18.8               | 0.556            | 0.785             | 0.219             | 0.309              | 19.5                 | 0.653             | 0.257    |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 41490   | 2680.0      | 50            | 50        | 20.3                 | 19.3               | 0.553            | 0.696             | 0.215             | 0.271              | 19.5                 | 0.579             | 0.225    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 40620   | 2593.0      | 1             | 0         | 21.2                 | 19.6               | 0.515            | <b>0.744</b>      | 0.201             | 0.291              | 20.4                 | <b>0.619</b>      | 0.242    | 41                 |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 40620   | 2593.0      | 50            | 0         | 21.2                 | 19.8               | 0.526            | 0.726             | 0.204             | 0.282              | 20.4                 | 0.604             | 0.234    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 40620   | 2593.0      | 1             | 0         | 21.2                 | 19.6               | 0.410            | 0.593             | 0.166             | 0.240              | 20.4                 | 0.493             | 0.200    |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 40620   | 2593.0      | 50            | 0         | 21.2                 | 19.8               | 0.424            | 0.585             | 0.171             | 0.236              | 20.4                 | 0.487             | 0.196    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 40620   | 2593.0      | 1             | 0         | 21.2                 | 19.6               | 0.317            | 0.458             | 0.109             | 0.158              | 20.4                 | 0.381             | 0.131    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 40620   | 2593.0      | 50            | 0         | 21.2                 | 19.8               | 0.332            | 0.458             | 0.115             | 0.159              | 20.4                 | 0.381             | 0.132    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 40620   | 2593.0      | 1             | 0         | 21.2                 | 19.6               | 0.003            | 0.004             | 0.002             | 0.003              | 20.4                 | 0.004             | 0.002    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 40620   | 2593.0      | 50            | 0         | 21.2                 | 19.8               | 0.019            | 0.026             | 0.008             | 0.011              | 20.4                 | 0.022             | 0.009    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 40620   | 2593.0      | 1             | 0         | 21.2                 | 19.6               | 0.114            | 0.165             | 0.052             | 0.075              | 20.4                 | 0.137             | 0.063    |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 40620   | 2593.0      | 50            | 0         | 21.2                 | 19.8               | 0.115            | 0.159             | 0.051             | 0.070              | 20.4                 | 0.132             | 0.059    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                    |                  |                   | Power State 2     |                    |                      | Plot No.     |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|--------------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 40620   | 2593.0      | 1             | 49        | 25.7                 | 24.5               | 0.305            | 0.402             | 0.166             | 0.219              | 25.7                 | 0.402        | 0.219             |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 40620   | 2593.0      | 50            | 0         | 24.7                 | 24.3               | 0.273            | 0.299             | 0.148             | 0.162              | 24.7                 | 0.299        | 0.162             |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 40620   | 2593.0      | 1             | 49        | 25.7                 | 24.5               | 0.099            | 0.131             | 0.052             | 0.069              | 25.7                 | 0.131        | 0.069             |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 40620   | 2593.0      | 50            | 0         | 24.7                 | 24.3               | 0.086            | 0.094             | 0.046             | 0.050              | 24.7                 | 0.094        | 0.050             |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 40620   | 2593.0      | 1             | 49        | 25.7                 | 24.5               | 0.124            | 0.163             | 0.070             | 0.092              | 25.7                 | 0.163        | 0.092             |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 40620   | 2593.0      | 50            | 0         | 24.7                 | 24.3               | 0.110            | 0.121             | 0.063             | 0.069              | 24.7                 | 0.121        | 0.069             |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 40620   | 2593.0      | 1             | 49        | 25.7                 | 24.5               | 0.119            | 0.157             | 0.065             | 0.086              | 25.7                 | 0.157        | 0.086             |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 40620   | 2593.0      | 50            | 0         | 24.7                 | 24.3               | 0.105            | 0.115             | 0.056             | 0.061              | 24.7                 | 0.115        | 0.061             |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 40620   | 2593.0      | 1             | 49        | 23.4                 | 22.5               | 0.544            | 0.669             | 0.273             | 0.336              | 22.6                 | 0.557        | 0.279             |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 40620   | 2593.0      | 50            | 0         | 23.4                 | 22.4               | 0.531            | 0.668             | 0.269             | 0.339              | 22.6                 | 0.556        | 0.282             |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 40620   | 2593.0      | 1             | 49        | 23.4                 | 22.5               | 0.363            | 0.447             | 0.195             | 0.240              | 22.6                 | 0.371        | 0.200             |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 40620   | 2593.0      | 50            | 0         | 23.4                 | 22.4               | 0.365            | 0.460             | 0.188             | 0.237              | 22.6                 | 0.382        | 0.197             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 40620   | 2593.0      | 1             | 49        | 23.4                 | 22.5               | 0.075            | 0.092             | 0.037             | 0.046              | 22.6                 | 0.077        | 0.038             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 40620   | 2593.0      | 50            | 0         | 23.4                 | 22.4               | 0.080            | 0.101             | 0.041             | 0.052              | 22.6                 | 0.084        | 0.043             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 39750   | 2506.0      | 1             | 49        | 23.4                 | 22.3               | 0.722            | 0.930             | 0.337             | 0.434              | 22.6                 | 0.774        | 0.361             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 39750   | 2506.0      | 50            | 0         | 23.4                 | 22.4               | 0.777            | 0.978             | 0.362             | 0.456              | 22.6                 | 0.814        | 0.379             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 40185   | 2549.5      | 1             | 49        | 23.4                 | 22.4               | 0.687            | 0.865             | 0.315             | 0.397              | 22.6                 | 0.719        | 0.330             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 40185   | 2549.5      | 50            | 0         | 23.4                 | 22.4               | 0.746            | 0.939             | 0.343             | 0.432              | 22.6                 | 0.781        | 0.359             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 40620   | 2593.0      | 1             | 49        | 23.4                 | 22.5               | 0.771            | 0.949             | 0.351             | 0.432              | 22.6                 | 0.789        | 0.359             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 40620   | 2593.0      | 50            | 0         | 23.4                 | 22.4               | 0.777            | 0.978             | 0.354             | 0.446              | 22.6                 | 0.814        | 0.371             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 41055   | 2636.5      | 1             | 49        | 23.4                 | 22.3               | 0.909            | 1.171             | 0.412             | 0.531              | 22.6                 | 0.974        | 0.441             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 41055   | 2636.5      | 50            | 50        | 23.4                 | 22.3               | 0.917            | <b>1.181</b>      | 0.415             | 0.535              | 22.6                 | <b>0.983</b> | 0.445             | 42                 |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 41490   | 2680.0      | 1             | 49        | 23.4                 | 22.7               | 0.916            | 1.076             | 0.415             | 0.488              | 22.6                 | 0.895        | 0.406             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 41490   | 2680.0      | 50            | 24        | 23.4                 | 22.6               | 0.918            | 1.104             | 0.414             | 0.498              | 22.6                 | 0.918        | 0.414             |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 41490   | 2680.0      | 100           | 0         | 23.4                 | 22.7               | 0.924            | 1.086             | 0.420             | 0.493              | 22.6                 | 0.903        | 0.410             |                    |



| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                    |                  |                   |                   | Power State 2      |                      |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 39750   | 2506.0      | 1             | 0         | 24.4                 | 22.7               | 0.613            | 0.907             | 0.316             | 0.467              | 23.6                 | 0.827             | 0.426    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 39750   | 2506.0      | 50            | 0         | 24.4                 | 22.6               | 0.660            | 0.999             | 0.337             | 0.510              | 23.6                 | 0.831             | 0.424    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 40185   | 2549.5      | 1             | 0         | 24.4                 | 22.7               | 0.495            | 0.732             | 0.237             | 0.351              | 23.6                 | 0.668             | 0.320    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 40185   | 2549.5      | 50            | 24        | 24.4                 | 22.8               | 0.464            | 0.671             | 0.219             | 0.317              | 23.6                 | 0.612             | 0.289    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 40620   | 2593.0      | 1             | 49        | 24.4                 | 22.8               | 0.661            | 0.955             | 0.292             | 0.422              | 23.6                 | 0.871             | 0.385    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 40620   | 2593.0      | 50            | 0         | 24.4                 | 22.5               | 0.672            | 1.041             | 0.297             | 0.460              | 23.6                 | 0.866             | 0.383    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 40620   | 2593.0      | 100           | 0         | 24.4                 | 22.6               | 0.508            | 0.769             | 0.236             | 0.357              | 23.6                 | 0.640             | 0.297    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 41055   | 2636.5      | 1             | 49        | 24.4                 | 22.7               | 0.510            | 0.754             | 0.225             | 0.333              | 23.6                 | 0.688             | 0.304    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 41055   | 2636.5      | 50            | 0         | 24.4                 | 22.7               | 0.514            | 0.760             | 0.228             | 0.337              | 23.6                 | 0.678             | 0.301    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 41490   | 2680.0      | 1             | 99        | 24.4                 | 22.8               | 0.354            | 0.512             | 0.166             | 0.240              | 23.6                 | 0.467             | 0.219    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 41490   | 2680.0      | 50            | 24        | 24.4                 | 22.5               | 0.373            | 0.578             | 0.180             | 0.279              | 23.6                 | 0.481             | 0.232    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 40620   | 2593.0      | 1             | 49        | 24.4                 | 22.4               | 0.266            | 0.422             | 0.130             | 0.206              | 23.6                 | 0.351             | 0.171    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 40620   | 2593.0      | 50            | 0         | 24.4                 | 22.5               | 0.276            | 0.427             | 0.135             | 0.209              | 23.6                 | 0.356             | 0.174    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 40620   | 2593.0      | 1             | 49        | 24.4                 | 22.8               | 0.222            | 0.321             | 0.118             | 0.171              | 23.6                 | 0.293             | 0.156    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 40620   | 2593.0      | 50            | 0         | 24.4                 | 22.5               | 0.224            | 0.347             | 0.120             | 0.186              | 23.6                 | 0.289             | 0.155    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 40620   | 2593.0      | 1             | 49        | 24.4                 | 22.8               | 0.088            | 0.127             | 0.047             | 0.068              | 23.6                 | 0.116             | 0.062    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 40620   | 2593.0      | 50            | 0         | 24.4                 | 22.5               | 0.090            | 0.139             | 0.050             | 0.077              | 23.6                 | 0.116             | 0.064    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 40620   | 2593.0      | 1             | 49        | 24.7                 | 23.4               | 0.484            | 0.653             | 0.214             | 0.289              | 23.9                 | 0.543             | 0.240    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 40620   | 2593.0      | 50            | 0         | 24.7                 | 23.3               | 0.496            | 0.685             | 0.220             | 0.304              | 23.9                 | 0.569             | 0.253    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 40620   | 2593.0      | 1             | 49        | 24.7                 | 23.4               | 0.342            | 0.461             | 0.163             | 0.220              | 23.9                 | 0.384             | 0.183    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 40620   | 2593.0      | 50            | 0         | 24.7                 | 23.3               | 0.349            | 0.482             | 0.167             | 0.231              | 23.9                 | 0.401             | 0.192    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 40620   | 2593.0      | 1             | 49        | 24.7                 | 23.4               | 0.091            | 0.123             | 0.040             | 0.054              | 23.9                 | 0.102             | 0.045    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 40620   | 2593.0      | 50            | 0         | 24.7                 | 23.3               | 0.092            | 0.127             | 0.040             | 0.055              | 23.9                 | 0.106             | 0.046    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 39750   | 2506.0      | 1             | 49        | 24.7                 | 23.5               | 0.661            | 0.871             | 0.316             | 0.417              | 23.9                 | 0.725             | 0.346    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 39750   | 2506.0      | 50            | 0         | 24.7                 | 23.5               | 0.654            | 0.862             | 0.313             | 0.413              | 23.9                 | 0.717             | 0.343    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 40185   | 2549.5      | 1             | 49        | 24.7                 | 23.2               | 0.723            | 1.021             | 0.331             | 0.468              | 23.9                 | 0.849             | 0.389    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 40185   | 2549.5      | 50            | 24        | 24.7                 | 23.3               | 0.737            | 1.017             | 0.337             | 0.465              | 23.9                 | 0.846             | 0.387    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 40620   | 2593.0      | 1             | 49        | 24.7                 | 23.4               | 0.716            | 0.966             | 0.330             | 0.445              | 23.9                 | 0.803             | 0.370    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 40620   | 2593.0      | 50            | 0         | 24.7                 | 23.3               | 0.702            | 0.969             | 0.324             | 0.447              | 23.9                 | 0.806             | 0.372    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 40620   | 2593.0      | 100           | 0         | 24.7                 | 23.5               | 0.748            | 0.986             | 0.342             | 0.451              | 23.9                 | 0.820             | 0.375    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 41055   | 2636.5      | 1             | 49        | 24.7                 | 23.2               | 0.643            | 0.908             | 0.292             | 0.412              | 23.9                 | 0.755             | 0.343    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 41055   | 2636.5      | 50            | 0         | 24.7                 | 23.2               | 0.661            | 0.934             | 0.303             | 0.428              | 23.9                 | 0.777             | 0.356    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 41490   | 2680.0      | 1             | 49        | 24.7                 | 23.4               | 0.438            | 0.591             | 0.196             | 0.264              | 23.9                 | 0.491             | 0.220    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 41490   | 2680.0      | 50            | 50        | 24.7                 | 23.5               | 0.442            | 0.583             | 0.196             | 0.258              | 23.9                 | 0.485             | 0.215    |                    |

**UL CA 41C PC3**

| Ant   | RF Exposure Conditions | Mode | Power Mode | Dist. (mm) | Test Position(s) | PCC UL |             |               |           | SCC UL |             |               |           | Power (dBm)          |       | Standalone           |                       |                       |                        | Power (dBm)          |                       |                        | Plot No. |
|-------|------------------------|------|------------|------------|------------------|--------|-------------|---------------|-----------|--------|-------------|---------------|-----------|----------------------|-------|----------------------|-----------------------|-----------------------|------------------------|----------------------|-----------------------|------------------------|----------|
|       |                        |      |            |            |                  | Ch #.  | Freq. (MHz) | RB Allocation | RB Offset | Ch #.  | Freq. (MHz) | RB Allocation | RB Offset | Maximum Output Power | Meas. | Meas. 1-g SAR (W/kg) | Scaled 1-g SAR (W/kg) | Meas. 10-g SAR (W/kg) | Scaled 10-g SAR (W/kg) | Maximum Output Power | Scaled 1-g SAR (W/kg) | Scaled 10-g SAR (W/kg) |          |
|       |                        |      |            |            |                  |        |             |               |           |        |             |               |           |                      |       |                      |                       |                       |                        |                      |                       |                        |          |
| ANT 1 | Head                   | QPSK | Mode A     | 0          | Right Cheek      | 40521  | 2583.1      | 1             | 99        | 40719  | 2602.9      | 1             | 0         | 25.7                 | 24.3  | 0.153                | 0.211                 | 0.082                 | 0.113                  | 25.7                 | 0.211                 | 0.113                  | -        |
|       | Body & Hotspot         | QPSK | Mode B     | 5          | Back             | 40521  | 2583.1      | 1             | 99        | 40719  | 2602.9      | 1             | 0         | 23.9                 | 22.5  | 0.482                | 0.665                 | 0.223                 | 0.308                  | 23.1                 | 0.553                 | 0.256                  | -        |
| ANT 2 | Head                   | QPSK | Mode A     | 0          | Left Cheek       | 40521  | 2583.1      | 1             | 99        | 40719  | 2602.9      | 1             | 0         | 20.3                 | 18.8  | 0.819                | 1.157                 | 0.301                 | 0.425                  | 19.5                 | 0.962                 | 0.354                  | -        |
|       | Body & Hotspot         | QPSK | Mode B     | 5          | Back             | 39750  | 2506        | 1             | 99        | 39948  | 2525.8      | 1             | 0         | 21.2                 | 19.5  | 0.350                | 0.518                 | 0.140                 | 0.207                  | 20.4                 | 0.431                 | 0.172                  | -        |
| ANT 3 | Head                   | QPSK | Mode A     | 0          | Left Cheek       | 40521  | 2583.1      | 1             | 99        | 40719  | 2602.9      | 1             | 0         | 25.7                 | 24.0  | 0.252                | 0.373                 | 0.139                 | 0.206                  | 25.7                 | 0.373                 | 0.206                  | -        |
|       | Body & Hotspot         | QPSK | Mode B     | 5          | Back             | 40521  | 2583.1      | 1             | 99        | 40719  | 2602.9      | 1             | 0         | 23.4                 | 21.9  | 0.368                | 0.520                 | 0.188                 | 0.266                  | 22.6                 | 0.432                 | 0.221                  | -        |
|       | Hotspot                | QPSK | Mode B     | 5          | Edge Left        | 41292  | 2660.2      | 1             | 99        | 41490  | 2680        | 1             | 0         | 23.4                 | 21.9  | 0.674                | 0.952                 | 0.301                 | 0.425                  | 22.6                 | 0.792                 | 0.354                  | -        |
| ANT 4 | Head                   | QPSK | Mode A     | 0          | Left Cheek       | 40521  | 2583.1      | 1             | 99        | 40719  | 2602.9      | 1             | 0         | 24.4                 | 22.9  | 0.580                | 0.819                 | 0.286                 | 0.404                  | 23.6                 | 0.681                 | 0.336                  | -        |
|       | Body & Hotspot         | QPSK | Mode B     | 5          | Back             | 40521  | 2583.1      | 1             | 99        | 40719  | 2602.9      | 1             | 0         | 24.7                 | 23.6  | 0.464                | 0.598                 | 0.212                 | 0.273                  | 23.9                 | 0.497                 | 0.227                  | -        |
|       | Hotspot                | QPSK | Mode B     | 5          | Edge Right       | 40521  | 2583.1      | 1             | 99        | 40719  | 2602.9      | 1             | 0         | 24.7                 | 23.6  | 0.788                | 1.015                 | 0.360                 | 0.464                  | 23.9                 | 0.844                 | 0.386                  | -        |

**Note(s):**

PCC RB allocation setting for UL CA has been adjusted based on the worst-case power.  
 Additional SAR for UL CA PC2 is not required. Test reduction has been applied based on standalone SAR.

**10.15. LTE Band 41 PC2 (20MHz Bandwidth)**

From May 2017 TCB Workshop, SAR tested were performed using Power Class 3. SAR test for Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination. According to the highest time averaged power for UL-DL configurations, configuration # 1 with duty cycle 43.3% is used for Power Class 2 SAR test.

Additional SAR testing for Power Class 2 is not required when:

- The reported SAR vs. output power can be linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg

**Reported SAR vs. Output Power linearly scaled**

| Antenna    | Exposure       | PC2        |            |            | PC3        |           |            |       | PC2 Scale | Lin. Scaled | Testing Required? |
|------------|----------------|------------|------------|------------|------------|-----------|------------|-------|-----------|-------------|-------------------|
|            |                | Duty Cycle | Max Power  | Frame Avg. | Duty Cycle | Max Power | Frame Avg. | SAR   |           |             |                   |
| ANT 1      | Head           | 43.3%      | 28.7       | 320.99     | 63.3%      | 25.7      | 235.18     | 0.305 | 0.416     | 36.3%       | Yes               |
| ANT 1      | Body & Hotspot | 43.3%      | 23.9       | 106.29     | 63.3%      | 23.9      | 155.38     | 0.683 | 0.467     | -31.6%      | No                |
| ANT 1      | Hotspot        | 43.3%      | 23.9       | 106.29     | 63.3%      | 23.9      | 155.38     | 0.469 | 0.321     | -31.6%      | No                |
| Antenna    | Exposure       | PC2        |            |            | PC3        |           |            |       | PC2 Scale | Lin. Scaled | Testing Required? |
| Duty Cycle | Max Power      | Frame Avg. | Duty Cycle | Max Power  | Frame Avg. | SAR       |            |       |           |             |                   |
| ANT 2      | Head           | 43.3%      | 20.3       | 46.4       | 63.3%      | 20.3      | 67.83      | 1.178 | 0.806     | -31.6%      | No                |
| ANT 2      | Body & Hotspot | 43.3%      | 21.2       | 57.08      | 63.3%      | 21.2      | 83.45      | 0.744 | 0.509     | -31.6%      | No                |
| ANT 2      | Hotspot        | 43.3%      | 21.2       | 57.08      | 63.3%      | 21.2      | 83.45      | 0.458 | 0.313     | -31.7%      | No                |
| Antenna    | Exposure       | PC2        |            |            | PC3        |           |            |       | PC2 Scale | Lin. Scaled | Testing Required? |
| Duty Cycle | Max Power      | Frame Avg. | Duty Cycle | Max Power  | Frame Avg. | SAR       |            |       |           |             |                   |
| ANT 3      | Head           | 43.3%      | 27.3       | 232.53     | 63.3%      | 25.7      | 235.18     | 0.402 | 0.398     | -1.0%       | No                |
| ANT 3      | Body & Hotspot | 43.3%      | 23.4       | 94.73      | 63.3%      | 23.4      | 138.49     | 0.669 | 0.458     | -31.6%      | No                |
| ANT 3      | Hotspot        | 43.3%      | 23.4       | 94.73      | 63.3%      | 23.4      | 138.49     | 1.181 | 0.808     | -31.6%      | No                |
| Antenna    | Exposure       | PC2        |            |            | PC3        |           |            |       | PC2 Scale | Lin. Scaled | Testing Required? |
| Duty Cycle | Max Power      | Frame Avg. | Duty Cycle | Max Power  | Frame Avg. | SAR       |            |       |           |             |                   |
| ANT 4      | Head           | 43.3%      | 24.4       | 119.26     | 63.3%      | 24.4      | 174.34     | 1.048 | 0.717     | -31.6%      | No                |
| ANT 4      | Body & Hotspot | 43.3%      | 24.7       | 127.79     | 63.3%      | 24.7      | 186.81     | 0.685 | 0.468     | -31.6%      | No                |
| ANT 4      | Hotspot        | 43.3%      | 24.7       | 127.79     | 63.3%      | 24.7      | 186.81     | 1.132 | 0.774     | -31.6%      | No                |

**Conclusion:**

SAR testing for Power Class 2 is required for ANT 1 Mode A Head only because the PC2 reported SAR vs. output power linearly scaled >10%.

**SAR Test Results**

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   |                    | Power State 2              |                   |                    | Plot No. |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|--------------------|----------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |          |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 40620   | 2593.0      | 1             | 49        | 28.7                       | 28.1                     | 0.292            | 0.335             | 0.158             | 0.181              | 28.7                       | 0.335             | 0.181              | -        |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 40620   | 2593.0      | 50            | 0         | 27.7                       | 27.5                     | 0.249            | 0.261             | 0.136             | 0.142              | 27.7                       | 0.261             | 0.142              | -        |

### 10.16. LTE Band 48 (20MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (m) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|-----------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |         |               |           |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 7      | Head                     | QPSK    | Mode A        | 0         | Left Cheek       | 56207   | 3646.7      | 1             | 49        | 25.6                       | 24.0                     | 0.058            | 0.084             | 0.026             | 0.038              | 25.6                       | 0.084             | 0.038    |                    |
| ANT 7      | Head                     | QPSK    | Mode A        | 0         | Left Cheek       | 56207   | 3646.7      | 50            | 0         | 24.7                       | 24.1                     | 0.048            | 0.055             | 0.022             | 0.025              | 24.7                       | 0.055             | 0.025    |                    |
| ANT 7      | Head                     | QPSK    | Mode A        | 0         | Left Tilt        | 56207   | 3646.7      | 1             | 49        | 25.6                       | 24.0                     | 0.055            | 0.079             | 0.022             | 0.032              | 25.6                       | 0.079             | 0.032    |                    |
| ANT 7      | Head                     | QPSK    | Mode A        | 0         | Left Tilt        | 56207   | 3646.7      | 50            | 0         | 24.7                       | 24.1                     | 0.051            | 0.059             | 0.020             | 0.023              | 24.7                       | 0.059             | 0.023    |                    |
| ANT 7      | Head                     | QPSK    | Mode A        | 0         | Right Cheek      | 56207   | 3646.7      | 1             | 49        | 25.6                       | 24.0                     | 0.116            | 0.168             | 0.051             | 0.074              | 25.6                       | 0.168             | 0.074    |                    |
| ANT 7      | Head                     | QPSK    | Mode A        | 0         | Right Cheek      | 56207   | 3646.7      | 50            | 0         | 24.7                       | 24.1                     | 0.109            | 0.125             | 0.049             | 0.056              | 24.7                       | 0.125             | 0.056    |                    |
| ANT 7      | Head                     | QPSK    | Mode A        | 0         | Right Tilt       | 56207   | 3646.7      | 1             | 49        | 25.6                       | 24.0                     | 0.050            | 0.072             | 0.020             | 0.029              | 25.6                       | 0.072             | 0.029    |                    |
| ANT 7      | Head                     | QPSK    | Mode A        | 0         | Right Tilt       | 56207   | 3646.7      | 50            | 0         | 24.7                       | 24.1                     | 0.043            | 0.049             | 0.017             | 0.020              | 24.7                       | 0.049             | 0.020    |                    |
| ANT 7      | Body & Hotspot           | QPSK    | Mode B        | 5         | Back             | 55340   | 3560.0      | 1             | 49        | 24.0                       | 22.6                     | 0.617            | 0.852             | 0.234             | 0.323              | 23.2                       | 0.708             | 0.269    |                    |
| ANT 7      | Body & Hotspot           | QPSK    | Mode B        | 5         | Back             | 55340   | 3560.0      | 50            | 0         | 24.0                       | 22.6                     | 0.674            | 0.930             | 0.254             | 0.351              | 23.2                       | 0.774             | 0.292    |                    |
| ANT 7      | Body & Hotspot           | QPSK    | Mode B        | 5         | Back             | 55340   | 3560.0      | 100           | 0         | 24.0                       | 22.6                     | 0.707            | 0.976             | 0.266             | 0.367              | 23.2                       | 0.812             | 0.305    |                    |
| ANT 7      | Body & Hotspot           | QPSK    | Mode B        | 5         | Back             | 55773   | 3603.3      | 1             | 49        | 24.0                       | 22.3                     | 0.624            | 0.923             | 0.231             | 0.342              | 23.2                       | 0.768             | 0.284    |                    |
| ANT 7      | Body & Hotspot           | QPSK    | Mode B        | 5         | Back             | 55773   | 3603.3      | 50            | 0         | 24.0                       | 22.3                     | 0.654            | 0.967             | 0.242             | 0.358              | 23.2                       | 0.805             | 0.298    |                    |
| ANT 7      | Body & Hotspot           | QPSK    | Mode B        | 5         | Back             | 56207   | 3646.7      | 1             | 49        | 24.0                       | 22.6                     | 0.634            | 0.875             | 0.227             | 0.313              | 23.2                       | 0.728             | 0.261    |                    |
| ANT 7      | Body & Hotspot           | QPSK    | Mode B        | 5         | Back             | 56207   | 3646.7      | 50            | 0         | 24.0                       | 22.6                     | 0.666            | 0.919             | 0.240             | 0.331              | 23.2                       | 0.765             | 0.276    |                    |
| ANT 7      | Body & Hotspot           | QPSK    | Mode B        | 5         | Back             | 56640   | 3690.0      | 1             | 49        | 24.0                       | 22.4                     | 0.595            | 0.860             | 0.205             | 0.296              | 23.2                       | 0.715             | 0.246    |                    |
| ANT 7      | Body & Hotspot           | QPSK    | Mode B        | 5         | Back             | 56640   | 3690.0      | 50            | 24        | 24.0                       | 22.4                     | 0.642            | 0.928             | 0.219             | 0.317              | 23.2                       | 0.772             | 0.263    |                    |
| ANT 7      | Body & Hotspot           | QPSK    | Mode B        | 5         | Front            | 56207   | 3646.7      | 1             | 49        | 24.0                       | 22.6                     | 0.316            | 0.436             | 0.121             | 0.167              | 23.2                       | 0.363             | 0.139    |                    |
| ANT 7      | Body & Hotspot           | QPSK    | Mode B        | 5         | Front            | 56207   | 3646.7      | 50            | 0         | 24.0                       | 22.6                     | 0.317            | 0.438             | 0.122             | 0.168              | 23.2                       | 0.364             | 0.140    |                    |
| ANT 7      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 55340   | 3560.0      | 1             | 0         | 23.5                       | 22.6                     | 0.829            | 1.020             | 0.301             | 0.370              | 22.7                       | 0.848             | 0.308    |                    |
| ANT 7      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 55340   | 3560.0      | 50            | 0         | 23.5                       | 22.6                     | 0.901            | 1.108             | 0.325             | 0.400              | 22.7                       | 0.922             | 0.333    |                    |
| ANT 7      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 55340   | 3560.0      | 100           | 0         | 23.5                       | 22.6                     | 0.903            | 1.111             | 0.322             | 0.396              | 22.7                       | 0.924             | 0.330    |                    |
| ANT 7      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 55773   | 3603.3      | 1             | 49        | 24.0                       | 22.3                     | 0.611            | 0.904             | 0.213             | 0.315              | 23.2                       | 0.752             | 0.262    |                    |
| ANT 7      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 55773   | 3603.3      | 50            | 0         | 24.0                       | 22.3                     | 0.604            | 0.893             | 0.212             | 0.314              | 23.2                       | 0.743             | 0.261    |                    |
| ANT 7      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 56207   | 3646.7      | 1             | 49        | 24.0                       | 22.6                     | 0.673            | 0.929             | 0.246             | 0.340              | 23.2                       | 0.773             | 0.282    |                    |
| ANT 7      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 56207   | 3646.7      | 50            | 0         | 24.0                       | 22.6                     | 0.718            | 0.991             | 0.260             | 0.359              | 23.2                       | 0.824             | 0.299    |                    |
| ANT 7      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 56640   | 3690.0      | 1             | 49        | 24.0                       | 22.4                     | 0.490            | 0.708             | 0.171             | 0.247              | 23.2                       | 0.589             | 0.206    |                    |
| ANT 7      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Right       | 56640   | 3690.0      | 50            | 24        | 24.0                       | 22.4                     | 0.483            | 0.698             | 0.169             | 0.244              | 23.2                       | 0.581             | 0.203    |                    |
| ANT 7      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Bottom      | 56207   | 3646.7      | 1             | 49        | 24.0                       | 22.6                     | 0.221            | 0.305             | 0.071             | 0.098              | 23.2                       | 0.254             | 0.082    |                    |
| ANT 7      | Hotspot                  | QPSK    | Mode B        | 5         | Edge Bottom      | 56207   | 3646.7      | 50            | 0         | 24.0                       | 22.6                     | 0.233            | 0.322             | 0.075             | 0.104              | 23.2                       | 0.268             | 0.086    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                    |                  |                   |                   | Power State 2      |                      |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 56207   | 3646.7      | 1             | 49        | 25.7                 | 23.9               | 0.273            | 0.413             | 0.103             | 0.156              | 25.7                 | 0.413             | 0.156    |                    |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 56207   | 3646.7      | 50            | 0         | 24.7                 | 23.8               | 0.247            | 0.304             | 0.091             | 0.112              | 24.7                 | 0.326             | 0.120    |                    |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 56207   | 3646.7      | 1             | 49        | 25.7                 | 23.9               | 0.339            | 0.513             | 0.124             | 0.188              | 25.7                 | 0.513             | 0.188    |                    |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 56207   | 3646.7      | 50            | 0         | 24.7                 | 23.8               | 0.315            | 0.388             | 0.114             | 0.140              | 24.7                 | 0.415             | 0.150    |                    |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 56207   | 3646.7      | 1             | 49        | 25.7                 | 23.9               | 0.443            | 0.671             | 0.179             | 0.271              | 25.7                 | 0.671             | 0.271    |                    |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 56207   | 3646.7      | 50            | 0         | 24.7                 | 23.8               | 0.412            | 0.507             | 0.169             | 0.208              | 24.7                 | 0.543             | 0.223    |                    |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 55340   | 3560.0      | 1             | 49        | 25.7                 | 23.8               | 0.522            | 0.808             | 0.189             | 0.293              | 25.7                 | 0.827             | 0.300    |                    |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 55340   | 3560.0      | 50            | 24        | 24.7                 | 23.8               | 0.520            | 0.640             | 0.176             | 0.217              | 24.7                 | 0.701             | 0.237    |                    |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 55773   | 3603.3      | 1             | 49        | 25.7                 | 23.8               | 0.537            | 0.832             | 0.200             | 0.310              | 25.7                 | 0.832             | 0.310    |                    |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 55773   | 3603.3      | 50            | 0         | 24.7                 | 23.7               | 0.390            | 0.491             | 0.154             | 0.194              | 24.7                 | 0.526             | 0.208    |                    |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 56207   | 3646.7      | 1             | 49        | 25.7                 | 23.9               | 0.591            | 0.895             | 0.222             | 0.336              | 25.7                 | 0.895             | 0.336    |                    |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 56207   | 3646.7      | 50            | 0         | 24.7                 | 23.8               | 0.519            | 0.639             | 0.200             | 0.246              | 24.7                 | 0.684             | 0.264    |                    |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 56640   | 3690.0      | 1             | 49        | 25.7                 | 23.9               | 0.419            | 0.634             | 0.157             | 0.238              | 25.7                 | 0.634             | 0.238    |                    |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 56640   | 3690.0      | 50            | 0         | 24.7                 | 23.9               | 0.332            | 0.399             | 0.130             | 0.156              | 24.7                 | 0.428             | 0.167    |                    |
| ANT 8      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 56640   | 3690.0      | 100           | 0         | 24.7                 | 23.7               | 0.324            | 0.408             | 0.129             | 0.162              | 24.7                 | 0.408             | 0.162    |                    |
| ANT 8      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 55340   | 3560.0      | 1             | 49        | 22.3                 | 20.5               | 0.613            | 0.928             | 0.241             | 0.365              | 21.5                 | 0.827             | 0.325    |                    |
| ANT 8      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 55340   | 3560.0      | 50            | 0         | 22.3                 | 20.9               | 0.607            | 0.838             | 0.224             | 0.309              | 21.5                 | 0.697             | 0.257    |                    |
| ANT 8      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 55773   | 3603.3      | 1             | 49        | 22.3                 | 20.4               | 0.547            | 0.847             | 0.213             | 0.330              | 21.5                 | 0.755             | 0.294    |                    |
| ANT 8      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 55773   | 3603.3      | 50            | 0         | 22.3                 | 20.8               | 0.559            | 0.790             | 0.221             | 0.312              | 21.5                 | 0.657             | 0.260    |                    |
| ANT 8      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 56207   | 3646.7      | 1             | 49        | 22.3                 | 20.6               | 0.694            | 1.027             | 0.273             | 0.404              | 21.5                 | 0.915             | 0.360    |                    |
| ANT 8      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 56207   | 3646.7      | 50            | 0         | 22.3                 | 21.0               | 0.750            | 1.012             | 0.294             | 0.397              | 21.5                 | 0.842             | 0.330    |                    |
| ANT 8      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 56640   | 3690.0      | 1             | 49        | 22.3                 | 20.7               | 0.678            | 0.980             | 0.264             | 0.382              | 21.5                 | 0.873             | 0.340    |                    |
| ANT 8      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 56640   | 3690.0      | 50            | 0         | 22.3                 | 21.0               | 0.686            | 0.925             | 0.266             | 0.359              | 21.5                 | 0.770             | 0.298    |                    |
| ANT 8      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 56640   | 3690.0      | 100           | 0         | 22.3                 | 21.0               | 0.882            | 1.190             | 0.357             | 0.482              | 21.5                 | 0.990             | 0.401    | 43                 |
| ANT 8      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 56207   | 3646.7      | 1             | 49        | 22.3                 | 20.3               | 0.093            | 0.147             | 0.031             | 0.049              | 21.5                 | 0.123             | 0.041    |                    |
| ANT 8      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 56207   | 3646.7      | 50            | 0         | 22.3                 | 21.0               | 0.102            | 0.138             | 0.034             | 0.046              | 21.5                 | 0.114             | 0.038    |                    |
| ANT 8      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 56207   | 3646.7      | 1             | 49        | 22.3                 | 20.3               | 0.143            | 0.227             | 0.053             | 0.084              | 21.5                 | 0.189             | 0.070    |                    |
| ANT 8      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 56207   | 3646.7      | 50            | 0         | 22.3                 | 21.0               | 0.153            | 0.206             | 0.056             | 0.076              | 21.5                 | 0.172             | 0.063    |                    |
| ANT 8      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 56207   | 3646.7      | 1             | 49        | 22.3                 | 20.3               | 0.102            | 0.162             | 0.031             | 0.049              | 21.5                 | 0.134             | 0.041    |                    |
| ANT 8      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 56207   | 3646.7      | 50            | 0         | 22.3                 | 21.0               | 0.102            | 0.138             | 0.039             | 0.053              | 21.5                 | 0.114             | 0.044    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                    |                  |                   | Power State 2     |                    |                      | Plot No. |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|----------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 9      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 56207   | 3646.7      | 1             | 49        | 23.7                 | 22.4               | 0.271            | 0.366             | 0.119             | 0.161              | 23.4                 | 0.341    | 0.150             |                    |
| ANT 9      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 56207   | 3646.7      | 50            | 0         | 23.7                 | 22.7               | 0.272            | 0.342             | 0.119             | 0.150              | 23.4                 | 0.320    | 0.140             |                    |
| ANT 9      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 56207   | 3646.7      | 1             | 49        | 23.7                 | 22.4               | 0.076            | 0.103             | 0.032             | 0.043              | 23.4                 | 0.096    | 0.040             |                    |
| ANT 9      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 56207   | 3646.7      | 50            | 0         | 23.7                 | 22.7               | 0.075            | 0.094             | 0.032             | 0.040              | 23.4                 | 0.088    | 0.038             |                    |
| ANT 9      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 56207   | 3646.7      | 1             | 49        | 23.7                 | 22.4               | 0.151            | 0.204             | 0.072             | 0.097              | 23.4                 | 0.190    | 0.091             |                    |
| ANT 9      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 56207   | 3646.7      | 50            | 0         | 23.7                 | 22.7               | 0.135            | 0.170             | 0.064             | 0.081              | 23.4                 | 0.159    | 0.075             |                    |
| ANT 9      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 56207   | 3646.7      | 1             | 49        | 23.7                 | 22.4               | 0.150            | 0.202             | 0.065             | 0.088              | 23.4                 | 0.189    | 0.082             |                    |
| ANT 9      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 56207   | 3646.7      | 50            | 0         | 23.7                 | 22.7               | 0.131            | 0.165             | 0.056             | 0.070              | 23.4                 | 0.154    | 0.066             |                    |
| ANT 9      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 56207   | 3646.7      | 1             | 49        | 21.5                 | 21.0               | 0.487            | 0.546             | 0.191             | 0.214              | 20.7                 | 0.454    | 0.178             |                    |
| ANT 9      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 56207   | 3646.7      | 50            | 0         | 21.5                 | 21.4               | 0.511            | 0.523             | 0.202             | 0.207              | 20.7                 | 0.435    | 0.172             |                    |
| ANT 9      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 56207   | 3646.7      | 1             | 49        | 21.5                 | 21.0               | 0.350            | 0.393             | 0.130             | 0.146              | 20.7                 | 0.327    | 0.121             |                    |
| ANT 9      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 56207   | 3646.7      | 50            | 0         | 21.5                 | 21.4               | 0.372            | 0.381             | 0.136             | 0.139              | 20.7                 | 0.317    | 0.116             |                    |
| ANT 9      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 56207   | 3646.7      | 1             | 49        | 21.5                 | 21.0               | 0.334            | 0.375             | 0.125             | 0.140              | 20.7                 | 0.312    | 0.117             |                    |
| ANT 9      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 56207   | 3646.7      | 50            | 0         | 21.5                 | 21.4               | 0.352            | 0.360             | 0.133             | 0.136              | 20.7                 | 0.300    | 0.113             |                    |
| ANT 9      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 55340   | 3560.0      | 1             | 49        | 21.5                 | 20.7               | 0.664            | 0.798             | 0.250             | 0.301              | 20.7                 | 0.664    | 0.250             |                    |
| ANT 9      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 55773   | 3603.3      | 1             | 49        | 21.5                 | 20.7               | 0.692            | 0.832             | 0.262             | 0.315              | 20.7                 | 0.692    | 0.262             |                    |
| ANT 9      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 56207   | 3646.7      | 1             | 49        | 21.5                 | 21.0               | 0.769            | 0.863             | 0.290             | 0.325              | 20.7                 | 0.718    | 0.271             |                    |
| ANT 9      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 56207   | 3646.7      | 50            | 0         | 21.5                 | 21.4               | 0.765            | 0.783             | 0.287             | 0.294              | 20.7                 | 0.651    | 0.244             |                    |
| ANT 9      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 56640   | 3690.0      | 1             | 49        | 21.5                 | 20.8               | 0.842            | 0.989             | 0.315             | 0.370              | 20.7                 | 0.823    | 0.308             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                    |                  |                   |                   | Power State 2      |                      |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 55340   | 3560.0      | 1             | 49        | 20.5                 | 20.0               | 0.921            | 1.033             | 0.336             | 0.377              | 19.7                 | 0.860             | 0.314    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 55340   | 3560.0      | 50            | 50        | 20.5                 | 20.0               | 1.060            | <b>1.189</b>      | 0.378             | 0.424              | 19.7                 | <b>0.989</b>      | 0.353    | 44                 |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 55340   | 3560.0      | 100           | 0         | 20.5                 | 20.1               | 0.968            | 1.061             | 0.347             | 0.380              | 19.7                 | 0.883             | 0.316    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 55773   | 3603.3      | 1             | 49        | 20.5                 | 19.8               | 0.817            | 0.960             | 0.297             | 0.349              | 19.7                 | 0.798             | 0.290    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 55773   | 3603.3      | 50            | 24        | 20.5                 | 20.1               | 0.848            | 0.930             | 0.309             | 0.339              | 19.7                 | 0.773             | 0.282    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 56207   | 3646.7      | 1             | 0         | 20.5                 | 19.9               | 0.822            | 0.944             | 0.302             | 0.347              | 19.7                 | 0.785             | 0.288    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 56207   | 3646.7      | 50            | 50        | 20.5                 | 20.1               | 0.882            | 0.967             | 0.316             | 0.346              | 19.7                 | 0.804             | 0.288    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 56640   | 3690.0      | 1             | 0         | 20.5                 | 19.8               | 0.683            | 0.802             | 0.244             | 0.287              | 19.7                 | 0.667             | 0.238    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 56640   | 3690.0      | 50            | 24        | 20.5                 | 20.1               | 0.735            | 0.806             | 0.266             | 0.292              | 19.7                 | 0.670             | 0.243    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 56207   | 3646.7      | 1             | 0         | 20.5                 | 19.9               | 0.312            | 0.358             | 0.119             | 0.137              | 19.7                 | 0.298             | 0.114    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 56207   | 3646.7      | 50            | 50        | 20.5                 | 20.1               | 0.368            | 0.404             | 0.140             | 0.154              | 19.7                 | 0.336             | 0.128    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 56207   | 3646.7      | 1             | 0         | 20.5                 | 19.9               | 0.167            | 0.192             | 0.078             | 0.090              | 19.7                 | 0.159             | 0.074    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 56207   | 3646.7      | 50            | 50        | 20.5                 | 20.1               | 0.182            | 0.200             | 0.084             | 0.092              | 19.7                 | 0.166             | 0.077    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 56207   | 3646.7      | 1             | 0         | 20.5                 | 19.9               | 0.129            | 0.148             | 0.051             | 0.059              | 19.7                 | 0.123             | 0.049    |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 56207   | 3646.7      | 50            | 50        | 20.5                 | 20.1               | 0.144            | 0.158             | 0.056             | 0.061              | 19.7                 | 0.131             | 0.051    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 56207   | 3646.7      | 1             | 49        | 22.4                 | 20.8               | 0.425            | 0.614             | 0.162             | 0.234              | 21.6                 | 0.523             | 0.199    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 56207   | 3646.7      | 50            | 50        | 22.4                 | 20.7               | 0.450            | 0.666             | 0.172             | 0.254              | 21.6                 | 0.554             | 0.212    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 56207   | 3646.7      | 1             | 49        | 22.4                 | 20.7               | 0.356            | 0.527             | 0.138             | 0.204              | 21.6                 | 0.438             | 0.170    |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 56207   | 3646.7      | 50            | 50        | 22.4                 | 20.7               | 0.371            | 0.549             | 0.143             | 0.212              | 21.6                 | 0.456             | 0.176    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 56207   | 3646.7      | 1             | 49        | 22.4                 | 20.7               | 0.092            | 0.136             | 0.041             | 0.061              | 21.6                 | 0.113             | 0.050    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 56207   | 3646.7      | 50            | 50        | 22.4                 | 20.7               | 0.095            | 0.141             | 0.043             | 0.064              | 21.6                 | 0.117             | 0.053    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 55340   | 3560.0      | 1             | 49        | 22.4                 | 20.7               | 0.785            | 1.161             | 0.291             | 0.430              | 21.6                 | 0.966             | 0.358    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 55340   | 3560.0      | 50            | 0         | 22.4                 | 20.6               | 0.791            | <b>1.197</b>      | 0.294             | 0.445              | 21.6                 | <b>0.996</b>      | 0.370    | 45                 |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 55773   | 3603.3      | 1             | 49        | 22.4                 | 20.6               | 0.693            | 1.049             | 0.256             | 0.387              | 21.6                 | 0.872             | 0.322    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 55773   | 3603.3      | 50            | 50        | 22.4                 | 20.8               | 0.746            | 1.078             | 0.275             | 0.397              | 21.6                 | 0.897             | 0.331    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 55773   | 3603.3      | 100           | 0         | 22.4                 | 20.8               | 0.751            | 1.086             | 0.281             | 0.406              | 21.6                 | 0.903             | 0.338    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 56207   | 3646.7      | 1             | 49        | 22.4                 | 20.7               | 0.678            | 1.003             | 0.252             | 0.373              | 21.6                 | 0.834             | 0.310    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 56207   | 3646.7      | 50            | 50        | 22.4                 | 20.7               | 0.723            | 1.069             | 0.268             | 0.396              | 21.6                 | 0.889             | 0.330    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 56640   | 3690.0      | 1             | 49        | 22.4                 | 20.5               | 0.599            | 0.928             | 0.223             | 0.345              | 21.6                 | 0.772             | 0.287    |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 56640   | 3690.0      | 50            | 24        | 22.4                 | 20.7               | 0.640            | 0.947             | 0.237             | 0.351              | 21.6                 | 0.787             | 0.292    |                    |

**UL CA 48C**

| Ant   | RF Exposure Conditions | Mode | Power Mode | Dist. (mm) | Test Position(s) | PCC UL |             |               |           | SCC UL |             |               |           | Power (dBm)          |       | Standalone           |                       |                       |                        | Power (dBm) | Simultaneous         |                       | Plot No. |                        |
|-------|------------------------|------|------------|------------|------------------|--------|-------------|---------------|-----------|--------|-------------|---------------|-----------|----------------------|-------|----------------------|-----------------------|-----------------------|------------------------|-------------|----------------------|-----------------------|----------|------------------------|
|       |                        |      |            |            |                  | Ch #.  | Freq. (MHz) | RB Allocation | RB Offset | Ch #.  | Freq. (MHz) | RB Allocation | RB Offset | Maximum Output Power | Meas. | Meas. 1-g SAR (W/kg) | Scaled 1-g SAR (W/kg) | Meas. 10-g SAR (W/kg) | Scaled 10-g SAR (W/kg) |             | Maximum Output Power | Scaled 1-g SAR (W/kg) |          | Scaled 10-g SAR (W/kg) |
|       |                        |      |            |            |                  |        |             |               |           |        |             |               |           |                      |       |                      |                       |                       |                        |             |                      |                       |          |                        |
| ANT 7 | Head                   | QPSK | Mode A     | 0          | Right Cheek      | 55891  | 3615.1      | 1             | 99        | 56089  | 3634.9      | 1             | 0         | 24.7                 | 24.0  | 0.060                | 0.070                 | 0.023                 | 0.027                  | 24.7        | 0.070                | 0.027                 | -        |                        |
|       | Body & Hotspot         | QPSK | Mode B     | 5          | Back             | 55891  | 3615.1      | 1             | 99        | 56089  | 3634.9      | 1             | 0         | 24.0                 | 22.5  | 0.512                | 0.723                 | 0.185                 | 0.261                  | 23.2        | 0.602                | 0.217                 | -        |                        |
|       | Hotspot                | QPSK | Mode B     | 5          | Edge Right       | 55340  | 3560        | 1             | 99        | 55538  | 3579.8      | 1             | 0         | 24.0                 | 22.3  | 0.684                | 1.012                 | 0.246                 | 0.364                  | 23.2        | 0.842                | 0.303                 | -        |                        |
| ANT 8 | Head                   | QPSK | Mode A     | 0          | Right Tilt       | 55891  | 3615.1      | 1             | 99        | 56089  | 3634.9      | 1             | 0         | 24.7                 | 23.7  | 0.471                | 0.593                 | 0.186                 | 0.234                  | 24.7        | 0.593                | 0.234                 | -        |                        |
|       | Body & Hotspot         | QPSK | Mode B     | 5          | Back             | 56442  | 3670.2      | 1             | 99        | 56640  | 3690        | 1             | 0         | 22.3                 | 20.8  | 0.703                | 0.993                 | 0.279                 | 0.394                  | 21.5        | 0.826                | 0.328                 | -        |                        |
|       | Hotspot                | QPSK | Mode B     | 5          | Edge Left        | 56442  | 3670.2      | 1             | 99        | 56640  | 3690        | 1             | 0         | 21.5                 | 20.2  | 0.468                | 0.631                 | 0.175                 | 0.236                  | 20.7        | 0.525                | 0.196                 | -        |                        |
| ANT 9 | Head                   | QPSK | Mode A     | 0          | Left Cheek       | 55891  | 3615.1      | 1             | 99        | 56089  | 3634.9      | 1             | 0         | 23.7                 | 23.2  | 0.142                | 0.159                 | 0.066                 | 0.074                  | 23.4        | 0.149                | 0.069                 | -        |                        |
|       | Body & Hotspot         | QPSK | Mode B     | 5          | Back             | 55891  | 3615.1      | 1             | 99        | 56089  | 3634.9      | 1             | 0         | 21.5                 | 20.2  | 0.369                | 0.498                 | 0.149                 | 0.201                  | 20.7        | 0.414                | 0.167                 | -        |                        |
|       | Hotspot                | QPSK | Mode B     | 5          | Edge Left        | 56442  | 3670.2      | 1             | 99        | 56640  | 3690        | 1             | 0         | 21.5                 | 20.2  | 0.468                | 0.631                 | 0.175                 | 0.236                  | 20.7        | 0.525                | 0.196                 | -        |                        |
| ANT 4 | Head                   | QPSK | Mode A     | 0          | Left Cheek       | 55340  | 3560        | 1             | 99        | 55538  | 3579.8      | 1             | 0         | 20.5                 | 18.8  | 0.709                | 1.049                 | 0.256                 | 0.379                  | 19.7        | 0.872                | 0.315                 | -        |                        |
|       | Body & Hotspot         | QPSK | Mode B     | 5          | Front            | 55891  | 3615.1      | 1             | 99        | 56089  | 3634.9      | 1             | 0         | 22.4                 | 21.1  | 0.381                | 0.514                 | 0.151                 | 0.204                  | 21.6        | 0.427                | 0.169                 | -        |                        |
|       | Hotspot                | QPSK | Mode B     | 5          | Edge Right       | 55340  | 3560        | 1             | 99        | 55538  | 3579.8      | 1             | 0         | 22.4                 | 21.2  | 0.835                | 1.101                 | 0.315                 | 0.415                  | 21.6        | 0.916                | 0.345                 | -        |                        |

**Note(s):**

PCC RB allocation setting for UL CA has been adjusted based on the worst-case power.  
 Additional SAR for UL CA PC2 is not required. Test reduction has been applied based on standalone SAR.

**10.17. LTE Band 53 (10MHz Bandwidth)**

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 60197   | 2489.2      | 1             | 25        | 20.7                       | 19.7                     | 0.125            | 0.157             | 0.066             | 0.083              | 20.7                       | 0.157             | 0.083    |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 60197   | 2489.2      | 25            | 0         | 20.7                       | 19.7                     | 0.114            | 0.144             | 0.060             | 0.076              | 20.7                       | 0.144             | 0.076    |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 60197   | 2489.2      | 1             | 25        | 20.7                       | 19.7                     | 0.145            | 0.183             | 0.076             | 0.096              | 20.7                       | 0.183             | 0.096    |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 60197   | 2489.2      | 25            | 0         | 20.7                       | 19.7                     | 0.128            | 0.161             | 0.067             | 0.084              | 20.7                       | 0.161             | 0.084    |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 60197   | 2489.2      | 1             | 25        | 20.7                       | 19.7                     | 0.246            | 0.310             | 0.135             | 0.170              | 20.7                       | 0.310             | 0.170    |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 60197   | 2489.2      | 25            | 0         | 20.7                       | 19.7                     | 0.190            | 0.239             | 0.104             | 0.131              | 20.7                       | 0.239             | 0.131    |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 60197   | 2489.2      | 1             | 25        | 20.7                       | 19.7                     | 0.091            | 0.115             | 0.050             | 0.063              | 20.7                       | 0.115             | 0.063    |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 60197   | 2489.2      | 25            | 0         | 20.7                       | 19.7                     | 0.090            | 0.113             | 0.049             | 0.062              | 20.7                       | 0.113             | 0.062    |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 60197   | 2489.2      | 1             | 25        | 20.7                       | 19.7                     | 0.578            | 0.728             | 0.271             | 0.341              | 20.7                       | 0.728             | 0.341    |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 60197   | 2489.2      | 25            | 25        | 20.7                       | 19.7                     | 0.593            | 0.747             | 0.277             | 0.349              | 20.7                       | 0.747             | 0.349    |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 60197   | 2489.2      | 1             | 25        | 20.7                       | 19.7                     | 0.531            | 0.668             | 0.244             | 0.307              | 20.7                       | 0.668             | 0.307    |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 60197   | 2489.2      | 25            | 25        | 20.7                       | 19.7                     | 0.538            | 0.677             | 0.244             | 0.307              | 20.7                       | 0.677             | 0.307    |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 60197   | 2489.2      | 1             | 25        | 20.7                       | 19.7                     | 0.556            | 0.700             | 0.253             | 0.319              | 20.7                       | 0.700             | 0.319    |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 60197   | 2489.2      | 25            | 25        | 20.7                       | 19.7                     | 0.560            | <b>0.705</b>      | 0.249             | 0.313              | 20.7                       | <b>0.705</b>      | 0.313    | 46                 |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 60197   | 2489.2      | 1             | 25        | 20.7                       | 19.7                     | 0.535            | 0.674             | 0.231             | 0.291              | 20.7                       | 0.674             | 0.291    |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 60197   | 2489.2      | 25            | 25        | 20.7                       | 19.7                     | 0.545            | 0.686             | 0.236             | 0.297              | 20.7                       | 0.686             | 0.297    |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 60197   | 2489.2      | 1             | 25        | 20.7                       | 19.7                     | 0.006            | 0.008             | 0.003             | 0.004              | 20.7                       | 0.008             | 0.004    |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 60197   | 2489.2      | 25            | 25        | 20.7                       | 19.7                     | 0.006            | 0.008             | 0.002             | 0.003              | 20.7                       | 0.008             | 0.003    |                    |



| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                    |                  |                   | Power State 2     |                    |                      | Plot No. |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|----------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 60197   | 2489.2      | 1             | 0         | 20.3                 | 19.3               | 0.843            | 1.061             | 0.311             | 0.392              | 19.5                 | 0.883    | 0.326             | 47                 |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 60197   | 2489.2      | 25            | 0         | 20.3                 | 19.5               | 0.860            | 1.034             | 0.316             | 0.380              | 19.5                 | 0.860    | 0.316             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 60197   | 2489.2      | 50            | 0         | 20.3                 | 19.5               | 0.850            | 1.022             | 0.316             | 0.380              | 19.5                 | 0.850    | 0.316             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 60197   | 2489.2      | 1             | 0         | 20.3                 | 19.3               | 0.750            | 0.944             | 0.280             | 0.352              | 19.5                 | 0.785    | 0.293             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 60197   | 2489.2      | 25            | 0         | 20.3                 | 19.5               | 0.763            | 0.917             | 0.283             | 0.340              | 19.5                 | 0.763    | 0.283             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 60197   | 2489.2      | 50            | 0         | 20.3                 | 19.5               | 0.710            | 0.854             | 0.266             | 0.320              | 19.5                 | 0.710    | 0.266             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 60197   | 2489.2      | 1             | 0         | 20.3                 | 19.3               | 0.729            | 0.918             | 0.316             | 0.398              | 19.5                 | 0.763    | 0.331             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 60197   | 2489.2      | 25            | 0         | 20.3                 | 19.5               | 0.738            | 0.887             | 0.319             | 0.384              | 19.5                 | 0.738    | 0.319             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 60197   | 2489.2      | 50            | 0         | 20.3                 | 19.5               | 0.679            | 0.816             | 0.293             | 0.352              | 19.5                 | 0.679    | 0.293             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 60197   | 2489.2      | 1             | 0         | 20.3                 | 19.3               | 0.584            | 0.735             | 0.238             | 0.300              | 19.5                 | 0.612    | 0.249             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 60197   | 2489.2      | 25            | 0         | 20.3                 | 19.5               | 0.584            | 0.702             | 0.239             | 0.287              | 19.5                 | 0.584    | 0.239             |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 60197   | 2489.2      | 1             | 0         | 20.7                 | 19.9               | 0.639            | 0.768             | 0.255             | 0.307              | 20.4                 | 0.717    | 0.286             |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 60197   | 2489.2      | 25            | 0         | 20.7                 | 19.8               | 0.684            | 0.842             | 0.272             | 0.335              | 20.4                 | 0.785    | 0.312             | 48                 |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 60197   | 2489.2      | 50            | 0         | 20.7                 | 20.0               | 0.652            | 0.766             | 0.255             | 0.300              | 20.4                 | 0.715    | 0.280             |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 60197   | 2489.2      | 1             | 0         | 20.7                 | 19.9               | 0.411            | 0.494             | 0.172             | 0.207              | 20.4                 | 0.461    | 0.193             |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 60197   | 2489.2      | 25            | 0         | 20.7                 | 19.8               | 0.442            | 0.544             | 0.178             | 0.219              | 20.4                 | 0.507    | 0.204             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 60197   | 2489.2      | 1             | 0         | 20.7                 | 19.9               | 0.414            | 0.498             | 0.149             | 0.179              | 20.4                 | 0.465    | 0.167             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 60197   | 2489.2      | 25            | 0         | 20.7                 | 19.8               | 0.430            | 0.529             | 0.163             | 0.201              | 20.4                 | 0.494    | 0.187             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 60197   | 2489.2      | 1             | 0         | 20.7                 | 19.9               | 0.040            | 0.048             | 0.017             | 0.020              | 20.4                 | 0.045    | 0.019             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 60197   | 2489.2      | 25            | 0         | 20.7                 | 19.8               | 0.032            | 0.039             | 0.014             | 0.017              | 20.4                 | 0.037    | 0.016             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 60197   | 2489.2      | 1             | 0         | 20.7                 | 19.9               | 0.215            | 0.258             | 0.105             | 0.126              | 20.4                 | 0.241    | 0.118             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 60197   | 2489.2      | 25            | 0         | 20.7                 | 19.8               | 0.232            | 0.285             | 0.117             | 0.144              | 20.4                 | 0.266    | 0.134             |                    |

### 10.18. LTE Band 66 (20MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No. |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|----------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132322  | 1745.0      | 1             | 49        | 25.7                       | 25.2                     | 0.165            | 0.185             | 0.111             | 0.125              | 25.7                       | 0.185    | 0.125             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132322  | 1745.0      | 50            | 0         | 24.7                       | 24.2                     | 0.132            | 0.148             | 0.087             | 0.098              | 24.7                       | 0.148    | 0.098             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 132322  | 1745.0      | 1             | 49        | 25.7                       | 25.2                     | 0.106            | 0.119             | 0.067             | 0.075              | 25.7                       | 0.119    | 0.075             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 132322  | 1745.0      | 50            | 0         | 24.7                       | 24.2                     | 0.110            | 0.123             | 0.069             | 0.077              | 24.7                       | 0.123    | 0.077             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 132322  | 1745.0      | 1             | 49        | 25.7                       | 25.2                     | 0.305            | 0.342             | 0.197             | 0.221              | 25.7                       | 0.342    | 0.221             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 132322  | 1745.0      | 50            | 0         | 24.7                       | 24.2                     | 0.297            | 0.333             | 0.190             | 0.213              | 24.7                       | 0.333    | 0.213             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 132322  | 1745.0      | 1             | 49        | 25.7                       | 25.2                     | 0.081            | 0.091             | 0.054             | 0.061              | 25.7                       | 0.091    | 0.061             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 132322  | 1745.0      | 50            | 0         | 24.7                       | 24.2                     | 0.086            | 0.096             | 0.056             | 0.063              | 24.7                       | 0.096    | 0.063             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 132322  | 1745.0      | 1             | 49        | 19.6                       | 19.2                     | 0.611            | 0.670             | 0.313             | 0.343              | 18.8                       | 0.557    | 0.285             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 132322  | 1745.0      | 50            | 0         | 19.6                       | 19.3                     | 0.585            | 0.627             | 0.300             | 0.321              | 18.8                       | 0.521    | 0.267             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 132322  | 1745.0      | 1             | 49        | 19.6                       | 19.2                     | 0.448            | 0.491             | 0.225             | 0.247              | 18.8                       | 0.409    | 0.205             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 132322  | 1745.0      | 50            | 0         | 19.6                       | 19.3                     | 0.438            | 0.469             | 0.219             | 0.235              | 18.8                       | 0.390    | 0.195             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 132322  | 1745.0      | 1             | 49        | 19.6                       | 19.2                     | 0.269            | 0.295             | 0.130             | 0.143              | 18.8                       | 0.245    | 0.119             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 132322  | 1745.0      | 50            | 0         | 19.6                       | 19.3                     | 0.259            | 0.278             | 0.125             | 0.134              | 18.8                       | 0.231    | 0.111             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 132072  | 1720.0      | 1             | 49        | 19.6                       | 19.4                     | 0.919            | 0.962             | 0.444             | 0.465              | 18.8                       | 0.800    | 0.387             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 132072  | 1720.0      | 50            | 0         | 19.6                       | 19.4                     | 0.909            | 0.952             | 0.439             | 0.460              | 18.8                       | 0.792    | 0.382             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 132322  | 1745.0      | 1             | 49        | 19.6                       | 19.4                     | 0.925            | 0.969             | 0.449             | 0.470              | 18.8                       | 0.806    | 0.391             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 132322  | 1745.0      | 50            | 0         | 19.6                       | 19.2                     | 0.934            | 1.024             | 0.446             | 0.489              | 18.8                       | 0.852    | 0.407             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 132322  | 1745.0      | 100           | 0         | 19.6                       | 19.3                     | 0.904            | 0.969             | 0.431             | 0.462              | 18.8                       | 0.806    | 0.384             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 132572  | 1770.0      | 1             | 49        | 19.6                       | 18.9                     | 1.010            | 1.187             | 0.486             | 0.571              | 18.8                       | 0.987    | 0.475             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 132572  | 1770.0      | 50            | 0         | 19.6                       | 19.0                     | 1.000            | 1.148             | 0.479             | 0.550              | 18.8                       | 0.955    | 0.457             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 132322  | 1745.0      | 1             | 49        | 19.6                       | 19.2                     | 0.013            | 0.014             | 0.008             | 0.009              | 18.8                       | 0.012    | 0.007             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 132322  | 1745.0      | 50            | 0         | 19.6                       | 19.3                     | 0.013            | 0.014             | 0.007             | 0.008              | 18.8                       | 0.012    | 0.006             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                    |                  |                   | Power State 2     |                    |                      | Plot No.     |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|--------------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132072  | 1720.0      | 1             | 49        | 20.0                 | 19.0               | 0.859            | 1.081             | 0.408             | 0.514              | 19.2                 | 0.899        | 0.427             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132072  | 1720.0      | 50            | 24        | 20.0                 | 19.0               | 0.835            | 1.051             | 0.399             | 0.502              | 19.2                 | 0.874        | 0.418             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132072  | 1720.0      | 100           | 0         | 20.0                 | 19.1               | 0.839            | 1.032             | 0.400             | 0.492              | 19.2                 | 0.859        | 0.409             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132322  | 1745.0      | 1             | 49        | 20.0                 | 18.9               | 0.720            | 0.928             | 0.353             | 0.455              | 19.2                 | 0.771        | 0.378             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132322  | 1745.0      | 50            | 50        | 20.0                 | 18.8               | 0.681            | 0.898             | 0.331             | 0.436              | 19.2                 | 0.747        | 0.363             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132572  | 1770.0      | 1             | 49        | 20.0                 | 18.9               | 0.571            | 0.736             | 0.281             | 0.362              | 19.2                 | 0.612        | 0.301             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132572  | 1770.0      | 50            | 0         | 20.0                 | 18.9               | 0.595            | 0.767             | 0.290             | 0.374              | 19.2                 | 0.638        | 0.311             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 132322  | 1745.0      | 1             | 49        | 20.0                 | 18.9               | 0.620            | 0.799             | 0.295             | 0.380              | 19.2                 | 0.664        | 0.316             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 132322  | 1745.0      | 50            | 50        | 20.0                 | 18.8               | 0.599            | 0.790             | 0.278             | 0.366              | 19.2                 | 0.657        | 0.305             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 132072  | 1720.0      | 1             | 49        | 20.0                 | 19.0               | 0.918            | <b>1.156</b>      | 0.493             | 0.621              | 19.2                 | <b>0.961</b> | 0.516             | 49                 |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 132072  | 1720.0      | 50            | 24        | 20.0                 | 19.0               | 0.908            | 1.143             | 0.487             | 0.613              | 19.2                 | 0.951        | 0.510             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 132072  | 1720.0      | 100           | 0         | 20.0                 | 19.1               | 0.914            | 1.124             | 0.492             | 0.605              | 19.2                 | 0.935        | 0.503             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 132322  | 1745.0      | 1             | 49        | 20.0                 | 18.9               | 0.800            | 1.031             | 0.436             | 0.562              | 19.2                 | 0.857        | 0.467             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 132322  | 1745.0      | 50            | 50        | 20.0                 | 18.8               | 0.783            | 1.032             | 0.427             | 0.563              | 19.2                 | 0.859        | 0.468             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 132572  | 1770.0      | 1             | 49        | 20.0                 | 18.9               | 0.760            | 0.979             | 0.417             | 0.537              | 19.2                 | 0.814        | 0.447             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 132572  | 1770.0      | 50            | 0         | 20.0                 | 18.9               | 0.766            | 0.987             | 0.420             | 0.541              | 19.2                 | 0.821        | 0.450             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 132072  | 1720.0      | 1             | 49        | 20.0                 | 19.0               | 0.881            | 1.109             | 0.452             | 0.569              | 19.2                 | 0.923        | 0.473             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 132072  | 1720.0      | 50            | 24        | 20.0                 | 19.0               | 0.863            | 1.086             | 0.442             | 0.556              | 19.2                 | 0.904        | 0.463             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 132072  | 1720.0      | 100           | 0         | 20.0                 | 19.1               | 0.872            | 1.073             | 0.447             | 0.550              | 19.2                 | 0.892        | 0.457             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 132322  | 1745.0      | 1             | 49        | 20.0                 | 18.9               | 0.712            | 0.917             | 0.359             | 0.462              | 19.2                 | 0.763        | 0.385             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 132322  | 1745.0      | 50            | 50        | 20.0                 | 18.8               | 0.700            | 0.923             | 0.356             | 0.469              | 19.2                 | 0.768        | 0.390             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 132572  | 1770.0      | 1             | 49        | 20.0                 | 18.9               | 0.716            | 0.922             | 0.364             | 0.469              | 19.2                 | 0.767        | 0.390             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 132572  | 1770.0      | 50            | 0         | 20.0                 | 18.9               | 0.718            | 0.925             | 0.359             | 0.462              | 19.2                 | 0.769        | 0.385             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                    |                  |                   | Power State 2     |                    |                      | Plot No.     |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|--------------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 132072  | 1720.0      | 1             | 49        | 19.4                 | 17.9               | 0.721            | <b>1.018</b>      | 0.374             | 0.528              | 18.6                 | <b>0.847</b> | 0.439             | 50                 |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 132072  | 1720.0      | 50            | 24        | 19.4                 | 17.9               | 0.707            | 0.999             | 0.368             | 0.520              | 18.6                 | 0.831        | 0.432             |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 132072  | 1720.0      | 100           | 0         | 19.4                 | 17.9               | 0.715            | 1.010             | 0.372             | 0.525              | 18.6                 | 0.840        | 0.437             |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 132322  | 1745.0      | 1             | 49        | 19.4                 | 17.7               | 0.635            | 0.939             | 0.332             | 0.491              | 18.6                 | 0.781        | 0.408             |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 132322  | 1745.0      | 50            | 24        | 19.4                 | 17.7               | 0.643            | 0.951             | 0.336             | 0.497              | 18.6                 | 0.791        | 0.413             |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 132572  | 1770.0      | 1             | 49        | 19.4                 | 17.7               | 0.592            | 0.876             | 0.305             | 0.451              | 18.6                 | 0.728        | 0.375             |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 132572  | 1770.0      | 50            | 0         | 19.4                 | 17.8               | 0.589            | 0.851             | 0.303             | 0.438              | 18.6                 | 0.708        | 0.364             |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 132322  | 1745.0      | 1             | 49        | 19.4                 | 17.7               | 0.484            | 0.716             | 0.234             | 0.346              | 18.6                 | 0.595        | 0.288             |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 132322  | 1745.0      | 50            | 24        | 19.4                 | 17.7               | 0.481            | 0.711             | 0.231             | 0.342              | 18.6                 | 0.592        | 0.284             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 132072  | 1720.0      | 1             | 49        | 19.4                 | 17.9               | 0.843            | <b>1.191</b>      | 0.401             | 0.566              | 18.6                 | <b>0.990</b> | 0.471             | 51                 |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 132072  | 1720.0      | 50            | 24        | 19.4                 | 17.9               | 0.836            | 1.181             | 0.397             | 0.561              | 18.6                 | 0.982        | 0.466             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 132072  | 1720.0      | 100           | 0         | 19.4                 | 17.9               | 0.800            | 1.130             | 0.362             | 0.511              | 18.6                 | 0.940        | 0.425             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 132322  | 1745.0      | 1             | 49        | 19.4                 | 17.7               | 0.747            | 1.105             | 0.357             | 0.528              | 18.6                 | 0.919        | 0.439             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 132322  | 1745.0      | 50            | 24        | 19.4                 | 17.7               | 0.725            | 1.072             | 0.331             | 0.490              | 18.6                 | 0.892        | 0.407             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 132572  | 1770.0      | 1             | 49        | 19.4                 | 17.7               | 0.703            | 1.040             | 0.338             | 0.500              | 18.6                 | 0.865        | 0.416             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 132572  | 1770.0      | 50            | 0         | 19.4                 | 17.8               | 0.709            | 1.025             | 0.341             | 0.493              | 18.6                 | 0.852        | 0.410             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 132322  | 1745.0      | 1             | 49        | 19.4                 | 17.7               | 0.018            | 0.027             | 0.010             | 0.015              | 18.6                 | 0.022        | 0.012             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 132322  | 1745.0      | 50            | 24        | 19.4                 | 17.7               | 0.019            | 0.028             | 0.010             | 0.015              | 18.6                 | 0.023        | 0.012             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 132322  | 1745.0      | 1             | 49        | 19.4                 | 17.7               | 0.382            | 0.565             | 0.189             | 0.280              | 18.6                 | 0.470        | 0.233             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 132322  | 1745.0      | 50            | 24        | 19.4                 | 17.7               | 0.384            | 0.568             | 0.190             | 0.281              | 18.6                 | 0.472        | 0.234             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                    |                  |                   |                   | Power State 2      |                      |                   | Plot No. |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|-------------------|----------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132322  | 1745.0      | 1             | 49        | 24.2                 | 23.1               | 0.434            | 0.559             | 0.285             | 0.367              | 23.4                 | 0.465             | 0.305    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132322  | 1745.0      | 50            | 0         | 24.2                 | 23.0               | 0.511            | 0.674             | 0.325             | 0.428              | 23.4                 | 0.560             | 0.356    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 132322  | 1745.0      | 1             | 49        | 24.2                 | 23.1               | 0.208            | 0.268             | 0.139             | 0.179              | 23.4                 | 0.223             | 0.149    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 132322  | 1745.0      | 50            | 0         | 24.2                 | 23.0               | 0.235            | 0.310             | 0.149             | 0.196              | 23.4                 | 0.258             | 0.163    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 132322  | 1745.0      | 1             | 49        | 24.2                 | 23.1               | 0.190            | 0.245             | 0.132             | 0.170              | 23.4                 | 0.204             | 0.141    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 132322  | 1745.0      | 50            | 0         | 24.2                 | 23.0               | 0.203            | 0.268             | 0.137             | 0.181              | 23.4                 | 0.223             | 0.150    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 132322  | 1745.0      | 1             | 49        | 24.2                 | 23.1               | 0.139            | 0.179             | 0.097             | 0.125              | 23.4                 | 0.149             | 0.104    |                    |
| ANT 3      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 132322  | 1745.0      | 50            | 0         | 24.2                 | 23.0               | 0.149            | 0.196             | 0.100             | 0.132              | 23.4                 | 0.163             | 0.110    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 132322  | 1745.0      | 1             | 49        | 22.1                 | 20.8               | 0.523            | 0.706             | 0.294             | 0.397              | 21.3                 | 0.600             | 0.338    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 132322  | 1745.0      | 50            | 24        | 22.1                 | 20.9               | 0.530            | 0.699             | 0.298             | 0.393              | 21.3                 | 0.595             | 0.334    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 132322  | 1745.0      | 1             | 49        | 22.1                 | 20.8               | 0.500            | 0.674             | 0.281             | 0.379              | 21.3                 | 0.574             | 0.323    |                    |
| ANT 3      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 132322  | 1745.0      | 50            | 24        | 22.1                 | 20.9               | 0.499            | 0.658             | 0.281             | 0.370              | 21.3                 | 0.560             | 0.315    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 132322  | 1745.0      | 1             | 49        | 22.1                 | 20.8               | 0.483            | 0.652             | 0.215             | 0.290              | 21.3                 | 0.555             | 0.247    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 132322  | 1745.0      | 50            | 24        | 22.1                 | 20.9               | 0.430            | 0.567             | 0.191             | 0.252              | 21.3                 | 0.482             | 0.214    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 132072  | 1720.0      | 1             | 49        | 22.1                 | 20.8               | 0.799            | 1.078             | 0.414             | 0.558              | 21.3                 | 0.917             | 0.475    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 132072  | 1720.0      | 50            | 0         | 22.1                 | 20.9               | 0.803            | 1.059             | 0.415             | 0.547              | 21.3                 | 0.901             | 0.466    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 132322  | 1745.0      | 1             | 49        | 22.1                 | 20.8               | 0.858            | 1.157             | 0.450             | 0.607              | 21.3                 | 0.985             | 0.517    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 132322  | 1745.0      | 50            | 24        | 22.1                 | 20.9               | 0.857            | 1.130             | 0.450             | 0.593              | 21.3                 | 0.962             | 0.505    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 132322  | 1745.0      | 100           | 0         | 22.1                 | 20.9               | 0.868            | 1.144             | 0.454             | 0.598              | 21.3                 | 0.974             | 0.509    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 132572  | 1770.0      | 1             | 49        | 22.1                 | 20.8               | 0.793            | 1.070             | 0.407             | 0.549              | 21.3                 | 0.910             | 0.467    |                    |
| ANT 3      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 132572  | 1770.0      | 50            | 0         | 22.1                 | 20.8               | 0.772            | 1.041             | 0.398             | 0.537              | 21.3                 | 0.886             | 0.457    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                    |                  |                   | Power State 2     |                    |                      | Plot No. |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|----------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132072  | 1720.0      | 1             | 49        | 20.0                 | 18.3               | 0.657            | 0.972             | 0.333             | 0.493              | 19.2                 | 0.808    | 0.410             |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132072  | 1720.0      | 50            | 0         | 20.0                 | 18.5               | 0.643            | 0.908             | 0.327             | 0.462              | 19.2                 | 0.755    | 0.384             |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132322  | 1745.0      | 1             | 49        | 20.0                 | 18.4               | 0.652            | 0.942             | 0.330             | 0.477              | 19.2                 | 0.784    | 0.397             |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132322  | 1745.0      | 50            | 50        | 20.0                 | 18.5               | 0.666            | 0.941             | 0.332             | 0.469              | 19.2                 | 0.782    | 0.390             |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132322  | 1745.0      | 100           | 0         | 20.0                 | 18.5               | 0.667            | 0.942             | 0.336             | 0.475              | 19.2                 | 0.784    | 0.395             |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132572  | 1770.0      | 1             | 49        | 20.0                 | 18.5               | 0.655            | 0.925             | 0.328             | 0.463              | 19.2                 | 0.770    | 0.385             |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 132572  | 1770.0      | 50            | 0         | 20.0                 | 18.4               | 0.667            | 0.964             | 0.333             | 0.481              | 19.2                 | 0.802    | 0.400             |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 132322  | 1745.0      | 1             | 49        | 20.0                 | 18.4               | 0.384            | 0.555             | 0.191             | 0.276              | 19.2                 | 0.462    | 0.230             |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 132322  | 1745.0      | 50            | 50        | 20.0                 | 18.5               | 0.378            | 0.534             | 0.187             | 0.264              | 19.2                 | 0.444    | 0.220             |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 132322  | 1745.0      | 1             | 49        | 20.0                 | 18.4               | 0.274            | 0.396             | 0.158             | 0.228              | 19.2                 | 0.329    | 0.190             |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 132322  | 1745.0      | 50            | 50        | 20.0                 | 18.5               | 0.281            | 0.397             | 0.161             | 0.227              | 19.2                 | 0.330    | 0.189             |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 132322  | 1745.0      | 1             | 49        | 20.0                 | 18.4               | 0.161            | 0.233             | 0.091             | 0.132              | 19.2                 | 0.194    | 0.109             |                    |
| ANT 4      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 132322  | 1745.0      | 50            | 50        | 20.0                 | 18.5               | 0.157            | 0.222             | 0.089             | 0.126              | 19.2                 | 0.184    | 0.105             |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 132322  | 1745.0      | 1             | 49        | 21.8                 | 20.2               | 0.528            | 0.763             | 0.285             | 0.412              | 21.0                 | 0.635    | 0.343             |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 132322  | 1745.0      | 50            | 0         | 21.8                 | 20.3               | 0.536            | 0.757             | 0.289             | 0.408              | 21.0                 | 0.630    | 0.340             |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 132322  | 1745.0      | 1             | 49        | 21.8                 | 20.2               | 0.417            | 0.603             | 0.236             | 0.341              | 21.0                 | 0.501    | 0.284             |                    |
| ANT 4      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 132322  | 1745.0      | 50            | 0         | 21.8                 | 20.3               | 0.421            | 0.595             | 0.238             | 0.336              | 21.0                 | 0.495    | 0.280             |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 132322  | 1745.0      | 1             | 49        | 21.8                 | 20.2               | 0.061            | 0.088             | 0.034             | 0.049              | 21.0                 | 0.073    | 0.041             |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 132322  | 1745.0      | 50            | 0         | 21.8                 | 20.3               | 0.059            | 0.083             | 0.033             | 0.047              | 21.0                 | 0.069    | 0.039             |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 132072  | 1720.0      | 1             | 49        | 21.8                 | 20.2               | 0.661            | 0.955             | 0.333             | 0.481              | 21.0                 | 0.795    | 0.400             |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 132072  | 1720.0      | 50            | 0         | 21.8                 | 20.2               | 0.653            | 0.944             | 0.329             | 0.476              | 21.0                 | 0.785    | 0.396             |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 132322  | 1745.0      | 1             | 49        | 21.8                 | 20.2               | 0.691            | 0.999             | 0.347             | 0.502              | 21.0                 | 0.831    | 0.417             |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 132322  | 1745.0      | 50            | 0         | 21.8                 | 20.3               | 0.686            | 0.969             | 0.344             | 0.486              | 21.0                 | 0.806    | 0.404             |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 132322  | 1745.0      | 100           | 0         | 21.8                 | 20.3               | 0.686            | 0.969             | 0.343             | 0.485              | 21.0                 | 0.806    | 0.403             |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 132572  | 1770.0      | 1             | 49        | 21.8                 | 20.3               | 0.645            | 0.911             | 0.321             | 0.453              | 21.0                 | 0.758    | 0.377             |                    |
| ANT 4      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 132572  | 1770.0      | 50            | 0         | 21.8                 | 20.3               | 0.651            | 0.920             | 0.322             | 0.455              | 21.0                 | 0.765    | 0.378             |                    |

### 10.19. LTE Band 71 (20MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No.     |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|--------------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 133297  | 680.5       | 1             | 49        | 25.7                       | 24.8                     | 0.129            | 0.159             | 0.102             | 0.125              | 25.7                       | 0.159        | 0.125             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 133297  | 680.5       | 50            | 24        | 24.7                       | 24.1                     | 0.106            | 0.122             | 0.085             | 0.098              | 24.7                       | 0.122        | 0.098             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 133297  | 680.5       | 1             | 49        | 25.7                       | 24.8                     | 0.060            | 0.074             | 0.048             | 0.059              | 25.7                       | 0.074        | 0.059             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 133297  | 680.5       | 50            | 24        | 24.7                       | 24.1                     | 0.052            | 0.060             | 0.042             | 0.048              | 24.7                       | 0.060        | 0.048             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 133297  | 680.5       | 1             | 49        | 25.7                       | 24.8                     | 0.160            | 0.197             | 0.127             | 0.156              | 25.7                       | 0.197        | 0.156             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 133297  | 680.5       | 50            | 24        | 24.7                       | 24.1                     | 0.137            | 0.157             | 0.109             | 0.125              | 24.7                       | 0.157        | 0.125             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 133297  | 680.5       | 1             | 49        | 25.7                       | 24.8                     | 0.062            | 0.076             | 0.050             | 0.062              | 25.7                       | 0.076        | 0.062             |                    |
| ANT 1      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 133297  | 680.5       | 50            | 24        | 24.7                       | 24.1                     | 0.052            | 0.060             | 0.042             | 0.048              | 24.7                       | 0.060        | 0.048             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 133297  | 680.5       | 1             | 49        | 25.7                       | 24.8                     | 0.369            | 0.454             | 0.231             | 0.284              | 25.7                       | 0.454        | 0.284             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 133297  | 680.5       | 50            | 24        | 24.7                       | 24.1                     | 0.314            | 0.361             | 0.197             | 0.226              | 24.7                       | 0.366        | 0.229             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 133297  | 680.5       | 1             | 49        | 25.7                       | 24.8                     | 0.253            | 0.311             | 0.162             | 0.199              | 25.7                       | 0.311        | 0.199             |                    |
| ANT 1      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 133297  | 680.5       | 50            | 24        | 24.7                       | 24.1                     | 0.216            | 0.248             | 0.137             | 0.157              | 24.7                       | 0.251        | 0.159             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 133297  | 680.5       | 1             | 49        | 25.7                       | 24.8                     | 0.599            | <b>0.737</b>      | 0.329             | 0.405              | 25.7                       | <b>0.737</b> | 0.405             | 52                 |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 133297  | 680.5       | 50            | 24        | 24.7                       | 24.1                     | 0.515            | 0.591             | 0.283             | 0.325              | 24.7                       | 0.600        | 0.329             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 133297  | 680.5       | 1             | 49        | 25.7                       | 24.8                     | 0.307            | 0.378             | 0.145             | 0.178              | 25.7                       | 0.378        | 0.178             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Bottom      | 133297  | 680.5       | 50            | 24        | 24.7                       | 24.1                     | 0.261            | 0.300             | 0.123             | 0.141              | 24.7                       | 0.304        | 0.143             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 133297  | 680.5       | 1             | 49        | 25.7                       | 24.8                     | 0.205            | 0.252             | 0.135             | 0.166              | 25.7                       | 0.252        | 0.166             |                    |
| ANT 1      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 133297  | 680.5       | 50            | 24        | 24.7                       | 24.1                     | 0.175            | 0.201             | 0.115             | 0.132              | 24.7                       | 0.204        | 0.134             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                    |                  |                   | Power State 2     |                    |                      | Plot No.     |                   |                    |
|------------|--------------------------|---------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|--------------|-------------------|--------------------|
|            |                          |         |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 133297  | 680.5       | 1             | 49        | 24.7                 | 23.9               | 0.718            | <b>0.863</b>      | 0.374             | 0.450              | 24.7                 | <b>0.863</b> | 0.450             | 53                 |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Cheek       | 133297  | 680.5       | 50            | 24        | 23.7                 | 23.2               | 0.573            | 0.643             | 0.302             | 0.339              | 23.7                 | 0.643        | 0.339             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 133297  | 680.5       | 1             | 49        | 24.7                 | 23.9               | 0.596            | 0.717             | 0.291             | 0.350              | 24.7                 | 0.717        | 0.350             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Left Tilt        | 133297  | 680.5       | 50            | 24        | 23.7                 | 23.2               | 0.463            | 0.519             | 0.230             | 0.258              | 23.7                 | 0.519        | 0.258             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 133297  | 680.5       | 1             | 49        | 24.7                 | 23.9               | 0.629            | 0.756             | 0.358             | 0.430              | 24.7                 | 0.756        | 0.430             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Cheek      | 133297  | 680.5       | 50            | 24        | 23.7                 | 23.2               | 0.601            | 0.674             | 0.333             | 0.374              | 23.7                 | 0.674        | 0.374             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 133297  | 680.5       | 1             | 49        | 24.7                 | 23.9               | 0.508            | 0.611             | 0.267             | 0.321              | 24.7                 | 0.611        | 0.321             |                    |
| ANT 2      | Head                     | QPSK    | Mode A        | 0          | Right Tilt       | 133297  | 680.5       | 50            | 24        | 23.7                 | 23.2               | 0.443            | 0.497             | 0.242             | 0.272              | 23.7                 | 0.497        | 0.272             |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 133297  | 680.5       | 1             | 49        | 24.7                 | 23.9               | 0.381            | <b>0.458</b>      | 0.211             | 0.254              | 24.7                 | <b>0.458</b> | 0.254             | 54                 |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Back             | 133297  | 680.5       | 50            | 24        | 23.7                 | 23.2               | 0.334            | 0.375             | 0.181             | 0.203              | 23.7                 | 0.375        | 0.203             |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 133297  | 680.5       | 1             | 49        | 24.7                 | 23.9               | 0.343            | 0.412             | 0.191             | 0.230              | 24.7                 | 0.412        | 0.230             |                    |
| ANT 2      | Body & Hotspot           | QPSK    | Mode B        | 5          | Front            | 133297  | 680.5       | 50            | 24        | 23.7                 | 23.2               | 0.267            | 0.300             | 0.149             | 0.167              | 23.7                 | 0.300        | 0.167             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 133297  | 680.5       | 1             | 49        | 24.7                 | 23.9               | 0.238            | 0.286             | 0.110             | 0.132              | 24.7                 | 0.286        | 0.132             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Top         | 133297  | 680.5       | 50            | 24        | 23.7                 | 23.2               | 0.212            | 0.238             | 0.096             | 0.108              | 23.7                 | 0.238        | 0.108             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 133297  | 680.5       | 1             | 49        | 24.7                 | 23.9               | 0.094            | 0.113             | 0.065             | 0.078              | 24.7                 | 0.113        | 0.078             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Right       | 133297  | 680.5       | 50            | 24        | 23.7                 | 23.2               | 0.092            | 0.103             | 0.062             | 0.070              | 23.7                 | 0.103        | 0.070             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 133297  | 680.5       | 1             | 49        | 24.7                 | 23.9               | 0.113            | 0.136             | 0.062             | 0.075              | 24.7                 | 0.136        | 0.075             |                    |
| ANT 2      | Hotspot                  | QPSK    | Mode B        | 5          | Edge Left        | 133297  | 680.5       | 50            | 24        | 23.7                 | 23.2               | 0.099            | 0.111             | 0.054             | 0.061              | 23.7                 | 0.111        | 0.061             |                    |



### 10.20. NR Band n5 (20MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No.     |                   |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|--------------|-------------------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 166800  | 834.0       | 1             | 104       | 25.7                       | 25.2                     | 0.188            | 0.211             | 0.153             | 0.172              | 25.7                       | 0.211        | 0.172             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 166800  | 834.0       | 50            | 28        | 25.7                       | 25.5                     | 0.174            | 0.182             | 0.141             | 0.148              | 25.7                       | 0.182        | 0.148             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 166800  | 834.0       | 1             | 104       | 25.7                       | 25.2                     | 0.098            | 0.110             | 0.078             | 0.088              | 25.7                       | 0.110        | 0.088             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 166800  | 834.0       | 50            | 28        | 25.7                       | 25.5                     | 0.082            | 0.086             | 0.066             | 0.069              | 25.7                       | 0.086        | 0.069             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 166800  | 834.0       | 1             | 104       | 25.7                       | 25.2                     | 0.165            | 0.185             | 0.132             | 0.148              | 25.7                       | 0.185        | 0.148             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 166800  | 834.0       | 50            | 28        | 25.7                       | 25.5                     | 0.159            | 0.166             | 0.125             | 0.131              | 25.7                       | 0.166        | 0.131             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 166800  | 834.0       | 1             | 104       | 25.7                       | 25.2                     | 0.073            | 0.082             | 0.058             | 0.065              | 25.7                       | 0.082        | 0.065             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 166800  | 834.0       | 50            | 28        | 25.7                       | 25.5                     | 0.077            | 0.081             | 0.059             | 0.062              | 25.7                       | 0.081        | 0.062             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 166800  | 834.0       | 1             | 104       | 25.7                       | 25.2                     | 0.574            | 0.644             | 0.307             | 0.344              | 25.7                       | 0.644        | 0.344             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 166800  | 834.0       | 50            | 28        | 25.7                       | 25.5                     | 0.544            | 0.570             | 0.295             | 0.309              | 25.7                       | 0.570        | 0.309             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 166800  | 834.0       | 1             | 104       | 25.7                       | 25.2                     | 0.314            | 0.352             | 0.183             | 0.205              | 25.7                       | 0.352        | 0.205             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 166800  | 834.0       | 50            | 28        | 25.7                       | 25.5                     | 0.378            | 0.396             | 0.217             | 0.227              | 25.7                       | 0.396        | 0.227             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 166800  | 834.0       | 1             | 104       | 25.7                       | 25.2                     | 0.507            | 0.569             | 0.266             | 0.298              | 25.7                       | 0.569        | 0.298             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 166800  | 834.0       | 50            | 28        | 25.7                       | 25.5                     | 0.566            | <b>0.593</b>      | 0.382             | 0.400              | 25.7                       | <b>0.593</b> | 0.400             | 55                 |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 166800  | 834.0       | 1             | 104       | 25.7                       | 25.2                     | 0.475            | 0.533             | 0.221             | 0.248              | 25.7                       | 0.533        | 0.248             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 166800  | 834.0       | 50            | 28        | 25.7                       | 25.5                     | 0.453            | 0.474             | 0.208             | 0.218              | 25.7                       | 0.474        | 0.218             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 166800  | 834.0       | 1             | 104       | 25.7                       | 25.2                     | 0.242            | 0.272             | 0.161             | 0.181              | 25.7                       | 0.272        | 0.181             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 166800  | 834.0       | 50            | 28        | 25.7                       | 25.5                     | 0.208            | 0.218             | 0.137             | 0.143              | 25.7                       | 0.218        | 0.143             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Cheek       | 166800  | 834.0       | 1             | 1         | 23.5                       | 22.7                     | 0.773            | <b>0.921</b>      | 0.442             | 0.527              | 22.7                       | <b>0.766</b>      | 0.438    | 56                 |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Cheek       | 166800  | 834.0       | 50            | 28        | 23.5                       | 22.8                     | 0.733            | 0.865             | 0.416             | 0.491              | 22.7                       | 0.720             | 0.408    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Tilt        | 166800  | 834.0       | 1             | 1         | 23.5                       | 22.7                     | 0.527            | 0.628             | 0.284             | 0.338              | 22.7                       | 0.522             | 0.281    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Tilt        | 166800  | 834.0       | 50            | 28        | 23.5                       | 22.8                     | 0.503            | 0.594             | 0.269             | 0.318              | 22.7                       | 0.494             | 0.264    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Cheek      | 166800  | 834.0       | 1             | 1         | 23.5                       | 22.7                     | 0.684            | 0.815             | 0.384             | 0.457              | 22.7                       | 0.678             | 0.380    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Cheek      | 166800  | 834.0       | 50            | 28        | 23.5                       | 22.8                     | 0.738            | 0.871             | 0.411             | 0.485              | 22.7                       | 0.725             | 0.403    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Tilt       | 166800  | 834.0       | 1             | 1         | 23.5                       | 22.7                     | 0.452            | 0.538             | 0.236             | 0.281              | 22.7                       | 0.448             | 0.234    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Tilt       | 166800  | 834.0       | 50            | 28        | 23.5                       | 22.8                     | 0.529            | 0.624             | 0.272             | 0.321              | 22.7                       | 0.519             | 0.267    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Back             | 166800  | 834.0       | 1             | 1         | 24.7                       | 23.7                     | 0.557            | <b>0.701</b>      | 0.323             | 0.407              | 24.7                       | <b>0.701</b>      | 0.407    | 57                 |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Back             | 166800  | 834.0       | 50            | 28        | 24.7                       | 24.2                     | 0.614            | 0.689             | 0.354             | 0.397              | 24.7                       | 0.689             | 0.397    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Front            | 166800  | 834.0       | 1             | 1         | 24.7                       | 23.7                     | 0.536            | 0.675             | 0.299             | 0.376              | 24.7                       | 0.675             | 0.376    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Front            | 166800  | 834.0       | 50            | 28        | 24.7                       | 24.2                     | 0.583            | 0.654             | 0.325             | 0.365              | 24.7                       | 0.654             | 0.365    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Top         | 166800  | 834.0       | 1             | 1         | 24.7                       | 23.7                     | 0.349            | 0.439             | 0.170             | 0.214              | 24.7                       | 0.439             | 0.214    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Top         | 166800  | 834.0       | 50            | 28        | 24.7                       | 24.2                     | 0.393            | 0.441             | 0.188             | 0.211              | 24.7                       | 0.441             | 0.211    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Right       | 166800  | 834.0       | 1             | 1         | 24.7                       | 23.7                     | 0.159            | 0.200             | 0.107             | 0.135              | 24.7                       | 0.200             | 0.135    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Right       | 166800  | 834.0       | 50            | 28        | 24.7                       | 24.2                     | 0.192            | 0.215             | 0.128             | 0.144              | 24.7                       | 0.215             | 0.144    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Left        | 166800  | 834.0       | 1             | 1         | 24.7                       | 23.7                     | 0.101            | 0.127             | 0.053             | 0.067              | 24.7                       | 0.127             | 0.067    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Left        | 166800  | 834.0       | 50            | 28        | 24.7                       | 24.2                     | 0.124            | 0.139             | 0.065             | 0.073              | 24.7                       | 0.139             | 0.073    |                    |

### 10.21. NR Band n7 (40MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No. |                   |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|----------|-------------------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 507000  | 2535.0      | 1             | 1         | 25.7                       | 24.7                     | 0.235            | 0.296             | 0.137             | 0.172              | 25.7                       | 0.296    | 0.172             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 507000  | 2535.0      | 108           | 54        | 25.7                       | 25.2                     | 0.273            | 0.306             | 0.158             | 0.177              | 25.7                       | 0.306    | 0.177             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 507000  | 2535.0      | 1             | 1         | 25.7                       | 24.7                     | 0.231            | 0.291             | 0.124             | 0.156              | 25.7                       | 0.291    | 0.156             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 507000  | 2535.0      | 108           | 54        | 25.7                       | 25.2                     | 0.241            | 0.270             | 0.131             | 0.147              | 25.7                       | 0.270    | 0.147             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 507000  | 2535.0      | 1             | 1         | 25.7                       | 24.7                     | 0.507            | 0.638             | 0.281             | 0.354              | 25.7                       | 0.638    | 0.354             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 507000  | 2535.0      | 108           | 54        | 25.7                       | 25.2                     | 0.513            | 0.576             | 0.283             | 0.318              | 25.7                       | 0.576    | 0.318             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 507000  | 2535.0      | 1             | 1         | 25.7                       | 24.7                     | 0.190            | 0.239             | 0.108             | 0.136              | 25.7                       | 0.239    | 0.136             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 507000  | 2535.0      | 108           | 54        | 25.7                       | 25.2                     | 0.207            | 0.232             | 0.116             | 0.130              | 25.7                       | 0.232    | 0.130             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 507000  | 2535.0      | 1             | 1         | 21.0                       | 19.5                     | 0.430            | 0.607             | 0.200             | 0.283              | 20.2                       | 0.505    | 0.235             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 507000  | 2535.0      | 108           | 54        | 21.0                       | 19.5                     | 0.436            | 0.616             | 0.204             | 0.288              | 20.2                       | 0.512    | 0.240             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 507000  | 2535.0      | 1             | 1         | 21.0                       | 19.5                     | 0.434            | 0.613             | 0.195             | 0.275              | 20.2                       | 0.510    | 0.229             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 507000  | 2535.0      | 108           | 54        | 21.0                       | 19.5                     | 0.482            | 0.681             | 0.213             | 0.301              | 20.2                       | 0.566    | 0.250             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 507000  | 2535.0      | 1             | 1         | 21.0                       | 19.5                     | 0.532            | 0.751             | 0.239             | 0.338              | 20.2                       | 0.625    | 0.281             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 507000  | 2535.0      | 108           | 54        | 21.0                       | 19.5                     | 0.599            | 0.846             | 0.264             | 0.373              | 20.2                       | 0.704    | 0.310             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 507000  | 2535.0      | 1             | 1         | 21.0                       | 19.5                     | 0.447            | 0.631             | 0.192             | 0.271              | 20.2                       | 0.525    | 0.226             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 507000  | 2535.0      | 108           | 54        | 21.0                       | 19.5                     | 0.510            | 0.720             | 0.220             | 0.311              | 20.2                       | 0.599    | 0.258             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 507000  | 2535.0      | 1             | 1         | 21.0                       | 19.5                     | 0.004            | 0.006             | 0.000             | 0.000              | 20.2                       | 0.005    | 0.000             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 507000  | 2535.0      | 108           | 54        | 21.0                       | 19.5                     | 0.017            | 0.024             | 0.008             | 0.011              | 20.2                       | 0.020    | 0.009             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Cheek       | 507000  | 2535.0      | 1             | 214       | 17.8                       | 16.7                     | 0.923            | <b>1.189</b>      | 0.339             | 0.437              | 17.0                       | <b>0.989</b>      | 0.363    | 58                 |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Cheek       | 507000  | 2535.0      | 108           | 54        | 17.8                       | 16.7                     | 0.904            | 1.165             | 0.334             | 0.430              | 17.0                       | 0.969             | 0.358    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Tilt        | 507000  | 2535.0      | 1             | 214       | 17.8                       | 16.7                     | 0.856            | 1.103             | 0.308             | 0.397              | 17.0                       | 0.917             | 0.330    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Tilt        | 507000  | 2535.0      | 108           | 54        | 17.8                       | 16.7                     | 0.814            | 1.049             | 0.294             | 0.379              | 17.0                       | 0.872             | 0.315    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Cheek      | 507000  | 2535.0      | 1             | 214       | 17.8                       | 16.7                     | 0.689            | 0.888             | 0.280             | 0.361              | 17.0                       | 0.738             | 0.300    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Cheek      | 507000  | 2535.0      | 108           | 54        | 17.8                       | 16.7                     | 0.696            | 0.897             | 0.285             | 0.367              | 17.0                       | 0.746             | 0.305    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Tilt       | 507000  | 2535.0      | 1             | 214       | 17.8                       | 16.7                     | 0.720            | 0.928             | 0.297             | 0.383              | 17.0                       | 0.771             | 0.318    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Tilt       | 507000  | 2535.0      | 108           | 54        | 17.8                       | 16.7                     | 0.642            | 0.827             | 0.265             | 0.341              | 17.0                       | 0.688             | 0.284    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Back             | 507000  | 2535.0      | 1             | 214       | 18.9                       | 17.8                     | 0.772            | <b>0.995</b>      | 0.305             | 0.393              | 18.1                       | <b>0.827</b>      | 0.327    | 59                 |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Back             | 507000  | 2535.0      | 108           | 54        | 18.9                       | 17.6                     | 0.696            | 0.939             | 0.267             | 0.360              | 18.1                       | 0.781             | 0.300    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Front            | 507000  | 2535.0      | 1             | 214       | 18.9                       | 17.8                     | 0.550            | 0.709             | 0.232             | 0.299              | 18.1                       | 0.589             | 0.249    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Front            | 507000  | 2535.0      | 108           | 54        | 18.9                       | 17.6                     | 0.584            | 0.788             | 0.245             | 0.330              | 18.1                       | 0.655             | 0.275    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Top         | 507000  | 2535.0      | 1             | 214       | 18.9                       | 17.8                     | 0.778            | 1.002             | 0.276             | 0.356              | 18.1                       | 0.834             | 0.296    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Top         | 507000  | 2535.0      | 108           | 54        | 18.9                       | 17.6                     | 0.745            | 1.005             | 0.267             | 0.360              | 18.1                       | 0.836             | 0.300    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Right       | 507000  | 2535.0      | 1             | 214       | 18.9                       | 17.8                     | 0.045            | 0.058             | 0.020             | 0.026              | 18.1                       | 0.048             | 0.021    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Right       | 507000  | 2535.0      | 108           | 54        | 18.9                       | 17.6                     | 0.039            | 0.053             | 0.017             | 0.023              | 18.1                       | 0.044             | 0.019    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Left        | 507000  | 2535.0      | 1             | 214       | 18.9                       | 17.8                     | 0.410            | 0.528             | 0.185             | 0.238              | 18.1                       | 0.439             | 0.198    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Left        | 507000  | 2535.0      | 108           | 54        | 18.9                       | 17.6                     | 0.441            | 0.595             | 0.195             | 0.263              | 18.1                       | 0.495             | 0.219    |                    |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 3      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Cheek       | 507000  | 2535.0      | 1             | 214       | 23.1                       | 22.5                     | 0.260            | 0.299             | 0.146             | 0.168              | 22.3                       | 0.248             | 0.139    |                    |
| ANT 3      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Cheek       | 507000  | 2535.0      | 108           | 54        | 23.1                       | 22.8                     | 0.279            | 0.299             | 0.156             | 0.167              | 22.3                       | 0.249             | 0.139    |                    |
| ANT 3      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Tilt        | 507000  | 2535.0      | 1             | 214       | 23.1                       | 22.5                     | 0.121            | 0.139             | 0.062             | 0.071              | 22.3                       | 0.116             | 0.059    |                    |
| ANT 3      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Tilt        | 507000  | 2535.0      | 108           | 54        | 23.1                       | 22.8                     | 0.143            | 0.153             | 0.073             | 0.078              | 22.3                       | 0.127             | 0.065    |                    |
| ANT 3      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Cheek      | 507000  | 2535.0      | 1             | 214       | 23.1                       | 22.5                     | 0.155            | 0.178             | 0.090             | 0.103              | 22.3                       | 0.148             | 0.086    |                    |
| ANT 3      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Cheek      | 507000  | 2535.0      | 108           | 54        | 23.1                       | 22.8                     | 0.171            | 0.183             | 0.100             | 0.107              | 22.3                       | 0.152             | 0.089    |                    |
| ANT 3      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Tilt       | 507000  | 2535.0      | 1             | 214       | 23.1                       | 22.5                     | 0.158            | 0.181             | 0.083             | 0.095              | 22.3                       | 0.151             | 0.079    |                    |
| ANT 3      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Tilt       | 507000  | 2535.0      | 108           | 54        | 23.1                       | 22.8                     | 0.174            | 0.186             | 0.092             | 0.099              | 22.3                       | 0.155             | 0.082    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Back             | 507000  | 2535.0      | 1             | 214       | 21.1                       | 19.3                     | 0.390            | 0.590             | 0.197             | 0.298              | 20.3                       | 0.491             | 0.248    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Back             | 507000  | 2535.0      | 108           | 54        | 21.1                       | 19.5                     | 0.470            | 0.679             | 0.232             | 0.335              | 20.3                       | 0.565             | 0.279    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Front            | 507000  | 2535.0      | 1             | 214       | 21.1                       | 19.3                     | 0.396            | 0.599             | 0.201             | 0.304              | 20.3                       | 0.499             | 0.253    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Front            | 507000  | 2535.0      | 108           | 54        | 21.1                       | 19.5                     | 0.450            | 0.650             | 0.231             | 0.334              | 20.3                       | 0.541             | 0.278    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Bottom      | 507000  | 2535.0      | 1             | 214       | 21.1                       | 19.3                     | 0.121            | 0.183             | 0.062             | 0.094              | 20.3                       | 0.152             | 0.078    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Bottom      | 507000  | 2535.0      | 108           | 54        | 21.1                       | 19.5                     | 0.149            | 0.215             | 0.077             | 0.111              | 20.3                       | 0.179             | 0.093    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Left        | 507000  | 2535.0      | 1             | 214       | 21.1                       | 19.3                     | 0.592            | 0.896             | 0.268             | 0.406              | 20.3                       | 0.745             | 0.337    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Left        | 507000  | 2535.0      | 108           | 54        | 21.1                       | 19.5                     | 0.774            | <b>1.119</b>      | 0.354             | 0.512              | 20.3                       | <b>0.931</b>      | 0.426    | 60                 |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 507000  | 2535.0      | 1             | 1         | 21.5                       | 20.0                     | 0.644            | 0.910             | 0.307             | 0.434              | 20.7                       | 0.757             | 0.361    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 507000  | 2535.0      | 108           | 54        | 21.5                       | 20.1                     | 0.708            | 0.977             | 0.340             | 0.469              | 20.7                       | 0.813             | 0.390    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 507000  | 2535.0      | 1             | 1         | 21.5                       | 20.0                     | 0.318            | 0.449             | 0.155             | 0.219              | 20.7                       | 0.374             | 0.182    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 507000  | 2535.0      | 108           | 54        | 21.5                       | 20.1                     | 0.314            | 0.433             | 0.152             | 0.210              | 20.7                       | 0.361             | 0.175    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 507000  | 2535.0      | 1             | 1         | 21.5                       | 20.0                     | 0.316            | 0.446             | 0.168             | 0.237              | 20.7                       | 0.371             | 0.197    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 507000  | 2535.0      | 108           | 54        | 21.5                       | 20.1                     | 0.341            | 0.471             | 0.181             | 0.250              | 20.7                       | 0.392             | 0.208    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 507000  | 2535.0      | 1             | 1         | 21.5                       | 20.0                     | 0.129            | 0.182             | 0.074             | 0.105              | 20.7                       | 0.152             | 0.087    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 507000  | 2535.0      | 108           | 54        | 21.5                       | 20.1                     | 0.121            | 0.167             | 0.069             | 0.095              | 20.7                       | 0.139             | 0.079    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 507000  | 2535.0      | 1             | 1         | 21.2                       | 20.1                     | 0.561            | 0.723             | 0.252             | 0.325              | 20.4                       | 0.601             | 0.270    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 507000  | 2535.0      | 108           | 54        | 21.2                       | 20.0                     | 0.553            | 0.729             | 0.249             | 0.328              | 20.4                       | 0.606             | 0.273    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 507000  | 2535.0      | 1             | 1         | 21.2                       | 20.1                     | 0.272            | 0.350             | 0.136             | 0.175              | 20.4                       | 0.291             | 0.146    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 507000  | 2535.0      | 108           | 54        | 21.2                       | 20.0                     | 0.309            | 0.407             | 0.154             | 0.203              | 20.4                       | 0.339             | 0.169    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 507000  | 2535.0      | 1             | 1         | 21.2                       | 20.1                     | 0.099            | 0.128             | 0.043             | 0.055              | 20.4                       | 0.106             | 0.046    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 507000  | 2535.0      | 108           | 54        | 21.2                       | 20.0                     | 0.113            | 0.149             | 0.048             | 0.063              | 20.4                       | 0.124             | 0.053    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 507000  | 2535.0      | 1             | 1         | 21.2                       | 20.1                     | 0.603            | 0.777             | 0.281             | 0.362              | 20.4                       | 0.646             | 0.301    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 507000  | 2535.0      | 108           | 54        | 21.2                       | 20.0                     | 0.640            | 0.844             | 0.297             | 0.392              | 20.4                       | 0.702             | 0.326    |                    |

### 10.22. NR Band n12 (15MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)             | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No.     |                   |                    |
|------------|--------------------------|---------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|--------------|-------------------|--------------------|
|            |                          |                     |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | DFT-s-OFDM m/2 BPSK | Mode A        | 0          | Left Cheek       | 141500  | 707.5       | 1             | 77        | 25.7                       | 24.9                     | 0.125            | 0.150             | 0.099             | 0.119              | 25.7                       | 0.150        | 0.119             |                    |
| ANT 1      | Head                     | DFT-s-OFDM m/2 BPSK | Mode A        | 0          | Left Cheek       | 141500  | 707.5       | 36            | 22        | 25.7                       | 25.1                     | 0.130            | 0.149             | 0.102             | 0.117              | 25.7                       | 0.149        | 0.117             |                    |
| ANT 1      | Head                     | DFT-s-OFDM m/2 BPSK | Mode A        | 0          | Left Tilt        | 141500  | 707.5       | 1             | 77        | 25.7                       | 24.9                     | 0.066            | 0.079             | 0.053             | 0.064              | 25.7                       | 0.079        | 0.064             |                    |
| ANT 1      | Head                     | DFT-s-OFDM m/2 BPSK | Mode A        | 0          | Left Tilt        | 141500  | 707.5       | 36            | 22        | 25.7                       | 25.1                     | 0.078            | 0.090             | 0.063             | 0.072              | 25.7                       | 0.090        | 0.072             |                    |
| ANT 1      | Head                     | DFT-s-OFDM m/2 BPSK | Mode A        | 0          | Right Cheek      | 141500  | 707.5       | 1             | 77        | 25.7                       | 24.9                     | 0.137            | 0.165             | 0.108             | 0.130              | 25.7                       | 0.165        | 0.130             |                    |
| ANT 1      | Head                     | DFT-s-OFDM m/2 BPSK | Mode A        | 0          | Right Cheek      | 141500  | 707.5       | 36            | 22        | 25.7                       | 25.1                     | 0.141            | 0.162             | 0.111             | 0.127              | 25.7                       | 0.162        | 0.127             |                    |
| ANT 1      | Head                     | DFT-s-OFDM m/2 BPSK | Mode A        | 0          | Right Tilt       | 141500  | 707.5       | 1             | 77        | 25.7                       | 24.9                     | 0.064            | 0.077             | 0.052             | 0.063              | 25.7                       | 0.077        | 0.063             |                    |
| ANT 1      | Head                     | DFT-s-OFDM m/2 BPSK | Mode A        | 0          | Right Tilt       | 141500  | 707.5       | 36            | 22        | 25.7                       | 25.1                     | 0.060            | 0.069             | 0.049             | 0.056              | 25.7                       | 0.069        | 0.056             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM m/2 BPSK | Mode B        | 5          | Back             | 141500  | 707.5       | 1             | 77        | 25.7                       | 24.9                     | 0.382            | 0.459             | 0.226             | 0.272              | 25.7                       | 0.459        | 0.272             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM m/2 BPSK | Mode B        | 5          | Back             | 141500  | 707.5       | 36            | 22        | 25.7                       | 25.1                     | 0.552            | <b>0.634</b>      | 0.327             | 0.375              | 25.7                       | <b>0.634</b> | 0.375             | 73                 |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM m/2 BPSK | Mode B        | 5          | Front            | 141500  | 707.5       | 1             | 77        | 25.7                       | 24.9                     | 0.221            | 0.266             | 0.127             | 0.153              | 25.7                       | 0.266        | 0.153             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM m/2 BPSK | Mode B        | 5          | Front            | 141500  | 707.5       | 36            | 22        | 25.7                       | 25.1                     | 0.381            | 0.437             | 0.220             | 0.253              | 25.7                       | 0.437        | 0.253             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM m/2 BPSK | Mode B        | 5          | Edge Right       | 141500  | 707.5       | 1             | 77        | 25.7                       | 24.9                     | 0.687            | 0.826             | 0.382             | 0.459              | 25.7                       | 0.826        | 0.459             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM m/2 BPSK | Mode B        | 5          | Edge Right       | 141500  | 707.5       | 36            | 22        | 25.7                       | 25.1                     | 0.740            | <b>0.850</b>      | 0.465             | 0.534              | 25.7                       | <b>0.850</b> | 0.534             | 74                 |
| ANT 1      | Hotspot                  | DFT-s-OFDM m/2 BPSK | Mode B        | 5          | Edge Bottom      | 141500  | 707.5       | 1             | 77        | 25.7                       | 24.9                     | 0.281            | 0.338             | 0.133             | 0.160              | 25.7                       | 0.338        | 0.160             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM m/2 BPSK | Mode B        | 5          | Edge Bottom      | 141500  | 707.5       | 36            | 22        | 25.7                       | 25.1                     | 0.434            | 0.498             | 0.207             | 0.238              | 25.7                       | 0.498        | 0.238             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM m/2 BPSK | Mode B        | 5          | Edge Left        | 141500  | 707.5       | 1             | 77        | 25.7                       | 24.9                     | 0.198            | 0.238             | 0.131             | 0.157              | 25.7                       | 0.238        | 0.157             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM m/2 BPSK | Mode B        | 5          | Edge Left        | 141500  | 707.5       | 36            | 22        | 25.7                       | 25.1                     | 0.283            | 0.325             | 0.187             | 0.215              | 25.7                       | 0.325        | 0.215             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 141500  | 707.5       | 1             | 1         | 24.7                       | 23.2                     | 0.781            | <b>1.103</b>      | 0.414             | 0.585              | 24.2                       | <b>0.983</b>      | 0.521    | 76                 |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 141500  | 707.5       | 36            | 22        | 24.7                       | 23.9                     | 0.884            | 1.063             | 0.470             | 0.565              | 24.2                       | 0.947             | 0.504    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 141500  | 707.5       | 1             | 1         | 24.7                       | 23.2                     | 0.517            | 0.730             | 0.264             | 0.373              | 24.2                       | 0.651             | 0.332    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 141500  | 707.5       | 36            | 22        | 24.7                       | 23.9                     | 0.702            | 0.844             | 0.354             | 0.426              | 24.2                       | 0.752             | 0.379    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 141500  | 707.5       | 1             | 1         | 24.7                       | 23.2                     | 0.553            | 0.781             | 0.330             | 0.466              | 24.2                       | 0.696             | 0.415    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 141500  | 707.5       | 36            | 22        | 24.7                       | 23.9                     | 0.587            | 0.706             | 0.345             | 0.415              | 24.2                       | 0.629             | 0.370    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 141500  | 707.5       | 1             | 1         | 24.7                       | 23.2                     | 0.582            | 0.822             | 0.310             | 0.438              | 24.2                       | 0.733             | 0.390    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 141500  | 707.5       | 36            | 22        | 24.7                       | 23.9                     | 0.625            | 0.751             | 0.348             | 0.418              | 24.2                       | 0.670             | 0.373    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 141500  | 707.5       | 1             | 1         | 24.7                       | 23.2                     | 0.335            | 0.473             | 0.185             | 0.261              | 24.7                       | 0.473             | 0.261    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 141500  | 707.5       | 36            | 22        | 24.7                       | 23.9                     | 0.463            | 0.557             | 0.253             | 0.304              | 24.7                       | 0.557             | 0.304    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 141500  | 707.5       | 1             | 1         | 24.7                       | 23.2                     | 0.272            | 0.384             | 0.155             | 0.219              | 24.7                       | 0.384             | 0.219    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 141500  | 707.5       | 36            | 22        | 24.7                       | 23.9                     | 0.339            | 0.408             | 0.191             | 0.230              | 24.7                       | 0.408             | 0.230    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 141500  | 707.5       | 1             | 1         | 24.7                       | 23.2                     | 0.188            | 0.266             | 0.086             | 0.121              | 24.7                       | 0.266             | 0.121    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 141500  | 707.5       | 36            | 22        | 24.7                       | 23.9                     | 0.233            | 0.280             | 0.108             | 0.130              | 24.7                       | 0.280             | 0.130    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 141500  | 707.5       | 1             | 1         | 24.7                       | 23.2                     | 0.090            | 0.127             | 0.061             | 0.086              | 24.7                       | 0.127             | 0.086    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 141500  | 707.5       | 36            | 22        | 24.7                       | 23.9                     | 0.121            | 0.145             | 0.081             | 0.097              | 24.7                       | 0.145             | 0.097    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Left        | 141500  | 707.5       | 1             | 1         | 24.7                       | 23.2                     | 0.123            | 0.174             | 0.083             | 0.117              | 24.7                       | 0.174             | 0.117    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Left        | 141500  | 707.5       | 36            | 22        | 24.7                       | 23.9                     | 0.154            | 0.185             | 0.103             | 0.124              | 24.7                       | 0.185             | 0.124    |                    |

### 10.23. NR Band n14 (10MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No.     |                   |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|--------------|-------------------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 158600  | 793.0       | 1             | 1         | 25.7                       | 25.1                     | 0.121            | 0.139             | 0.095             | 0.109              | 25.7                       | 0.139        | 0.109             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 158600  | 793.0       | 25            | 14        | 25.7                       | 25.3                     | 0.112            | 0.123             | 0.088             | 0.096              | 25.7                       | 0.123        | 0.096             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 158600  | 793.0       | 1             | 1         | 25.7                       | 25.1                     | 0.087            | 0.100             | 0.070             | 0.080              | 25.7                       | 0.100        | 0.080             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 158600  | 793.0       | 25            | 14        | 25.7                       | 25.3                     | 0.086            | 0.094             | 0.068             | 0.075              | 25.7                       | 0.094        | 0.075             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 158600  | 793.0       | 1             | 1         | 25.7                       | 25.1                     | 0.169            | 0.194             | 0.133             | 0.153              | 25.7                       | 0.194        | 0.153             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 158600  | 793.0       | 25            | 14        | 25.7                       | 25.3                     | 0.230            | 0.252             | 0.180             | 0.197              | 25.7                       | 0.252        | 0.197             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 158600  | 793.0       | 1             | 1         | 25.7                       | 25.1                     | 0.132            | 0.152             | 0.107             | 0.123              | 25.7                       | 0.152        | 0.123             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 158600  | 793.0       | 25            | 14        | 25.7                       | 25.3                     | 0.131            | 0.144             | 0.105             | 0.115              | 25.7                       | 0.144        | 0.115             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 158600  | 793.0       | 1             | 1         | 25.7                       | 25.1                     | 0.397            | 0.456             | 0.226             | 0.259              | 25.7                       | 0.456        | 0.259             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 158600  | 793.0       | 25            | 14        | 25.7                       | 25.3                     | 0.346            | 0.379             | 0.200             | 0.219              | 25.7                       | 0.379        | 0.219             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 158600  | 793.0       | 1             | 1         | 25.7                       | 25.1                     | 0.235            | 0.270             | 0.138             | 0.158              | 25.7                       | 0.270        | 0.158             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 158600  | 793.0       | 25            | 14        | 25.7                       | 25.3                     | 0.222            | 0.243             | 0.130             | 0.143              | 25.7                       | 0.243        | 0.143             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 158600  | 793.0       | 1             | 1         | 25.7                       | 25.1                     | 0.635            | 0.729             | 0.418             | 0.480              | 25.7                       | 0.729        | 0.480             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 158600  | 793.0       | 25            | 14        | 25.7                       | 25.3                     | 0.678            | <b>0.743</b>      | 0.445             | 0.488              | 25.7                       | <b>0.743</b> | 0.488             | 64                 |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 158600  | 793.0       | 1             | 1         | 25.7                       | 25.1                     | 0.451            | 0.518             | 0.207             | 0.238              | 25.7                       | 0.518        | 0.238             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 158600  | 793.0       | 25            | 14        | 25.7                       | 25.3                     | 0.383            | 0.420             | 0.173             | 0.190              | 25.7                       | 0.420        | 0.190             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 158600  | 793.0       | 1             | 1         | 25.7                       | 25.1                     | 0.307            | 0.352             | 0.202             | 0.232              | 25.7                       | 0.352        | 0.232             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 158600  | 793.0       | 25            | 14        | 25.7                       | 25.3                     | 0.270            | 0.296             | 0.177             | 0.194              | 25.7                       | 0.296        | 0.194             |                    |



| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 158600  | 793.0       | 1             | 1         | 23.7                       | 22.4                     | 0.698            | 0.942             | 0.413             | 0.557              | 22.9                       | 0.783             | 0.463    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 158600  | 793.0       | 25            | 14        | 23.7                       | 22.7                     | 0.800            | 1.007             | 0.475             | 0.598              | 22.9                       | 0.838             | 0.497    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 158600  | 793.0       | 1             | 1         | 23.7                       | 22.4                     | 0.655            | 0.884             | 0.362             | 0.488              | 22.9                       | 0.735             | 0.406    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 158600  | 793.0       | 25            | 14        | 23.7                       | 22.7                     | 0.626            | 0.788             | 0.346             | 0.436              | 22.9                       | 0.656             | 0.362    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 158600  | 793.0       | 1             | 1         | 23.7                       | 22.4                     | 0.860            | 1.160             | 0.477             | 0.643              | 22.9                       | 0.965             | 0.535    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 158600  | 793.0       | 25            | 14        | 23.7                       | 22.7                     | 0.932            | <b>1.173</b>      | 0.518             | 0.652              | 22.9                       | <b>0.976</b>      | 0.542    | 65                 |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 158600  | 793.0       | 1             | 1         | 23.7                       | 22.4                     | 0.645            | 0.870             | 0.344             | 0.464              | 22.9                       | 0.724             | 0.386    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 158600  | 793.0       | 25            | 14        | 23.7                       | 22.7                     | 0.622            | 0.783             | 0.333             | 0.419              | 22.9                       | 0.651             | 0.349    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 158600  | 793.0       | 1             | 1         | 24.7                       | 23.7                     | 0.595            | 0.749             | 0.331             | 0.417              | 24.7                       | 0.749             | 0.417    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 158600  | 793.0       | 25            | 14        | 24.7                       | 23.7                     | 0.704            | <b>0.886</b>      | 0.391             | 0.492              | 24.7                       | <b>0.886</b>      | 0.492    | 66                 |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 158600  | 793.0       | 1             | 1         | 24.7                       | 23.7                     | 0.502            | 0.632             | 0.282             | 0.355              | 24.7                       | 0.632             | 0.355    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 158600  | 793.0       | 25            | 14        | 24.7                       | 23.7                     | 0.579            | 0.729             | 0.323             | 0.407              | 24.7                       | 0.729             | 0.407    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 158600  | 793.0       | 1             | 1         | 24.7                       | 23.7                     | 0.360            | 0.453             | 0.166             | 0.209              | 24.7                       | 0.453             | 0.209    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 158600  | 793.0       | 25            | 14        | 24.7                       | 23.7                     | 0.412            | 0.519             | 0.190             | 0.239              | 24.7                       | 0.519             | 0.239    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 158600  | 793.0       | 1             | 1         | 24.7                       | 23.7                     | 0.243            | 0.306             | 0.163             | 0.205              | 24.7                       | 0.306             | 0.205    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 158600  | 793.0       | 25            | 14        | 24.7                       | 23.7                     | 0.247            | 0.311             | 0.165             | 0.208              | 24.7                       | 0.311             | 0.208    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Left        | 158600  | 793.0       | 1             | 1         | 24.7                       | 23.7                     | 0.131            | 0.165             | 0.088             | 0.111              | 24.7                       | 0.165             | 0.111    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Left        | 158600  | 793.0       | 25            | 14        | 24.7                       | 23.7                     | 0.139            | 0.175             | 0.093             | 0.117              | 24.7                       | 0.175             | 0.117    |                    |

### 10.24. NR Band n25 (40MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No.     |                   |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|--------------|-------------------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 376500  | 1882.5      | 1             | 1         | 25.7                       | 24.9                     | 0.133            | 0.160             | 0.089             | 0.107              | 25.5                       | 0.153        | 0.102             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 376500  | 1882.5      | 108           | 54        | 25.7                       | 25.2                     | 0.112            | 0.126             | 0.075             | 0.084              | 25.5                       | 0.120        | 0.080             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 376500  | 1882.5      | 1             | 1         | 25.7                       | 24.9                     | 0.097            | 0.117             | 0.062             | 0.075              | 25.5                       | 0.111        | 0.071             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 376500  | 1882.5      | 108           | 54        | 25.7                       | 25.2                     | 0.087            | 0.098             | 0.056             | 0.063              | 25.5                       | 0.093        | 0.060             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 376500  | 1882.5      | 1             | 1         | 25.7                       | 24.9                     | 0.202            | 0.243             | 0.131             | 0.157              | 25.5                       | 0.232        | 0.150             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 376500  | 1882.5      | 108           | 54        | 25.7                       | 25.2                     | 0.232            | 0.260             | 0.151             | 0.169              | 25.5                       | 0.249        | 0.162             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 376500  | 1882.5      | 1             | 1         | 25.7                       | 24.9                     | 0.122            | 0.147             | 0.076             | 0.091              | 25.5                       | 0.140        | 0.087             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 376500  | 1882.5      | 108           | 54        | 25.7                       | 25.2                     | 0.128            | 0.144             | 0.079             | 0.089              | 25.5                       | 0.137        | 0.085             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 376500  | 1882.5      | 1             | 1         | 19.7                       | 18.2                     | 0.426            | 0.602             | 0.222             | 0.314              | 18.9                       | 0.501        | 0.261             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 376500  | 1882.5      | 108           | 54        | 19.7                       | 18.2                     | 0.404            | 0.571             | 0.214             | 0.302              | 18.9                       | 0.475        | 0.251             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 376500  | 1882.5      | 1             | 1         | 19.7                       | 18.2                     | 0.351            | 0.496             | 0.178             | 0.251              | 18.9                       | 0.412        | 0.209             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 376500  | 1882.5      | 108           | 54        | 19.7                       | 18.2                     | 0.292            | 0.412             | 0.150             | 0.212              | 18.9                       | 0.343        | 0.176             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 376500  | 1882.5      | 1             | 1         | 19.7                       | 18.2                     | 0.258            | 0.364             | 0.124             | 0.175              | 18.9                       | 0.303        | 0.146             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 376500  | 1882.5      | 108           | 54        | 19.7                       | 18.2                     | 0.248            | 0.350             | 0.122             | 0.172              | 18.9                       | 0.291        | 0.143             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 376500  | 1882.5      | 1             | 1         | 19.7                       | 18.2                     | 0.761            | <b>1.075</b>      | 0.355             | 0.501              | 18.9                       | <b>0.894</b> | 0.417             | 67                 |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 376500  | 1882.5      | 108           | 54        | 19.7                       | 18.2                     | 0.687            | 0.970             | 0.320             | 0.452              | 18.9                       | 0.807        | 0.376             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 376500  | 1882.5      | 1             | 1         | 19.7                       | 18.2                     | 0.024            | 0.034             | 0.013             | 0.018              | 18.9                       | 0.028        | 0.015             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 376500  | 1882.5      | 108           | 54        | 19.7                       | 18.2                     | 0.019            | 0.027             | 0.010             | 0.014              | 18.9                       | 0.022        | 0.012             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 376500  | 1882.5      | 1             | 1         | 21.0                       | 20.0                     | 0.555            | 0.699             | 0.316             | 0.398              | 20.2                       | 0.581             | 0.331    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 376500  | 1882.5      | 108           | 54        | 21.0                       | 19.8                     | 0.532            | 0.706             | 0.290             | 0.385              | 20.2                       | 0.587             | 0.320    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 376500  | 1882.5      | 1             | 1         | 21.0                       | 20.0                     | 0.299            | 0.376             | 0.162             | 0.204              | 20.2                       | 0.313             | 0.170    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 376500  | 1882.5      | 108           | 54        | 21.0                       | 19.8                     | 0.334            | 0.443             | 0.177             | 0.235              | 20.2                       | 0.369             | 0.195    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 376500  | 1882.5      | 1             | 1         | 21.0                       | 20.0                     | 0.746            | <b>0.939</b>      | 0.412             | 0.519              | 20.2                       | <b>0.781</b>      | 0.431    | 68                 |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 376500  | 1882.5      | 108           | 54        | 21.0                       | 19.8                     | 0.682            | 0.905             | 0.372             | 0.494              | 20.2                       | 0.753             | 0.411    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 376500  | 1882.5      | 1             | 1         | 21.0                       | 20.0                     | 0.624            | 0.786             | 0.293             | 0.369              | 20.2                       | 0.653             | 0.307    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 376500  | 1882.5      | 108           | 54        | 21.0                       | 19.8                     | 0.584            | 0.775             | 0.275             | 0.365              | 20.2                       | 0.645             | 0.304    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 376500  | 1882.5      | 1             | 214       | 21.3                       | 20.3                     | 0.743            | 0.935             | 0.354             | 0.446              | 20.5                       | 0.778             | 0.371    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 376500  | 1882.5      | 108           | 54        | 21.3                       | 20.1                     | 0.746            | <b>0.981</b>      | 0.356             | 0.468              | 20.5                       | <b>0.816</b>      | 0.389    | 69                 |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 376500  | 1882.5      | 1             | 214       | 21.3                       | 20.3                     | 0.432            | 0.544             | 0.213             | 0.268              | 20.5                       | 0.452             | 0.223    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 376500  | 1882.5      | 108           | 54        | 21.3                       | 20.1                     | 0.381            | 0.501             | 0.191             | 0.251              | 20.5                       | 0.417             | 0.209    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 376500  | 1882.5      | 1             | 214       | 21.3                       | 20.3                     | 0.511            | 0.643             | 0.229             | 0.288              | 20.5                       | 0.535             | 0.240    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 376500  | 1882.5      | 108           | 54        | 21.3                       | 20.1                     | 0.553            | 0.727             | 0.253             | 0.333              | 20.5                       | 0.605             | 0.277    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 376500  | 1882.5      | 1             | 214       | 21.3                       | 20.3                     | 0.018            | 0.023             | 0.009             | 0.011              | 20.5                       | 0.019             | 0.009    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 376500  | 1882.5      | 108           | 54        | 21.3                       | 20.1                     | 0.014            | 0.018             | 0.008             | 0.011              | 20.5                       | 0.015             | 0.009    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 376500  | 1882.5      | 1             | 214       | 21.3                       | 20.3                     | 0.725            | 0.913             | 0.359             | 0.452              | 20.5                       | 0.759             | 0.376    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 376500  | 1882.5      | 108           | 54        | 21.3                       | 20.1                     | 0.715            | 0.940             | 0.357             | 0.470              | 20.5                       | 0.782             | 0.391    |                    |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 376500  | 1882.5      | 1             | 1         | 24.5                       | 23.6                     | 0.542            | 0.667             | 0.352             | 0.433              | 23.7                       | 0.555             | 0.360    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 376500  | 1882.5      | 108           | 54        | 24.5                       | 23.8                     | 0.534            | 0.627             | 0.346             | 0.407              | 23.7                       | 0.522             | 0.338    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 376500  | 1882.5      | 1             | 1         | 24.5                       | 23.6                     | 0.274            | 0.337             | 0.182             | 0.224              | 23.7                       | 0.280             | 0.186    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 376500  | 1882.5      | 108           | 54        | 24.5                       | 23.8                     | 0.262            | 0.308             | 0.174             | 0.204              | 23.7                       | 0.256             | 0.170    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 376500  | 1882.5      | 1             | 1         | 24.5                       | 23.6                     | 0.260            | 0.320             | 0.178             | 0.219              | 23.7                       | 0.266             | 0.182    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 376500  | 1882.5      | 108           | 54        | 24.5                       | 23.8                     | 0.253            | 0.297             | 0.169             | 0.199              | 23.7                       | 0.247             | 0.165    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 376500  | 1882.5      | 1             | 1         | 24.5                       | 23.6                     | 0.243            | 0.299             | 0.155             | 0.191              | 23.7                       | 0.249             | 0.159    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 376500  | 1882.5      | 108           | 54        | 24.5                       | 23.8                     | 0.185            | 0.217             | 0.118             | 0.139              | 23.7                       | 0.181             | 0.115    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 376500  | 1882.5      | 1             | 1         | 21.8                       | 21.2                     | 0.694            | 0.797             | 0.371             | 0.426              | 21.0                       | 0.663             | 0.354    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 376500  | 1882.5      | 108           | 54        | 21.8                       | 21.3                     | 0.630            | 0.707             | 0.341             | 0.383              | 21.0                       | 0.588             | 0.318    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 376500  | 1882.5      | 1             | 1         | 21.8                       | 21.2                     | 0.783            | 0.899             | 0.401             | 0.460              | 21.0                       | 0.748             | 0.383    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 376500  | 1882.5      | 108           | 54        | 21.8                       | 21.3                     | 0.718            | 0.806             | 0.367             | 0.412              | 21.0                       | 0.670             | 0.343    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 376500  | 1882.5      | 1             | 1         | 21.8                       | 21.2                     | 0.302            | 0.347             | 0.154             | 0.177              | 21.0                       | 0.288             | 0.147    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 376500  | 1882.5      | 108           | 54        | 21.8                       | 21.3                     | 0.380            | 0.426             | 0.190             | 0.213              | 21.0                       | 0.355             | 0.177    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 376500  | 1882.5      | 1             | 1         | 21.8                       | 21.2                     | 0.786            | 0.902             | 0.406             | 0.466              | 21.0                       | 0.751             | 0.388    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 376500  | 1882.5      | 108           | 54        | 21.8                       | 21.3                     | 0.801            | 0.899             | 0.405             | 0.454              | 21.0                       | 0.748             | 0.378    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 376500  | 1882.5      | 1             | 1         | 19.6                       | 18.3                     | 0.345            | 0.465             | 0.191             | 0.258              | 18.8                       | 0.387             | 0.214    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 376500  | 1882.5      | 108           | 54        | 19.6                       | 18.5                     | 0.346            | 0.446             | 0.195             | 0.251              | 18.8                       | 0.371             | 0.209    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 376500  | 1882.5      | 1             | 1         | 19.6                       | 18.3                     | 0.234            | 0.316             | 0.124             | 0.167              | 18.8                       | 0.263             | 0.139    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 376500  | 1882.5      | 108           | 54        | 19.6                       | 18.5                     | 0.249            | 0.321             | 0.133             | 0.171              | 18.8                       | 0.267             | 0.143    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 376500  | 1882.5      | 1             | 1         | 19.6                       | 18.3                     | 0.157            | 0.212             | 0.089             | 0.120              | 18.8                       | 0.176             | 0.100    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 376500  | 1882.5      | 108           | 54        | 19.6                       | 18.5                     | 0.171            | 0.220             | 0.098             | 0.126              | 18.8                       | 0.183             | 0.105    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 376500  | 1882.5      | 1             | 1         | 19.6                       | 18.3                     | 0.093            | 0.125             | 0.054             | 0.073              | 18.8                       | 0.104             | 0.061    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 376500  | 1882.5      | 108           | 54        | 19.6                       | 18.5                     | 0.108            | 0.139             | 0.063             | 0.081              | 18.8                       | 0.116             | 0.068    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 376500  | 1882.5      | 1             | 1         | 21.7                       | 20.1                     | 0.285            | 0.412             | 0.145             | 0.210              | 20.9                       | 0.343             | 0.174    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 376500  | 1882.5      | 108           | 54        | 21.7                       | 20.2                     | 0.327            | 0.462             | 0.164             | 0.232              | 20.9                       | 0.384             | 0.193    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 376500  | 1882.5      | 1             | 1         | 21.7                       | 20.1                     | 0.284            | 0.411             | 0.143             | 0.207              | 20.9                       | 0.341             | 0.172    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 376500  | 1882.5      | 108           | 54        | 21.7                       | 20.2                     | 0.299            | 0.422             | 0.150             | 0.212              | 20.9                       | 0.351             | 0.176    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 376500  | 1882.5      | 1             | 1         | 21.7                       | 20.1                     | 0.151            | 0.218             | 0.076             | 0.110              | 20.9                       | 0.182             | 0.091    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 376500  | 1882.5      | 108           | 54        | 21.7                       | 20.2                     | 0.150            | 0.212             | 0.079             | 0.112              | 20.9                       | 0.176             | 0.093    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 376500  | 1882.5      | 1             | 1         | 21.7                       | 20.1                     | 0.518            | 0.749             | 0.254             | 0.367              | 20.9                       | 0.623             | 0.305    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 376500  | 1882.5      | 108           | 54        | 21.7                       | 20.2                     | 0.598            | 0.845             | 0.291             | 0.411              | 20.9                       | 0.703             | 0.342    |                    |

### 10.25. NR Band n26 (20MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No.     |                   |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|--------------|-------------------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 166300  | 831.5       | 1             | 1         | 25.7                       | 25.1                     | 0.178            | 0.204             | 0.143             | 0.164              | 25.7                       | 0.204        | 0.164             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 166300  | 831.5       | 50            | 28        | 25.7                       | 25.3                     | 0.207            | 0.227             | 0.166             | 0.182              | 25.7                       | 0.227        | 0.182             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 166300  | 831.5       | 1             | 1         | 25.7                       | 25.1                     | 0.106            | 0.122             | 0.086             | 0.099              | 25.7                       | 0.122        | 0.099             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 166300  | 831.5       | 50            | 28        | 25.7                       | 25.3                     | 0.117            | 0.128             | 0.094             | 0.103              | 25.7                       | 0.128        | 0.103             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 166300  | 831.5       | 1             | 1         | 25.7                       | 25.1                     | 0.178            | 0.204             | 0.142             | 0.163              | 25.7                       | 0.204        | 0.163             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 166300  | 831.5       | 50            | 28        | 25.7                       | 25.3                     | 0.260            | 0.285             | 0.206             | 0.226              | 25.7                       | 0.285        | 0.226             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 166300  | 831.5       | 1             | 1         | 25.7                       | 25.1                     | 0.113            | 0.130             | 0.088             | 0.101              | 25.7                       | 0.130        | 0.101             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 166300  | 831.5       | 50            | 28        | 25.7                       | 25.3                     | 0.151            | 0.166             | 0.115             | 0.126              | 25.7                       | 0.166        | 0.126             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 166300  | 831.5       | 1             | 1         | 25.7                       | 25.1                     | 0.409            | 0.470             | 0.228             | 0.262              | 25.7                       | 0.470        | 0.262             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 166300  | 831.5       | 50            | 28        | 25.7                       | 25.3                     | 0.449            | 0.492             | 0.250             | 0.274              | 25.7                       | 0.492        | 0.274             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 166300  | 831.5       | 1             | 1         | 25.7                       | 25.1                     | 0.228            | 0.262             | 0.129             | 0.148              | 25.7                       | 0.262        | 0.148             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 166300  | 831.5       | 50            | 28        | 25.7                       | 25.3                     | 0.308            | 0.338             | 0.175             | 0.192              | 25.7                       | 0.338        | 0.192             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 166300  | 831.5       | 1             | 1         | 25.7                       | 25.1                     | 0.506            | 0.581             | 0.336             | 0.386              | 25.7                       | 0.581        | 0.386             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 166300  | 831.5       | 50            | 28        | 25.7                       | 25.3                     | 0.665            | <b>0.729</b>      | 0.444             | 0.487              | 25.7                       | <b>0.729</b> | 0.487             | 70                 |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 166300  | 831.5       | 1             | 1         | 25.7                       | 25.1                     | 0.372            | 0.427             | 0.169             | 0.194              | 25.7                       | 0.427        | 0.194             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 166300  | 831.5       | 50            | 28        | 25.7                       | 25.3                     | 0.523            | 0.573             | 0.239             | 0.262              | 25.7                       | 0.573        | 0.262             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 166300  | 831.5       | 1             | 1         | 25.7                       | 25.1                     | 0.190            | 0.218             | 0.126             | 0.145              | 25.7                       | 0.218        | 0.145             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 166300  | 831.5       | 50            | 28        | 25.7                       | 25.3                     | 0.260            | 0.285             | 0.171             | 0.187              | 25.7                       | 0.285        | 0.187             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 166300  | 831.5       | 1             | 104       | 23.5                       | 22.5                     | 0.888            | <b>1.118</b>      | 0.531             | 0.668              | 22.7                       | <b>0.930</b>      | 0.556    | 71                 |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 166300  | 831.5       | 50            | 28        | 23.5                       | 22.5                     | 0.866            | 1.090             | 0.508             | 0.640              | 22.7                       | 0.907             | 0.532    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 166300  | 831.5       | 1             | 104       | 23.5                       | 22.5                     | 0.717            | 0.903             | 0.393             | 0.495              | 22.7                       | 0.751             | 0.412    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 166300  | 831.5       | 50            | 28        | 23.5                       | 22.5                     | 0.626            | 0.788             | 0.342             | 0.431              | 22.7                       | 0.656             | 0.358    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 166300  | 831.5       | 1             | 104       | 23.5                       | 22.5                     | 0.864            | 1.088             | 0.490             | 0.617              | 22.7                       | 0.905             | 0.513    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 166300  | 831.5       | 50            | 28        | 23.5                       | 22.5                     | 0.819            | 1.031             | 0.468             | 0.589              | 22.7                       | 0.858             | 0.490    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 166300  | 831.5       | 1             | 104       | 23.5                       | 22.5                     | 0.609            | 0.767             | 0.321             | 0.404              | 22.7                       | 0.638             | 0.336    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 166300  | 831.5       | 50            | 28        | 23.5                       | 22.5                     | 0.554            | 0.697             | 0.289             | 0.364              | 22.7                       | 0.580             | 0.303    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 166300  | 831.5       | 1             | 1         | 24.7                       | 23.7                     | 0.552            | 0.695             | 0.331             | 0.417              | 24.7                       | 0.695             | 0.417    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 166300  | 831.5       | 50            | 28        | 24.7                       | 23.9                     | 0.644            | <b>0.781</b>      | 0.384             | 0.466              | 24.7                       | <b>0.781</b>      | 0.466    | 72                 |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 166300  | 831.5       | 1             | 1         | 24.7                       | 23.7                     | 0.539            | 0.679             | 0.307             | 0.386              | 24.7                       | 0.679             | 0.386    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 166300  | 831.5       | 50            | 28        | 24.7                       | 23.9                     | 0.600            | 0.728             | 0.344             | 0.417              | 24.7                       | 0.728             | 0.417    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 166300  | 831.5       | 1             | 1         | 24.7                       | 23.7                     | 0.372            | 0.468             | 0.186             | 0.234              | 24.7                       | 0.468             | 0.234    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 166300  | 831.5       | 50            | 28        | 24.7                       | 23.9                     | 0.436            | 0.529             | 0.212             | 0.257              | 24.7                       | 0.529             | 0.257    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 166300  | 831.5       | 1             | 1         | 24.7                       | 23.7                     | 0.160            | 0.201             | 0.107             | 0.135              | 24.7                       | 0.201             | 0.135    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 166300  | 831.5       | 50            | 28        | 24.7                       | 23.9                     | 0.197            | 0.239             | 0.132             | 0.160              | 24.7                       | 0.239             | 0.160    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Left        | 166300  | 831.5       | 1             | 1         | 24.7                       | 23.7                     | 0.106            | 0.133             | 0.055             | 0.069              | 24.7                       | 0.133             | 0.069    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Left        | 166300  | 831.5       | 50            | 28        | 24.7                       | 23.9                     | 0.128            | 0.155             | 0.067             | 0.081              | 24.7                       | 0.155             | 0.081    |                    |

### 10.26. NR Band n30 (10MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No.     |                   |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|--------------|-------------------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 462000  | 2310.0      | 1             | 1         | 25.7                       | 24.8                     | 0.274            | 0.337             | 0.156             | 0.192              | 25.7                       | 0.337        | 0.192             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 462000  | 2310.0      | 25            | 14        | 25.7                       | 25.0                     | 0.300            | 0.352             | 0.170             | 0.200              | 25.7                       | 0.352        | 0.200             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 462000  | 2310.0      | 1             | 1         | 25.7                       | 24.8                     | 0.238            | 0.293             | 0.125             | 0.154              | 25.7                       | 0.293        | 0.154             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 462000  | 2310.0      | 25            | 14        | 25.7                       | 25.0                     | 0.256            | 0.301             | 0.135             | 0.159              | 25.7                       | 0.301        | 0.159             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 462000  | 2310.0      | 1             | 1         | 25.7                       | 24.8                     | 0.501            | 0.616             | 0.283             | 0.348              | 25.7                       | 0.616        | 0.348             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 462000  | 2310.0      | 25            | 14        | 25.7                       | 25.0                     | 0.575            | 0.676             | 0.323             | 0.379              | 25.7                       | 0.676        | 0.379             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 462000  | 2310.0      | 1             | 1         | 25.7                       | 24.8                     | 0.156            | 0.192             | 0.088             | 0.108              | 25.7                       | 0.192        | 0.108             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 462000  | 2310.0      | 25            | 14        | 25.7                       | 25.0                     | 0.196            | 0.230             | 0.110             | 0.129              | 25.7                       | 0.230        | 0.129             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 462000  | 2310.0      | 1             | 1         | 22.9                       | 21.8                     | 0.838            | 1.080             | 0.408             | 0.526              | 22.1                       | 0.898        | 0.437             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 462000  | 2310.0      | 25            | 14        | 22.9                       | 21.9                     | 0.859            | 1.081             | 0.419             | 0.527              | 22.1                       | 0.899        | 0.439             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 462000  | 2310.0      | 1             | 1         | 22.9                       | 21.8                     | 0.584            | 0.752             | 0.275             | 0.354              | 22.1                       | 0.626        | 0.295             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 462000  | 2310.0      | 25            | 14        | 22.9                       | 21.9                     | 0.550            | 0.692             | 0.258             | 0.325              | 22.1                       | 0.576        | 0.270             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 462000  | 2310.0      | 1             | 1         | 22.9                       | 21.8                     | 0.756            | 0.974             | 0.333             | 0.429              | 22.1                       | 0.810        | 0.357             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 462000  | 2310.0      | 25            | 14        | 22.9                       | 21.9                     | 0.844            | <b>1.063</b>      | 0.375             | 0.472              | 22.1                       | <b>0.884</b> | 0.393             | 73                 |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 462000  | 2310.0      | 1             | 1         | 22.9                       | 21.8                     | 0.285            | 0.367             | 0.133             | 0.171              | 22.1                       | 0.305        | 0.143             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 462000  | 2310.0      | 25            | 14        | 22.9                       | 21.9                     | 0.362            | 0.456             | 0.167             | 0.210              | 22.1                       | 0.379        | 0.175             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 462000  | 2310.0      | 1             | 1         | 22.9                       | 21.8                     | 0.038            | 0.049             | 0.019             | 0.024              | 22.1                       | 0.041        | 0.020             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 462000  | 2310.0      | 25            | 14        | 22.9                       | 21.9                     | 0.055            | 0.069             | 0.028             | 0.035              | 22.1                       | 0.058        | 0.029             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 462000  | 2310.0      | 1             | 50        | 20.4                       | 18.7                     | 0.330            | 0.488             | 0.133             | 0.197              | 19.6                       | 0.406             | 0.164    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 462000  | 2310.0      | 25            | 14        | 20.4                       | 18.7                     | 0.347            | 0.513             | 0.142             | 0.210              | 19.6                       | 0.427             | 0.175    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 462000  | 2310.0      | 1             | 50        | 20.4                       | 18.7                     | 0.291            | 0.430             | 0.116             | 0.172              | 19.6                       | 0.358             | 0.143    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 462000  | 2310.0      | 25            | 14        | 20.4                       | 18.7                     | 0.301            | 0.445             | 0.120             | 0.177              | 19.6                       | 0.370             | 0.148    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 462000  | 2310.0      | 1             | 50        | 20.4                       | 18.7                     | 0.516            | 0.763             | 0.205             | 0.303              | 19.6                       | 0.635             | 0.252    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 462000  | 2310.0      | 25            | 14        | 20.4                       | 18.7                     | 0.550            | 0.814             | 0.228             | 0.337              | 19.6                       | 0.677             | 0.281    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 462000  | 2310.0      | 1             | 50        | 20.4                       | 18.7                     | 0.391            | 0.578             | 0.148             | 0.219              | 19.6                       | 0.481             | 0.182    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 462000  | 2310.0      | 25            | 14        | 20.4                       | 18.7                     | 0.403            | 0.596             | 0.152             | 0.225              | 19.6                       | 0.496             | 0.187    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 462000  | 2310.0      | 1             | 1         | 19.2                       | 17.5                     | 0.450            | 0.666             | 0.204             | 0.302              | 18.4                       | 0.554             | 0.251    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 462000  | 2310.0      | 25            | 14        | 19.2                       | 17.5                     | 0.457            | 0.676             | 0.207             | 0.306              | 18.4                       | 0.562             | 0.255    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 462000  | 2310.0      | 1             | 1         | 19.2                       | 17.5                     | 0.180            | 0.266             | 0.076             | 0.112              | 18.4                       | 0.221             | 0.094    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 462000  | 2310.0      | 25            | 14        | 19.2                       | 17.5                     | 0.182            | 0.269             | 0.078             | 0.115              | 18.4                       | 0.224             | 0.096    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 462000  | 2310.0      | 1             | 1         | 19.2                       | 17.5                     | 0.100            | 0.148             | 0.036             | 0.053              | 18.4                       | 0.123             | 0.044    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 462000  | 2310.0      | 25            | 14        | 19.2                       | 17.5                     | 0.114            | 0.169             | 0.047             | 0.070              | 18.4                       | 0.140             | 0.058    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 462000  | 2310.0      | 1             | 1         | 19.2                       | 17.5                     | 0.012            | 0.018             | 0.006             | 0.009              | 18.4                       | 0.015             | 0.007    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 462000  | 2310.0      | 25            | 14        | 19.2                       | 17.5                     | 0.012            | 0.018             | 0.006             | 0.009              | 18.4                       | 0.015             | 0.007    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 462000  | 2310.0      | 1             | 1         | 19.2                       | 17.5                     | 0.198            | 0.293             | 0.099             | 0.146              | 18.4                       | 0.244             | 0.122    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 462000  | 2310.0      | 25            | 14        | 19.2                       | 17.5                     | 0.204            | 0.302             | 0.102             | 0.151              | 18.4                       | 0.251             | 0.125    |                    |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 462000  | 2310.0      | 1             | 1         | 24.0                       | 22.9                     | 0.327            | 0.421             | 0.192             | 0.247              | 23.2                       | 0.350             | 0.206    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 462000  | 2310.0      | 25            | 14        | 24.0                       | 23.0                     | 0.321            | 0.404             | 0.189             | 0.238              | 23.2                       | 0.336             | 0.198    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 462000  | 2310.0      | 1             | 1         | 24.0                       | 22.9                     | 0.180            | 0.232             | 0.094             | 0.121              | 23.2                       | 0.193             | 0.101    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 462000  | 2310.0      | 25            | 14        | 24.0                       | 23.0                     | 0.179            | 0.225             | 0.092             | 0.116              | 23.2                       | 0.187             | 0.096    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 462000  | 2310.0      | 1             | 1         | 24.0                       | 22.9                     | 0.213            | 0.274             | 0.124             | 0.160              | 23.2                       | 0.228             | 0.133    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 462000  | 2310.0      | 25            | 14        | 24.0                       | 23.0                     | 0.176            | 0.222             | 0.102             | 0.128              | 23.2                       | 0.184             | 0.107    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 462000  | 2310.0      | 1             | 1         | 24.0                       | 22.9                     | 0.272            | 0.350             | 0.139             | 0.179              | 23.2                       | 0.291             | 0.149    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 462000  | 2310.0      | 25            | 14        | 24.0                       | 23.0                     | 0.253            | 0.319             | 0.123             | 0.155              | 23.2                       | 0.265             | 0.129    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 462000  | 2310.0      | 1             | 1         | 22.3                       | 21.5                     | 0.965            | <b>1.160</b>      | 0.472             | 0.567              | 21.5                       | <b>0.965</b>      | 0.472    | 74                 |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 462000  | 2310.0      | 25            | 14        | 22.3                       | 21.6                     | 0.898            | 1.055             | 0.439             | 0.516              | 21.5                       | 0.878             | 0.429    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 462000  | 2310.0      | 1             | 1         | 22.3                       | 21.5                     | 0.802            | 0.964             | 0.417             | 0.501              | 21.5                       | 0.802             | 0.417    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 462000  | 2310.0      | 25            | 14        | 22.3                       | 21.6                     | 0.773            | 0.908             | 0.401             | 0.471              | 21.5                       | 0.755             | 0.392    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 462000  | 2310.0      | 1             | 1         | 22.3                       | 21.5                     | 0.366            | 0.440             | 0.190             | 0.228              | 21.5                       | 0.366             | 0.190    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 462000  | 2310.0      | 25            | 14        | 22.3                       | 21.6                     | 0.348            | 0.409             | 0.180             | 0.211              | 21.5                       | 0.340             | 0.176    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 462000  | 2310.0      | 1             | 1         | 22.3                       | 21.5                     | 0.737            | 0.886             | 0.367             | 0.441              | 21.5                       | 0.737             | 0.367    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 462000  | 2310.0      | 25            | 14        | 22.3                       | 21.6                     | 0.724            | 0.851             | 0.360             | 0.423              | 21.5                       | 0.708             | 0.352    |                    |



| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 462000  | 2310.0      | 1             | 50        | 20.4                       | 20.1                     | 0.815            | 0.873             | 0.421             | 0.451              | 19.6                       | 0.726             | 0.375    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 462000  | 2310.0      | 25            | 14        | 20.4                       | 20.1                     | 0.934            | <b>1.001</b>      | 0.481             | 0.515              | 19.6                       | <b>0.832</b>      | 0.429    | 75                 |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 462000  | 2310.0      | 1             | 50        | 20.4                       | 20.1                     | 0.462            | 0.495             | 0.222             | 0.238              | 19.6                       | 0.412             | 0.198    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 462000  | 2310.0      | 25            | 14        | 20.4                       | 20.1                     | 0.495            | 0.530             | 0.240             | 0.257              | 19.6                       | 0.441             | 0.214    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 462000  | 2310.0      | 1             | 50        | 20.4                       | 20.1                     | 0.326            | 0.349             | 0.177             | 0.190              | 19.6                       | 0.291             | 0.158    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 462000  | 2310.0      | 25            | 14        | 20.4                       | 20.1                     | 0.310            | 0.332             | 0.169             | 0.181              | 19.6                       | 0.276             | 0.151    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 462000  | 2310.0      | 1             | 50        | 20.4                       | 20.1                     | 0.165            | 0.177             | 0.091             | 0.098              | 19.6                       | 0.147             | 0.081    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 462000  | 2310.0      | 25            | 14        | 20.4                       | 20.1                     | 0.166            | 0.178             | 0.092             | 0.099              | 19.6                       | 0.148             | 0.082    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 462000  | 2310.0      | 1             | 50        | 19.9                       | 18.5                     | 0.350            | 0.483             | 0.172             | 0.237              | 19.1                       | 0.402             | 0.197    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 462000  | 2310.0      | 25            | 14        | 19.9                       | 18.6                     | 0.342            | 0.461             | 0.168             | 0.227              | 19.1                       | 0.384             | 0.188    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 462000  | 2310.0      | 1             | 50        | 19.9                       | 18.5                     | 0.260            | 0.359             | 0.139             | 0.192              | 19.1                       | 0.299             | 0.160    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 462000  | 2310.0      | 25            | 14        | 19.9                       | 18.6                     | 0.256            | 0.345             | 0.136             | 0.183              | 19.1                       | 0.287             | 0.153    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 462000  | 2310.0      | 1             | 50        | 19.9                       | 18.5                     | 0.097            | 0.134             | 0.041             | 0.057              | 19.1                       | 0.111             | 0.047    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 462000  | 2310.0      | 25            | 14        | 19.9                       | 18.6                     | 0.083            | 0.112             | 0.036             | 0.049              | 19.1                       | 0.093             | 0.040    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 462000  | 2310.0      | 1             | 50        | 19.9                       | 18.5                     | 0.692            | 0.955             | 0.329             | 0.454              | 19.1                       | 0.795             | 0.378    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 462000  | 2310.0      | 25            | 14        | 19.9                       | 18.6                     | 0.714            | 0.963             | 0.340             | 0.459              | 19.1                       | 0.801             | 0.381    |                    |

### 10.27. NR Band n41 PC3 (100MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No.     |                   |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|--------------|-------------------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 518598  | 2593.0      | 1             | 271       | 25.7                       | 25.3                     | 0.276            | 0.303             | 0.132             | 0.145              | 25.7                       | 0.303        | 0.145             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 518598  | 2593.0      | 135           | 69        | 25.7                       | 25.4                     | 0.174            | 0.186             | 0.093             | 0.100              | 25.7                       | 0.186        | 0.100             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 518598  | 2593.0      | 1             | 271       | 25.7                       | 25.3                     | 0.212            | 0.232             | 0.113             | 0.124              | 25.7                       | 0.232        | 0.124             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 518598  | 2593.0      | 135           | 69        | 25.7                       | 25.4                     | 0.188            | 0.201             | 0.103             | 0.110              | 25.7                       | 0.201        | 0.110             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 518598  | 2593.0      | 1             | 271       | 25.7                       | 25.3                     | 0.341            | 0.374             | 0.185             | 0.203              | 25.7                       | 0.374        | 0.203             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 518598  | 2593.0      | 135           | 69        | 25.7                       | 25.4                     | 0.338            | 0.362             | 0.186             | 0.199              | 25.7                       | 0.362        | 0.199             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 518598  | 2593.0      | 1             | 271       | 25.7                       | 25.3                     | 0.163            | 0.179             | 0.084             | 0.092              | 25.7                       | 0.179        | 0.092             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 518598  | 2593.0      | 135           | 69        | 25.7                       | 25.4                     | 0.147            | 0.158             | 0.078             | 0.084              | 25.7                       | 0.158        | 0.084             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 518598  | 2593.0      | 1             | 271       | 21.9                       | 20.5                     | 0.516            | 0.712             | 0.245             | 0.338              | 21.1                       | 0.592        | 0.281             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 518598  | 2593.0      | 135           | 69        | 21.9                       | 20.6                     | 0.601            | 0.811             | 0.279             | 0.376              | 21.1                       | 0.674        | 0.313             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 518598  | 2593.0      | 1             | 271       | 21.9                       | 20.5                     | 0.542            | 0.748             | 0.234             | 0.323              | 21.1                       | 0.622        | 0.269             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 518598  | 2593.0      | 135           | 69        | 21.9                       | 20.6                     | 0.690            | <b>0.931</b>      | 0.292             | 0.394              | 21.1                       | <b>0.774</b> | 0.328             | 76                 |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 518598  | 2593.0      | 1             | 271       | 21.9                       | 20.5                     | 0.710            | 0.980             | 0.303             | 0.418              | 21.1                       | 0.815        | 0.348             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 518598  | 2593.0      | 135           | 69        | 21.9                       | 20.6                     | 0.619            | 0.835             | 0.265             | 0.357              | 21.1                       | 0.695        | 0.297             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 518598  | 2593.0      | 1             | 271       | 21.9                       | 20.5                     | 0.808            | 1.115             | 0.334             | 0.461              | 21.1                       | 0.928        | 0.383             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 518598  | 2593.0      | 135           | 69        | 21.9                       | 20.6                     | 0.881            | <b>1.188</b>      | 0.374             | 0.505              | 21.1                       | <b>0.988</b> | 0.420             | 77                 |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 518598  | 2593.0      | 1             | 271       | 21.9                       | 20.5                     | 0.024            | 0.033             | 0.011             | 0.015              | 21.1                       | 0.028        | 0.013             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 518598  | 2593.0      | 135           | 69        | 21.9                       | 20.6                     | 0.030            | 0.040             | 0.013             | 0.018              | 21.1                       | 0.034        | 0.015             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 518598  | 2593.0      | 1             | 271       | 18.3                       | 17.4                     | 0.673            | 0.828             | 0.231             | 0.284              | 17.5                       | 0.689             | 0.236    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 518598  | 2593.0      | 135           | 69        | 18.3                       | 17.2                     | 0.768            | 0.989             | 0.268             | 0.345              | 17.5                       | 0.823             | 0.287    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 518598  | 2593.0      | 1             | 271       | 18.3                       | 17.4                     | 0.568            | 0.699             | 0.191             | 0.235              | 17.5                       | 0.581             | 0.195    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 518598  | 2593.0      | 135           | 69        | 18.3                       | 17.2                     | 0.721            | 0.929             | 0.249             | 0.321              | 17.5                       | 0.773             | 0.267    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 518598  | 2593.0      | 1             | 271       | 18.3                       | 17.4                     | 0.500            | 0.615             | 0.193             | 0.237              | 17.5                       | 0.512             | 0.197    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 518598  | 2593.0      | 135           | 69        | 18.3                       | 17.2                     | 0.622            | 0.801             | 0.254             | 0.327              | 17.5                       | 0.666             | 0.272    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 518598  | 2593.0      | 1             | 271       | 18.3                       | 17.4                     | 0.426            | 0.524             | 0.159             | 0.196              | 17.5                       | 0.436             | 0.163    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 518598  | 2593.0      | 135           | 69        | 18.3                       | 17.2                     | 0.515            | 0.663             | 0.201             | 0.259              | 17.5                       | 0.552             | 0.215    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 518598  | 2593.0      | 1             | 271       | 19.2                       | 17.8                     | 0.475            | 0.656             | 0.196             | 0.271              | 18.4                       | 0.545             | 0.225    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 518598  | 2593.0      | 135           | 69        | 19.2                       | 17.6                     | 0.465            | 0.672             | 0.189             | 0.273              | 18.4                       | 0.559             | 0.227    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 518598  | 2593.0      | 1             | 271       | 19.2                       | 17.8                     | 0.366            | 0.505             | 0.143             | 0.197              | 18.4                       | 0.420             | 0.164    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 518598  | 2593.0      | 135           | 69        | 19.2                       | 17.6                     | 0.481            | 0.695             | 0.194             | 0.280              | 18.4                       | 0.578             | 0.233    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 518598  | 2593.0      | 1             | 271       | 19.2                       | 17.8                     | 0.336            | 0.464             | 0.114             | 0.157              | 18.4                       | 0.386             | 0.131    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 518598  | 2593.0      | 135           | 69        | 19.2                       | 17.6                     | 0.409            | 0.591             | 0.141             | 0.204              | 18.4                       | 0.492             | 0.170    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 518598  | 2593.0      | 1             | 271       | 19.2                       | 17.8                     | 0.017            | 0.023             | 0.008             | 0.011              | 18.4                       | 0.020             | 0.009    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 518598  | 2593.0      | 135           | 69        | 19.2                       | 17.6                     | 0.019            | 0.027             | 0.008             | 0.012              | 18.4                       | 0.023             | 0.010    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 518598  | 2593.0      | 1             | 271       | 19.2                       | 17.8                     | 0.186            | 0.257             | 0.081             | 0.112              | 18.4                       | 0.214             | 0.093    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 518598  | 2593.0      | 135           | 69        | 19.2                       | 17.6                     | 0.242            | 0.350             | 0.107             | 0.155              | 18.4                       | 0.291             | 0.129    |                    |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 518598  | 2593.0      | 1             | 271       | 25.3                       | 24.4                     | 0.615            | 0.757             | 0.335             | 0.412              | 24.5                       | 0.629             | 0.343    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 518598  | 2593.0      | 135           | 69        | 25.3                       | 24.3                     | 0.579            | 0.729             | 0.320             | 0.403              | 24.5                       | 0.606             | 0.335    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 518598  | 2593.0      | 1             | 271       | 25.3                       | 24.4                     | 0.191            | 0.235             | 0.103             | 0.127              | 24.5                       | 0.195             | 0.105    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 518598  | 2593.0      | 135           | 69        | 25.3                       | 24.3                     | 0.194            | 0.244             | 0.104             | 0.131              | 24.5                       | 0.203             | 0.109    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 518598  | 2593.0      | 1             | 271       | 25.3                       | 24.4                     | 0.255            | 0.314             | 0.149             | 0.183              | 24.5                       | 0.261             | 0.152    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 518598  | 2593.0      | 135           | 69        | 25.3                       | 24.3                     | 0.263            | 0.331             | 0.154             | 0.194              | 24.5                       | 0.275             | 0.161    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 518598  | 2593.0      | 1             | 271       | 25.3                       | 24.4                     | 0.268            | 0.330             | 0.144             | 0.177              | 24.5                       | 0.274             | 0.147    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 518598  | 2593.0      | 135           | 69        | 25.3                       | 24.3                     | 0.269            | 0.339             | 0.146             | 0.184              | 24.5                       | 0.282             | 0.153    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 518598  | 2593.0      | 1             | 271       | 21.4                       | 20.4                     | 0.599            | 0.754             | 0.294             | 0.370              | 20.6                       | 0.627             | 0.308    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 518598  | 2593.0      | 135           | 69        | 21.4                       | 20.4                     | 0.561            | 0.706             | 0.290             | 0.365              | 20.6                       | 0.587             | 0.304    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 518598  | 2593.0      | 1             | 271       | 21.4                       | 20.4                     | 0.462            | 0.582             | 0.241             | 0.303              | 20.6                       | 0.484             | 0.252    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 518598  | 2593.0      | 135           | 69        | 21.4                       | 20.4                     | 0.552            | 0.695             | 0.280             | 0.352              | 20.6                       | 0.578             | 0.293    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 518598  | 2593.0      | 1             | 271       | 21.4                       | 20.4                     | 0.109            | 0.137             | 0.052             | 0.065              | 20.6                       | 0.114             | 0.054    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 518598  | 2593.0      | 135           | 69        | 21.4                       | 20.4                     | 0.097            | 0.122             | 0.048             | 0.060              | 20.6                       | 0.102             | 0.050    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 518598  | 2593.0      | 1             | 271       | 21.4                       | 20.4                     | 0.917            | 1.154             | 0.406             | 0.511              | 20.6                       | 0.960             | 0.425    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 518598  | 2593.0      | 135           | 69        | 21.4                       | 20.4                     | 0.880            | 1.108             | 0.393             | 0.495              | 20.6                       | 0.921             | 0.412    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 518598  | 2593.0      | 1             | 271       | 22.4                       | 20.4                     | 0.703            | 1.114             | 0.315             | 0.499              | 21.6                       | 0.927             | 0.415    | 78                 |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 518598  | 2593.0      | 135           | 69        | 22.4                       | 20.4                     | 0.668            | 1.059             | 0.306             | 0.485              | 21.6                       | 0.881             | 0.403    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 518598  | 2593.0      | 1             | 271       | 22.4                       | 20.4                     | 0.359            | 0.569             | 0.173             | 0.274              | 21.6                       | 0.473             | 0.228    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 518598  | 2593.0      | 135           | 69        | 22.4                       | 20.4                     | 0.354            | 0.561             | 0.168             | 0.266              | 21.6                       | 0.467             | 0.221    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 518598  | 2593.0      | 1             | 271       | 22.4                       | 20.4                     | 0.262            | 0.415             | 0.135             | 0.214              | 21.6                       | 0.345             | 0.178    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 518598  | 2593.0      | 135           | 69        | 22.4                       | 20.4                     | 0.309            | 0.490             | 0.162             | 0.257              | 21.6                       | 0.407             | 0.214    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 518598  | 2593.0      | 1             | 271       | 22.4                       | 20.4                     | 0.079            | 0.125             | 0.042             | 0.067              | 21.6                       | 0.104             | 0.055    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 518598  | 2593.0      | 135           | 69        | 22.4                       | 20.4                     | 0.116            | 0.184             | 0.064             | 0.101              | 21.6                       | 0.153             | 0.084    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 518598  | 2593.0      | 1             | 1         | 22.7                       | 20.7                     | 0.505            | 0.800             | 0.224             | 0.355              | 21.9                       | 0.666             | 0.295    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 518598  | 2593.0      | 135           | 69        | 22.7                       | 20.7                     | 0.508            | 0.805             | 0.224             | 0.355              | 21.9                       | 0.670             | 0.295    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 518598  | 2593.0      | 1             | 1         | 22.7                       | 20.7                     | 0.362            | 0.574             | 0.174             | 0.276              | 21.9                       | 0.477             | 0.229    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 518598  | 2593.0      | 135           | 69        | 22.7                       | 20.7                     | 0.315            | 0.499             | 0.150             | 0.238              | 21.9                       | 0.415             | 0.198    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 518598  | 2593.0      | 1             | 1         | 22.7                       | 20.7                     | 0.098            | 0.155             | 0.043             | 0.068              | 21.9                       | 0.129             | 0.057    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 518598  | 2593.0      | 135           | 69        | 22.7                       | 20.7                     | 0.115            | 0.182             | 0.049             | 0.078              | 21.9                       | 0.152             | 0.065    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 518598  | 2593.0      | 1             | 1         | 22.7                       | 20.7                     | 0.523            | 0.829             | 0.234             | 0.371              | 21.9                       | 0.689             | 0.308    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 518598  | 2593.0      | 135           | 69        | 22.7                       | 20.7                     | 0.736            | 1.166             | 0.333             | 0.528              | 21.9                       | 0.970             | 0.439    |                    |

### 10.28. NR Band n41 PC2 (100MHz Bandwidth)

From May 2017 TCB Workshop, SAR tested were performed using Power Class 3. SAR test for Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each 5G NR (FR1) configuration and exposure condition combination. According to the highest time averaged power for UL-DL configurations, configuration # 1 with duty cycle 50% is used for Power Class 2 SAR test.

Additional SAR testing for Power Class 2 is not required when:

- The reported SAR vs. output power can be linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg

#### Reported SAR vs. Output Power linearly scaled

| Antenna    | Exposure               | PC2        |            |            | PC3        |           |            |       | PC2 Scale | Lin. Scaled | Testing Required? |
|------------|------------------------|------------|------------|------------|------------|-----------|------------|-------|-----------|-------------|-------------------|
|            |                        | Duty Cycle | Max Power  | Frame Avg. | Duty Cycle | Max Power | Frame Avg. | SAR   |           |             |                   |
| ANT 1      | Head                   | 50.0%      | 28.7       | 370.66     | 100.0%     | 25.7      | 371.54     | 0.374 | 0.373     | -0.2%       | No                |
| ANT 1      | Body & Hotspot         | 50.0%      | 21.9       | 77.44      | 100.0%     | 21.9      | 154.88     | 0.931 | 0.465     | -50.0%      | No                |
| ANT 1      | Hotspot                | 50.0%      | 21.9       | 77.44      | 100.0%     | 21.9      | 154.88     | 1.188 | 0.594     | -50.0%      | No                |
| ANT 1      | Extremity Held-to-Head | 50.0%      | 28.7       | 370.66     | 100.0%     | 25.7      | 371.54     | 1.546 | 1.542     | -0.3%       | No                |
| Antenna    | Exposure               | PC2        |            |            | PC3        |           |            |       | PC2 Scale | Lin. Scaled | Testing Required? |
| Duty Cycle | Max Power              | Frame Avg. | Duty Cycle | Max Power  | Frame Avg. | SAR       |            |       |           |             |                   |
| ANT 2      | Head                   | 50.0%      | 18.3       | 33.8       | 100.0%     | 18.3      | 67.83      | 0.989 | 0.493     | -50.2%      | No                |
| ANT 2      | Body & Hotspot         | 50.0%      | 19.2       | 41.59      | 100.0%     | 19.2      | 83.45      | 0.695 | 0.347     | -50.1%      | No                |
| ANT 2      | Hotspot                | 50.0%      | 19.2       | 41.59      | 100.0%     | 19.2      | 83.45      | 0.591 | 0.295     | -50.1%      | No                |
| Antenna    | Exposure               | PC2        |            |            | PC3        |           |            |       | PC2 Scale | Lin. Scaled | Testing Required? |
| Duty Cycle | Max Power              | Frame Avg. | Duty Cycle | Max Power  | Frame Avg. | SAR       |            |       |           |             |                   |
| ANT 3      | Head                   | 50.0%      | 25.3       | 169.42     | 100.0%     | 25.3      | 235.18     | 0.757 | 0.545     | -28.0%      | No                |
| ANT 3      | Body & Hotspot         | 50.0%      | 21.4       | 69.02      | 100.0%     | 21.4      | 138.49     | 0.754 | 0.376     | -50.1%      | No                |
| ANT 3      | Hotspot                | 50.0%      | 21.4       | 69.02      | 100.0%     | 21.4      | 138.49     | 1.154 | 0.575     | -50.2%      | No                |
| ANT 3      | Extremity Held-to-Head | 50.0%      | 25.3       | 169.42     | 100.0%     | 25.3      | 235.18     | 1.784 | 1.285     | -28.0%      | No                |
| Antenna    | Exposure               | PC2        |            |            | PC3        |           |            |       | PC2 Scale | Lin. Scaled | Testing Required? |
| Duty Cycle | Max Power              | Frame Avg. | Duty Cycle | Max Power  | Frame Avg. | SAR       |            |       |           |             |                   |
| ANT 4      | Head                   | 50.0%      | 22.4       | 86.89      | 100.0%     | 22.4      | 155.38     | 1.114 | 0.623     | -44.1%      | No                |
| ANT 4      | Body & Hotspot         | 50.0%      | 22.7       | 93.1       | 100.0%     | 22.7      | 186.81     | 0.805 | 0.401     | -50.2%      | No                |
| ANT 4      | Hotspot                | 50.0%      | 22.7       | 93.1       | 100.0%     | 22.7      | 186.81     | 1.166 | 0.581     | -50.2%      | No                |

#### Conclusion:

SAR test for Power Class 2 is not required because the PC3 reported SAR <1.4 W/kg and PC2 reported SAR vs. output power linearly scaled <10%.

### 10.29. NR Band n48 (100MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No. |                   |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|----------|-------------------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 7      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 642890  | 3643.4      | 1             | 1         | 25.3                       | 23.7                     | 0.121            | 0.175             | 0.056             | 0.081              | 24.5                       | 0.145    | 0.067             |                    |
| ANT 7      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 642890  | 3643.4      | 50            | 28        | 25.3                       | 23.7                     | 0.106            | 0.153             | 0.048             | 0.069              | 24.5                       | 0.127    | 0.058             |                    |
| ANT 7      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 642890  | 3643.4      | 1             | 1         | 25.3                       | 23.7                     | 0.086            | 0.124             | 0.034             | 0.049              | 24.5                       | 0.103    | 0.041             |                    |
| ANT 7      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 642890  | 3643.4      | 50            | 28        | 25.3                       | 23.7                     | 0.077            | 0.111             | 0.030             | 0.043              | 24.5                       | 0.093    | 0.036             |                    |
| ANT 7      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 642890  | 3643.4      | 1             | 1         | 25.3                       | 23.7                     | 0.155            | 0.224             | 0.070             | 0.101              | 24.5                       | 0.186    | 0.084             |                    |
| ANT 7      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 642890  | 3643.4      | 50            | 28        | 25.3                       | 23.7                     | 0.150            | 0.217             | 0.067             | 0.097              | 24.5                       | 0.180    | 0.081             |                    |
| ANT 7      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 642890  | 3643.4      | 1             | 1         | 25.3                       | 23.7                     | 0.061            | 0.088             | 0.026             | 0.038              | 24.5                       | 0.073    | 0.031             |                    |
| ANT 7      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 642890  | 3643.4      | 50            | 28        | 25.3                       | 23.7                     | 0.058            | 0.084             | 0.025             | 0.036              | 24.5                       | 0.070    | 0.030             |                    |
| ANT 7      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 642890  | 3643.4      | 1             | 104       | 22.0                       | 20.9                     | 0.504            | 0.649             | 0.178             | 0.229              | 21.2                       | 0.540    | 0.191             |                    |
| ANT 7      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 642890  | 3643.4      | 50            | 28        | 22.0                       | 20.9                     | 0.594            | 0.765             | 0.211             | 0.272              | 21.2                       | 0.636    | 0.226             |                    |
| ANT 7      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 642890  | 3643.4      | 1             | 104       | 22.0                       | 20.9                     | 0.336            | 0.433             | 0.125             | 0.161              | 21.2                       | 0.360    | 0.134             |                    |
| ANT 7      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 642890  | 3643.4      | 50            | 28        | 22.0                       | 20.9                     | 0.350            | 0.451             | 0.131             | 0.169              | 21.2                       | 0.375    | 0.140             |                    |
| ANT 7      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 642890  | 3643.4      | 1             | 104       | 22.0                       | 20.9                     | 0.689            | 0.888             | 0.242             | 0.312              | 21.2                       | 0.738    | 0.259             |                    |
| ANT 7      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 642890  | 3643.4      | 50            | 28        | 22.0                       | 20.9                     | 0.825            | 1.063             | 0.288             | 0.371              | 21.2                       | 0.884    | 0.309             |                    |
| ANT 7      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 642890  | 3643.4      | 1             | 104       | 22.0                       | 20.9                     | 0.188            | 0.242             | 0.056             | 0.072              | 21.2                       | 0.201    | 0.060             |                    |
| ANT 7      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 642890  | 3643.4      | 50            | 28        | 22.0                       | 20.9                     | 0.191            | 0.246             | 0.057             | 0.073              | 21.2                       | 0.205    | 0.061             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 8      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 642890  | 3643.4      | 1             | 1         | 24.5                       | 22.7                     | 0.639            | 0.967             | 0.210             | 0.318              | 23.7                       | 0.804             | 0.264    |                    |
| ANT 8      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 642890  | 3643.4      | 50            | 28        | 24.5                       | 22.7                     | 0.646            | 0.978             | 0.212             | 0.321              | 23.7                       | 0.813             | 0.267    |                    |
| ANT 8      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 642890  | 3643.4      | 1             | 1         | 24.5                       | 22.7                     | 0.717            | 1.085             | 0.223             | 0.338              | 23.7                       | 0.903             | 0.281    |                    |
| ANT 8      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 642890  | 3643.4      | 50            | 28        | 24.5                       | 22.7                     | 0.715            | 1.082             | 0.218             | 0.330              | 23.7                       | 0.900             | 0.274    |                    |
| ANT 8      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 642890  | 3643.4      | 1             | 1         | 24.5                       | 22.7                     | 0.607            | 0.919             | 0.211             | 0.319              | 23.7                       | 0.764             | 0.266    |                    |
| ANT 8      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 642890  | 3643.4      | 50            | 28        | 24.5                       | 22.7                     | 0.656            | 0.993             | 0.233             | 0.353              | 23.7                       | 0.826             | 0.293    |                    |
| ANT 8      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 642890  | 3643.4      | 1             | 1         | 24.5                       | 22.7                     | 0.725            | 1.097             | 0.247             | 0.374              | 23.7                       | 0.913             | 0.311    |                    |
| ANT 8      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 642890  | 3643.4      | 50            | 28        | 24.5                       | 22.7                     | 0.786            | 1.190             | 0.292             | 0.442              | 23.7                       | 0.990             | 0.368    | 79                 |
| ANT 8      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 642890  | 3643.4      | 1             | 104       | 20.3                       | 18.9                     | 0.744            | 1.027             | 0.292             | 0.403              | 19.5                       | 0.854             | 0.335    |                    |
| ANT 8      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 642890  | 3643.4      | 50            | 28        | 20.3                       | 18.9                     | 0.784            | 1.082             | 0.306             | 0.422              | 19.5                       | 0.900             | 0.351    | 80                 |
| ANT 8      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 642890  | 3643.4      | 1             | 104       | 20.3                       | 18.9                     | 0.103            | 0.142             | 0.035             | 0.048              | 19.5                       | 0.118             | 0.040    |                    |
| ANT 8      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 642890  | 3643.4      | 50            | 28        | 20.3                       | 18.9                     | 0.115            | 0.159             | 0.039             | 0.054              | 19.5                       | 0.132             | 0.045    |                    |
| ANT 8      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 642890  | 3643.4      | 1             | 104       | 20.3                       | 18.9                     | 0.163            | 0.225             | 0.063             | 0.087              | 19.5                       | 0.187             | 0.072    |                    |
| ANT 8      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 642890  | 3643.4      | 50            | 28        | 20.3                       | 18.9                     | 0.186            | 0.257             | 0.073             | 0.101              | 19.5                       | 0.214             | 0.084    |                    |
| ANT 8      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 642890  | 3643.4      | 1             | 104       | 20.3                       | 18.9                     | 0.175            | 0.242             | 0.072             | 0.099              | 19.5                       | 0.201             | 0.083    |                    |
| ANT 8      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 642890  | 3643.4      | 50            | 28        | 20.3                       | 18.9                     | 0.186            | 0.257             | 0.076             | 0.105              | 19.5                       | 0.214             | 0.087    |                    |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 642890  | 3643.4      | 1             | 104       | 22.2                       | 22.1                     | 0.358            | 0.366             | 0.156             | 0.160              | 21.4                       | 0.305             | 0.133    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 642890  | 3643.4      | 50            | 28        | 22.2                       | 22.2                     | 0.332            | 0.332             | 0.145             | 0.145              | 21.4                       | 0.276             | 0.121    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 642890  | 3643.4      | 1             | 104       | 22.2                       | 22.1                     | 0.100            | 0.102             | 0.044             | 0.045              | 21.4                       | 0.085             | 0.037    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 642890  | 3643.4      | 50            | 28        | 22.2                       | 22.2                     | 0.091            | 0.091             | 0.040             | 0.040              | 21.4                       | 0.076             | 0.033    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 642890  | 3643.4      | 1             | 104       | 22.2                       | 22.1                     | 0.188            | 0.192             | 0.085             | 0.087              | 21.4                       | 0.160             | 0.072    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 642890  | 3643.4      | 50            | 28        | 22.2                       | 22.2                     | 0.182            | 0.182             | 0.082             | 0.082              | 21.4                       | 0.151             | 0.068    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 642890  | 3643.4      | 1             | 104       | 22.2                       | 22.1                     | 0.159            | 0.163             | 0.069             | 0.071              | 21.4                       | 0.135             | 0.059    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 642890  | 3643.4      | 50            | 28        | 22.2                       | 22.2                     | 0.146            | 0.146             | 0.064             | 0.064              | 21.4                       | 0.121             | 0.053    |                    |
| ANT 9      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 642890  | 3643.4      | 1             | 104       | 19.5                       | 19.4                     | 0.597            | 0.611             | 0.243             | 0.249              | 18.7                       | 0.508             | 0.207    |                    |
| ANT 9      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 642890  | 3643.4      | 50            | 28        | 19.5                       | 19.4                     | 0.647            | 0.662             | 0.263             | 0.269              | 18.7                       | 0.551             | 0.224    |                    |
| ANT 9      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 642890  | 3643.4      | 1             | 104       | 19.5                       | 19.4                     | 0.489            | 0.500             | 0.189             | 0.193              | 18.7                       | 0.416             | 0.161    |                    |
| ANT 9      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 642890  | 3643.4      | 50            | 28        | 19.5                       | 19.4                     | 0.489            | 0.500             | 0.189             | 0.193              | 18.7                       | 0.416             | 0.161    |                    |
| ANT 9      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 642890  | 3643.4      | 1             | 104       | 19.5                       | 19.4                     | 0.248            | 0.254             | 0.106             | 0.108              | 18.7                       | 0.211             | 0.090    |                    |
| ANT 9      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 642890  | 3643.4      | 50            | 28        | 19.5                       | 19.4                     | 0.262            | 0.268             | 0.111             | 0.114              | 18.7                       | 0.223             | 0.094    |                    |
| ANT 9      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 642890  | 3643.4      | 1             | 104       | 19.5                       | 19.4                     | 1.140            | 1.167             | 0.432             | 0.442              | 18.7                       | 0.970             | 0.368    |                    |
| ANT 9      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 642890  | 3643.4      | 50            | 28        | 19.5                       | 19.4                     | 1.150            | 1.177             | 0.436             | 0.446              | 18.7                       | 0.979             | 0.371    | 81                 |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   |                    | Power State 2              |                   |                    | Plot No. |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|--------------------|----------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |          |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 642890  | 3643.4      | 1             | 1         | 18.5                       | 17.9                     | 0.995            | 1.142             | 0.370             | 0.425              | 17.7                       | 0.950             | 0.353              |          |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 642890  | 3643.4      | 50            | 28        | 18.5                       | 17.9                     | 1.000            | 1.148             | 0.373             | 0.428              | 17.7                       | 0.955             | 0.356              |          |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 642890  | 3643.4      | 1             | 1         | 18.5                       | 17.9                     | 0.395            | 0.454             | 0.155             | 0.178              | 17.7                       | 0.377             | 0.148              |          |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 642890  | 3643.4      | 50            | 28        | 18.5                       | 17.9                     | 0.356            | 0.409             | 0.140             | 0.161              | 17.7                       | 0.340             | 0.134              |          |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 642890  | 3643.4      | 1             | 1         | 18.5                       | 17.9                     | 0.162            | 0.186             | 0.077             | 0.088              | 17.7                       | 0.155             | 0.074              |          |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 642890  | 3643.4      | 50            | 28        | 18.5                       | 17.9                     | 0.157            | 0.180             | 0.076             | 0.087              | 17.7                       | 0.150             | 0.073              |          |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 642890  | 3643.4      | 1             | 1         | 18.5                       | 17.9                     | 0.131            | 0.150             | 0.051             | 0.059              | 17.7                       | 0.125             | 0.049              |          |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 642890  | 3643.4      | 50            | 28        | 18.5                       | 17.9                     | 0.129            | 0.148             | 0.049             | 0.056              | 17.7                       | 0.123             | 0.047              |          |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 642890  | 3643.4      | 1             | 1         | 20.4                       | 19.0                     | 0.408            | 0.563             | 0.157             | 0.217              | 19.6                       | 0.468             | 0.180              |          |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 642890  | 3643.4      | 50            | 28        | 20.4                       | 19.0                     | 0.434            | 0.599             | 0.164             | 0.226              | 19.6                       | 0.498             | 0.188              |          |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 642890  | 3643.4      | 1             | 1         | 20.4                       | 19.0                     | 0.404            | 0.558             | 0.152             | 0.210              | 19.6                       | 0.464             | 0.175              |          |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 642890  | 3643.4      | 50            | 28        | 20.4                       | 19.0                     | 0.406            | 0.560             | 0.151             | 0.208              | 19.6                       | 0.466             | 0.173              |          |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 642890  | 3643.4      | 1             | 1         | 20.4                       | 19.0                     | 0.072            | 0.099             | 0.029             | 0.040              | 19.6                       | 0.083             | 0.033              |          |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 642890  | 3643.4      | 50            | 28        | 20.4                       | 19.0                     | 0.094            | 0.130             | 0.037             | 0.051              | 19.6                       | 0.108             | 0.042              |          |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 642890  | 3643.4      | 1             | 1         | 20.4                       | 19.0                     | 0.859            | 1.186             | 0.317             | 0.438              | 19.6                       | 0.986             | 0.364              |          |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 642890  | 3643.4      | 50            | 28        | 20.4                       | 19.0                     | 0.843            | 1.164             | 0.312             | 0.431              | 19.6                       | 0.968             | 0.358              |          |



### 10.30. NR Band n53 (10MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No. |                   |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|----------|-------------------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 497860  | 2489.3      | 1             | 22        | 20.7                       | 19.0                     | 0.207            | 0.306             | 0.113             | 0.167              | 20.7                       | 0.306    | 0.167             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 497860  | 2489.3      | 12            | 6         | 20.7                       | 19.0                     | 0.221            | 0.327             | 0.117             | 0.173              | 20.7                       | 0.327    | 0.173             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 497860  | 2489.3      | 1             | 22        | 20.7                       | 19.0                     | 0.229            | 0.339             | 0.124             | 0.183              | 20.7                       | 0.339    | 0.183             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 497860  | 2489.3      | 12            | 6         | 20.7                       | 19.0                     | 0.273            | 0.404             | 0.140             | 0.207              | 20.7                       | 0.404    | 0.207             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 497860  | 2489.3      | 1             | 22        | 20.7                       | 19.0                     | 0.393            | 0.581             | 0.218             | 0.322              | 20.7                       | 0.581    | 0.322             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 497860  | 2489.3      | 12            | 6         | 20.7                       | 19.0                     | 0.436            | 0.645             | 0.233             | 0.345              | 20.7                       | 0.645    | 0.345             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 497860  | 2489.3      | 1             | 22        | 20.7                       | 19.0                     | 0.173            | 0.256             | 0.098             | 0.145              | 20.7                       | 0.256    | 0.145             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 497860  | 2489.3      | 12            | 6         | 20.7                       | 19.0                     | 0.190            | 0.281             | 0.106             | 0.157              | 20.7                       | 0.281    | 0.157             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 497860  | 2489.3      | 1             | 1         | 20.7                       | 19.0                     | 0.621            | 0.919             | 0.291             | 0.430              | 20.7                       | 0.919    | 0.430             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 497860  | 2489.3      | 12            | 6         | 20.7                       | 19.0                     | 0.633            | <b>0.936</b>      | 0.300             | 0.444              | 20.7                       | 0.936    | 0.444             | 82                 |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 497860  | 2489.3      | 1             | 1         | 20.7                       | 19.0                     | 0.467            | 0.691             | 0.223             | 0.330              | 20.7                       | 0.691    | 0.330             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 497860  | 2489.3      | 12            | 6         | 20.7                       | 19.0                     | 0.507            | 0.750             | 0.241             | 0.356              | 20.7                       | 0.750    | 0.356             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 497860  | 2489.3      | 1             | 1         | 20.7                       | 19.0                     | 0.626            | <b>0.926</b>      | 0.285             | 0.422              | 20.7                       | 0.926    | 0.422             | 83                 |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 497860  | 2489.3      | 12            | 6         | 20.7                       | 19.0                     | 0.596            | 0.882             | 0.274             | 0.405              | 20.7                       | 0.882    | 0.405             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 497860  | 2489.3      | 1             | 1         | 20.7                       | 19.0                     | 0.508            | 0.751             | 0.223             | 0.330              | 20.7                       | 0.751    | 0.330             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 497860  | 2489.3      | 12            | 6         | 20.7                       | 19.0                     | 0.495            | 0.732             | 0.217             | 0.321              | 20.7                       | 0.732    | 0.321             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 497860  | 2489.3      | 1             | 1         | 20.7                       | 19.0                     | 0.005            | 0.007             | 0.000             | 0.000              | 20.7                       | 0.007    | 0.000             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 497860  | 2489.3      | 12            | 6         | 20.7                       | 19.0                     | 0.008            | 0.012             | 0.002             | 0.003              | 20.7                       | 0.012    | 0.003             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Cheek       | 497860  | 2489.3      | 1             | 1         | 18.3                       | 17.0                     | 0.828            | 1.117             | 0.316             | 0.426              | 17.5                       | 0.929             | 0.355    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Cheek       | 497860  | 2489.3      | 12            | 6         | 18.3                       | 17.1                     | 0.873            | 1.151             | 0.332             | 0.438              | 17.5                       | 0.957             | 0.364    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Tilt        | 497860  | 2489.3      | 1             | 1         | 18.3                       | 17.0                     | 0.855            | 1.153             | 0.316             | 0.426              | 17.5                       | 0.959             | 0.355    | 84                 |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Left Tilt        | 497860  | 2489.3      | 12            | 6         | 18.3                       | 17.1                     | 0.854            | 1.126             | 0.318             | 0.419              | 17.5                       | 0.936             | 0.349    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Cheek      | 497860  | 2489.3      | 1             | 1         | 18.3                       | 17.0                     | 0.669            | 0.902             | 0.284             | 0.383              | 17.5                       | 0.751             | 0.319    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Cheek      | 497860  | 2489.3      | 12            | 6         | 18.3                       | 17.1                     | 0.653            | 0.861             | 0.255             | 0.336              | 17.5                       | 0.716             | 0.280    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Tilt       | 497860  | 2489.3      | 1             | 1         | 18.3                       | 17.0                     | 0.548            | 0.739             | 0.233             | 0.314              | 17.5                       | 0.615             | 0.261    |                    |
| ANT 2      | Head                     | DFT-s-OFDM tt/2 BPSK | Mode A        | 0          | Right Tilt       | 497860  | 2489.3      | 12            | 6         | 18.3                       | 17.1                     | 0.542            | 0.714             | 0.220             | 0.290              | 17.5                       | 0.594             | 0.241    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Back             | 497860  | 2489.3      | 1             | 1         | 19.2                       | 17.3                     | 0.539            | 0.835             | 0.212             | 0.328              | 18.4                       | 0.694             | 0.273    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Back             | 497860  | 2489.3      | 12            | 6         | 19.2                       | 17.4                     | 0.551            | 0.834             | 0.216             | 0.327              | 18.4                       | 0.694             | 0.272    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Front            | 497860  | 2489.3      | 1             | 1         | 19.2                       | 17.3                     | 0.519            | 0.804             | 0.203             | 0.314              | 18.4                       | 0.669             | 0.262    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Front            | 497860  | 2489.3      | 12            | 6         | 19.2                       | 17.4                     | 0.522            | 0.790             | 0.204             | 0.309              | 18.4                       | 0.657             | 0.257    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Top         | 497860  | 2489.3      | 1             | 1         | 19.2                       | 17.3                     | 0.525            | 0.813             | 0.191             | 0.296              | 18.4                       | 0.676             | 0.246    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Top         | 497860  | 2489.3      | 12            | 6         | 19.2                       | 17.4                     | 0.523            | 0.792             | 0.188             | 0.285              | 18.4                       | 0.658             | 0.237    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Right       | 497860  | 2489.3      | 1             | 1         | 19.2                       | 17.3                     | 0.036            | 0.056             | 0.016             | 0.025              | 18.4                       | 0.046             | 0.021    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Right       | 497860  | 2489.3      | 12            | 6         | 19.2                       | 17.4                     | 0.037            | 0.056             | 0.018             | 0.027              | 18.4                       | 0.047             | 0.023    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Left        | 497860  | 2489.3      | 1             | 1         | 19.2                       | 17.3                     | 0.274            | 0.424             | 0.128             | 0.198              | 18.4                       | 0.353             | 0.165    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM tt/2 BPSK | Mode B        | 5          | Edge Left        | 497860  | 2489.3      | 12            | 6         | 19.2                       | 17.4                     | 0.286            | 0.433             | 0.131             | 0.198              | 18.4                       | 0.360             | 0.165    |                    |

### 10.31. NR Band n66 (40MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No. |                   |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|----------|-------------------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 349000  | 1745.0      | 1             | 1         | 25.7                       | 25.0                     | 0.172            | 0.202             | 0.115             | 0.135              | 25.4                       | 0.189    | 0.126             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 349000  | 1745.0      | 108           | 54        | 25.7                       | 25.3                     | 0.222            | 0.243             | 0.149             | 0.163              | 25.4                       | 0.227    | 0.152             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 349000  | 1745.0      | 1             | 1         | 25.7                       | 25.0                     | 0.115            | 0.135             | 0.073             | 0.086              | 25.4                       | 0.126    | 0.080             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 349000  | 1745.0      | 108           | 54        | 25.7                       | 25.3                     | 0.159            | 0.174             | 0.099             | 0.109              | 25.4                       | 0.163    | 0.101             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 349000  | 1745.0      | 1             | 1         | 25.7                       | 25.0                     | 0.321            | 0.377             | 0.207             | 0.243              | 25.4                       | 0.352    | 0.227             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 349000  | 1745.0      | 108           | 54        | 25.7                       | 25.3                     | 0.433            | 0.475             | 0.277             | 0.304              | 25.4                       | 0.443    | 0.283             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 349000  | 1745.0      | 1             | 1         | 25.7                       | 25.0                     | 0.094            | 0.110             | 0.063             | 0.074              | 25.4                       | 0.103    | 0.069             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 349000  | 1745.0      | 108           | 54        | 25.7                       | 25.3                     | 0.113            | 0.124             | 0.076             | 0.083              | 25.4                       | 0.116    | 0.078             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 349000  | 1745.0      | 1             | 1         | 19.6                       | 18.9                     | 0.544            | 0.639             | 0.280             | 0.329              | 18.8                       | 0.532    | 0.274             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 349000  | 1745.0      | 108           | 54        | 19.6                       | 18.9                     | 0.615            | 0.723             | 0.317             | 0.372              | 18.8                       | 0.601    | 0.310             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 349000  | 1745.0      | 1             | 1         | 19.6                       | 18.9                     | 0.387            | 0.455             | 0.193             | 0.227              | 18.8                       | 0.378    | 0.189             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 349000  | 1745.0      | 108           | 54        | 19.6                       | 18.9                     | 0.479            | 0.563             | 0.239             | 0.281              | 18.8                       | 0.468    | 0.234             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 349000  | 1745.0      | 1             | 1         | 19.6                       | 18.9                     | 0.259            | 0.304             | 0.124             | 0.146              | 18.8                       | 0.253    | 0.121             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 349000  | 1745.0      | 108           | 54        | 19.6                       | 18.9                     | 0.338            | 0.397             | 0.162             | 0.190              | 18.8                       | 0.330    | 0.158             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 349000  | 1745.0      | 1             | 1         | 19.6                       | 18.9                     | 0.738            | 0.867             | 0.353             | 0.415              | 18.8                       | 0.721    | 0.345             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 349000  | 1745.0      | 108           | 54        | 19.6                       | 18.9                     | 0.874            | 1.027             | 0.414             | 0.486              | 18.8                       | 0.854    | 0.405             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 349000  | 1745.0      | 1             | 1         | 19.6                       | 18.9                     | 0.008            | 0.009             | 0.004             | 0.005              | 18.8                       | 0.008    | 0.004             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 349000  | 1745.0      | 108           | 54        | 19.6                       | 18.9                     | 0.008            | 0.009             | 0.005             | 0.006              | 18.8                       | 0.008    | 0.005             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 349000  | 1745.0      | 1             | 214       | 20.0                       | 18.4                     | 0.505            | 0.730             | 0.258             | 0.373              | 19.2                       | 0.607             | 0.310    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 349000  | 1745.0      | 108           | 54        | 20.0                       | 18.5                     | 0.476            | 0.672             | 0.222             | 0.314              | 19.2                       | 0.559             | 0.261    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 349000  | 1745.0      | 1             | 214       | 20.0                       | 18.4                     | 0.429            | 0.620             | 0.209             | 0.302              | 19.2                       | 0.516             | 0.251    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 349000  | 1745.0      | 108           | 54        | 20.0                       | 18.5                     | 0.429            | 0.606             | 0.200             | 0.283              | 19.2                       | 0.504             | 0.235    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 349000  | 1745.0      | 1             | 214       | 20.0                       | 18.4                     | 0.696            | 1.006             | 0.391             | 0.565              | 19.2                       | 0.837             | 0.470    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 349000  | 1745.0      | 108           | 54        | 20.0                       | 18.5                     | 0.733            | 1.035             | 0.388             | 0.548              | 19.2                       | 0.861             | 0.456    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 349000  | 1745.0      | 1             | 214       | 20.0                       | 18.4                     | 0.701            | 1.013             | 0.351             | 0.507              | 19.2                       | 0.843             | 0.422    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 349000  | 1745.0      | 108           | 54        | 20.0                       | 18.5                     | 0.785            | <b>1.109</b>      | 0.388             | 0.548              | 19.2                       | <b>0.922</b>      | 0.456    | 85                 |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 349000  | 1745.0      | 1             | 1         | 19.4                       | 17.4                     | 0.545            | 0.864             | 0.282             | 0.447              | 18.6                       | 0.718             | 0.372    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 349000  | 1745.0      | 108           | 54        | 19.4                       | 17.6                     | 0.473            | 0.719             | 0.241             | 0.366              | 18.6                       | 0.598             | 0.305    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 349000  | 1745.0      | 1             | 1         | 19.4                       | 17.4                     | 0.529            | 0.838             | 0.252             | 0.399              | 18.6                       | 0.697             | 0.332    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 349000  | 1745.0      | 108           | 54        | 19.4                       | 17.6                     | 0.509            | 0.774             | 0.248             | 0.377              | 18.6                       | 0.644             | 0.314    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 349000  | 1745.0      | 1             | 1         | 19.4                       | 17.4                     | 0.717            | <b>1.136</b>      | 0.331             | 0.525              | 18.6                       | <b>0.945</b>      | 0.436    | 86                 |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 349000  | 1745.0      | 108           | 54        | 19.4                       | 17.6                     | 0.665            | 1.011             | 0.316             | 0.480              | 18.6                       | 0.841             | 0.400    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 349000  | 1745.0      | 1             | 1         | 19.4                       | 17.4                     | 0.011            | 0.017             | 0.006             | 0.010              | 18.6                       | 0.015             | 0.008    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 349000  | 1745.0      | 108           | 54        | 19.4                       | 17.6                     | 0.015            | 0.023             | 0.008             | 0.012              | 18.6                       | 0.019             | 0.010    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 349000  | 1745.0      | 1             | 1         | 19.4                       | 17.4                     | 0.386            | 0.612             | 0.190             | 0.301              | 18.6                       | 0.509             | 0.250    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 349000  | 1745.0      | 108           | 54        | 19.4                       | 17.6                     | 0.373            | 0.567             | 0.182             | 0.277              | 18.6                       | 0.472             | 0.230    |                    |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 349000  | 1745.0      | 1             | 1         | 24.2                       | 23.2                     | 0.398            | 0.501             | 0.262             | 0.330              | 23.4                       | 0.417             | 0.274    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 349000  | 1745.0      | 108           | 54        | 24.2                       | 23.1                     | 0.441            | 0.568             | 0.287             | 0.370              | 23.4                       | 0.473             | 0.308    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 349000  | 1745.0      | 1             | 1         | 24.2                       | 23.2                     | 0.217            | 0.273             | 0.137             | 0.172              | 23.4                       | 0.227             | 0.143    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 349000  | 1745.0      | 108           | 54        | 24.2                       | 23.1                     | 0.228            | 0.294             | 0.142             | 0.183              | 23.4                       | 0.244             | 0.152    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 349000  | 1745.0      | 1             | 1         | 24.2                       | 23.2                     | 0.161            | 0.203             | 0.108             | 0.136              | 23.4                       | 0.169             | 0.113    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 349000  | 1745.0      | 108           | 54        | 24.2                       | 23.1                     | 0.177            | 0.228             | 0.122             | 0.157              | 23.4                       | 0.190             | 0.131    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 349000  | 1745.0      | 1             | 1         | 24.2                       | 23.2                     | 0.117            | 0.147             | 0.077             | 0.097              | 23.4                       | 0.123             | 0.081    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 349000  | 1745.0      | 108           | 54        | 24.2                       | 23.1                     | 0.135            | 0.174             | 0.088             | 0.113              | 23.4                       | 0.145             | 0.094    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 349000  | 1745.0      | 1             | 1         | 22.1                       | 21.4                     | 0.494            | 0.580             | 0.281             | 0.330              | 21.3                       | 0.483             | 0.275    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 349000  | 1745.0      | 108           | 54        | 22.1                       | 21.6                     | 0.621            | 0.697             | 0.353             | 0.396              | 21.3                       | 0.580             | 0.329    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 349000  | 1745.0      | 1             | 1         | 22.1                       | 21.4                     | 0.752            | <b>0.884</b>      | 0.424             | 0.498              | 21.3                       | <b>0.735</b>      | 0.414    | 87                 |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 349000  | 1745.0      | 108           | 54        | 22.1                       | 21.6                     | 0.553            | 0.620             | 0.316             | 0.355              | 21.3                       | 0.516             | 0.295    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 349000  | 1745.0      | 1             | 1         | 22.1                       | 21.4                     | 0.141            | 0.166             | 0.060             | 0.070              | 21.3                       | 0.138             | 0.059    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 349000  | 1745.0      | 108           | 54        | 22.1                       | 21.6                     | 0.206            | 0.231             | 0.089             | 0.100              | 21.3                       | 0.192             | 0.083    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 349000  | 1745.0      | 1             | 1         | 22.1                       | 21.4                     | 0.815            | 0.958             | 0.420             | 0.493              | 21.3                       | 0.796             | 0.410    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 349000  | 1745.0      | 108           | 54        | 22.1                       | 21.6                     | 0.917            | 1.029             | 0.469             | 0.526              | 21.3                       | 0.856             | 0.438    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 349000  | 1745.0      | 1             | 214       | 20.0                       | 18.4                     | 0.734            | 1.061             | 0.364             | 0.526              | 19.2                       | 0.882             | 0.438    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 349000  | 1745.0      | 108           | 54        | 20.0                       | 18.6                     | 0.806            | 1.105             | 0.403             | 0.552              | 19.2                       | 0.919             | 0.460    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 349000  | 1745.0      | 1             | 214       | 20.0                       | 18.4                     | 0.322            | 0.465             | 0.165             | 0.238              | 19.2                       | 0.387             | 0.198    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 349000  | 1745.0      | 108           | 54        | 20.0                       | 18.6                     | 0.367            | 0.503             | 0.185             | 0.254              | 19.2                       | 0.418             | 0.211    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 349000  | 1745.0      | 1             | 214       | 20.0                       | 18.4                     | 0.180            | 0.260             | 0.105             | 0.152              | 19.2                       | 0.216             | 0.126    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 349000  | 1745.0      | 108           | 54        | 20.0                       | 18.6                     | 0.072            | 0.099             | 0.043             | 0.059              | 19.2                       | 0.082             | 0.049    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 349000  | 1745.0      | 1             | 214       | 20.0                       | 18.4                     | 0.146            | 0.211             | 0.084             | 0.121              | 19.2                       | 0.176             | 0.101    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 349000  | 1745.0      | 108           | 54        | 20.0                       | 18.6                     | 0.132            | 0.181             | 0.075             | 0.103              | 19.2                       | 0.151             | 0.086    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 349000  | 1745.0      | 1             | 1         | 21.8                       | 20.4                     | 0.399            | 0.551             | 0.218             | 0.301              | 21.0                       | 0.480             | 0.262    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 349000  | 1745.0      | 108           | 54        | 21.8                       | 20.3                     | 0.416            | 0.593             | 0.217             | 0.309              | 21.0                       | 0.493             | 0.257    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 349000  | 1745.0      | 1             | 1         | 21.8                       | 20.4                     | 0.345            | 0.476             | 0.179             | 0.247              | 21.0                       | 0.415             | 0.215    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 349000  | 1745.0      | 108           | 54        | 21.8                       | 20.3                     | 0.351            | 0.500             | 0.193             | 0.275              | 21.0                       | 0.416             | 0.229    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 349000  | 1745.0      | 1             | 1         | 21.8                       | 20.4                     | 0.321            | 0.443             | 0.148             | 0.204              | 21.0                       | 0.386             | 0.178    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 349000  | 1745.0      | 108           | 54        | 21.8                       | 20.3                     | 0.293            | 0.418             | 0.136             | 0.194              | 21.0                       | 0.347             | 0.161    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 349000  | 1745.0      | 1             | 1         | 21.8                       | 20.4                     | 0.637            | 0.879             | 0.322             | 0.444              | 21.0                       | 0.766             | 0.387    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 349000  | 1745.0      | 108           | 54        | 21.8                       | 20.3                     | 0.756            | 1.078             | 0.384             | 0.547              | 21.0                       | 0.896             | 0.455    |                    |

### 10.32. NR Band n70 (15MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No. |                   |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|----------|-------------------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |          | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 340500  | 1702.5      | 1             | 1         | 25.7                       | 24.7                     | 0.074            | 0.093             | 0.051             | 0.064              | 25.3                       | 0.085    | 0.059             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 340500  | 1702.5      | 36            | 22        | 25.7                       | 25.2                     | 0.062            | 0.070             | 0.044             | 0.049              | 25.3                       | 0.063    | 0.045             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 340500  | 1702.5      | 1             | 1         | 25.7                       | 24.7                     | 0.066            | 0.083             | 0.043             | 0.054              | 25.3                       | 0.076    | 0.049             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 340500  | 1702.5      | 36            | 22        | 25.7                       | 25.2                     | 0.069            | 0.077             | 0.045             | 0.050              | 25.3                       | 0.071    | 0.046             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 340500  | 1702.5      | 1             | 1         | 25.7                       | 24.7                     | 0.189            | 0.238             | 0.120             | 0.151              | 25.3                       | 0.217    | 0.138             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 340500  | 1702.5      | 36            | 22        | 25.7                       | 25.2                     | 0.224            | 0.251             | 0.147             | 0.165              | 25.3                       | 0.229    | 0.150             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 340500  | 1702.5      | 1             | 1         | 25.7                       | 24.7                     | 0.056            | 0.070             | 0.038             | 0.048              | 25.3                       | 0.064    | 0.044             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 340500  | 1702.5      | 36            | 22        | 25.7                       | 25.2                     | 0.059            | 0.066             | 0.041             | 0.046              | 25.3                       | 0.060    | 0.042             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 340500  | 1702.5      | 1             | 1         | 19.6                       | 18.8                     | 0.500            | 0.601             | 0.255             | 0.307              | 18.8                       | 0.500    | 0.255             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 340500  | 1702.5      | 36            | 22        | 19.6                       | 18.8                     | 0.570            | 0.685             | 0.292             | 0.351              | 18.8                       | 0.570    | 0.292             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 340500  | 1702.5      | 1             | 1         | 19.6                       | 18.8                     | 0.396            | 0.476             | 0.199             | 0.239              | 18.8                       | 0.396    | 0.199             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 340500  | 1702.5      | 36            | 22        | 19.6                       | 18.8                     | 0.423            | 0.509             | 0.212             | 0.255              | 18.8                       | 0.423    | 0.212             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 340500  | 1702.5      | 1             | 1         | 19.6                       | 18.8                     | 0.149            | 0.179             | 0.071             | 0.085              | 18.8                       | 0.149    | 0.071             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 340500  | 1702.5      | 36            | 22        | 19.6                       | 18.8                     | 0.191            | 0.230             | 0.090             | 0.108              | 18.8                       | 0.191    | 0.090             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 340500  | 1702.5      | 1             | 1         | 19.6                       | 18.8                     | 0.775            | 0.932             | 0.377             | 0.453              | 18.8                       | 0.775    | 0.377             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 340500  | 1702.5      | 36            | 22        | 19.6                       | 18.8                     | 0.892            | 1.072             | 0.432             | 0.519              | 18.8                       | 0.892    | 0.432             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 340500  | 1702.5      | 1             | 1         | 19.6                       | 18.8                     | 0.011            | 0.013             | 0.006             | 0.007              | 18.8                       | 0.011    | 0.006             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 340500  | 1702.5      | 36            | 22        | 19.6                       | 18.8                     | 0.013            | 0.016             | 0.007             | 0.008              | 18.8                       | 0.013    | 0.007             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 340500  | 1702.5      | 1             | 1         | 20.0                       | 18.5                     | 0.755            | 1.066             | 0.359             | 0.507              | 19.2                       | 0.887             | 0.422    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 340500  | 1702.5      | 36            | 22        | 20.0                       | 18.5                     | 0.846            | <b>1.195</b>      | 0.398             | 0.562              | 19.2                       | <b>0.994</b>      | 0.468    | 88                 |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 340500  | 1702.5      | 1             | 1         | 20.0                       | 18.5                     | 0.680            | 0.961             | 0.322             | 0.455              | 19.2                       | 0.799             | 0.378    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 340500  | 1702.5      | 36            | 22        | 20.0                       | 18.5                     | 0.771            | 1.089             | 0.367             | 0.518              | 19.2                       | 0.906             | 0.431    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 340500  | 1702.5      | 1             | 1         | 20.0                       | 18.5                     | 0.680            | 0.961             | 0.363             | 0.513              | 19.2                       | 0.799             | 0.426    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 340500  | 1702.5      | 36            | 22        | 20.0                       | 18.5                     | 0.828            | 1.170             | 0.432             | 0.610              | 19.2                       | 0.973             | 0.508    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 340500  | 1702.5      | 1             | 1         | 20.0                       | 18.5                     | 0.687            | 0.970             | 0.340             | 0.480              | 19.2                       | 0.807             | 0.399    |                    |
| ANT 2      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 340500  | 1702.5      | 36            | 22        | 20.0                       | 18.5                     | 0.567            | 0.801             | 0.296             | 0.418              | 19.2                       | 0.666             | 0.348    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 340500  | 1702.5      | 1             | 1         | 19.4                       | 17.4                     | 0.562            | 0.891             | 0.284             | 0.450              | 18.6                       | 0.741             | 0.374    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 340500  | 1702.5      | 36            | 22        | 19.4                       | 17.4                     | 0.534            | 0.846             | 0.273             | 0.433              | 18.6                       | 0.704             | 0.360    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 340500  | 1702.5      | 1             | 1         | 19.4                       | 17.4                     | 0.545            | 0.864             | 0.257             | 0.407              | 18.6                       | 0.718             | 0.339    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 340500  | 1702.5      | 36            | 22        | 19.4                       | 17.4                     | 0.603            | <b>0.956</b>      | 0.283             | 0.449              | 18.6                       | <b>0.795</b>      | 0.373    | 89                 |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 340500  | 1702.5      | 1             | 1         | 19.4                       | 17.4                     | 0.749            | <b>1.187</b>      | 0.346             | 0.548              | 18.6                       | <b>0.987</b>      | 0.456    | 90                 |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 340500  | 1702.5      | 36            | 22        | 19.4                       | 17.4                     | 0.719            | 1.140             | 0.331             | 0.525              | 18.6                       | 0.948             | 0.436    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 340500  | 1702.5      | 1             | 1         | 19.4                       | 17.4                     | 0.006            | 0.010             | 0.003             | 0.005              | 18.6                       | 0.008             | 0.004    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 340500  | 1702.5      | 36            | 22        | 19.4                       | 17.4                     | 0.005            | 0.008             | 0.003             | 0.005              | 18.6                       | 0.007             | 0.004    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 340500  | 1702.5      | 1             | 1         | 19.4                       | 17.4                     | 0.247            | 0.391             | 0.123             | 0.195              | 18.6                       | 0.326             | 0.162    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 340500  | 1702.5      | 36            | 22        | 19.4                       | 17.4                     | 0.279            | 0.442             | 0.139             | 0.220              | 18.6                       | 0.368             | 0.183    |                    |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 340500  | 1702.5      | 1             | 77        | 24.2                       | 23.2                     | 0.294            | 0.370             | 0.193             | 0.243              | 23.4                       | 0.308             | 0.202    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 340500  | 1702.5      | 36            | 22        | 24.2                       | 23.3                     | 0.333            | 0.410             | 0.219             | 0.269              | 23.4                       | 0.341             | 0.224    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 340500  | 1702.5      | 1             | 77        | 24.2                       | 23.2                     | 0.213            | 0.268             | 0.138             | 0.174              | 23.4                       | 0.223             | 0.145    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 340500  | 1702.5      | 36            | 22        | 24.2                       | 23.3                     | 0.211            | 0.260             | 0.137             | 0.169              | 23.4                       | 0.216             | 0.140    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 340500  | 1702.5      | 1             | 77        | 24.2                       | 23.2                     | 0.152            | 0.191             | 0.103             | 0.130              | 23.4                       | 0.159             | 0.108    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 340500  | 1702.5      | 36            | 22        | 24.2                       | 23.3                     | 0.166            | 0.204             | 0.112             | 0.138              | 23.4                       | 0.170             | 0.115    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 340500  | 1702.5      | 1             | 77        | 24.2                       | 23.2                     | 0.136            | 0.171             | 0.089             | 0.112              | 23.4                       | 0.142             | 0.093    |                    |
| ANT 3      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 340500  | 1702.5      | 36            | 22        | 24.2                       | 23.3                     | 0.154            | 0.189             | 0.101             | 0.124              | 23.4                       | 0.158             | 0.103    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 340500  | 1702.5      | 1             | 77        | 22.1                       | 21.4                     | 0.694            | 0.815             | 0.399             | 0.469              | 21.3                       | 0.678             | 0.390    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 340500  | 1702.5      | 36            | 22        | 22.1                       | 21.6                     | 0.713            | 0.800             | 0.410             | 0.460              | 21.3                       | 0.665             | 0.383    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 340500  | 1702.5      | 1             | 77        | 22.1                       | 21.4                     | 0.655            | 0.770             | 0.359             | 0.422              | 21.3                       | 0.640             | 0.351    |                    |
| ANT 3      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 340500  | 1702.5      | 36            | 22        | 22.1                       | 21.6                     | 0.640            | 0.718             | 0.349             | 0.392              | 21.3                       | 0.597             | 0.326    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 340500  | 1702.5      | 1             | 77        | 22.1                       | 21.4                     | 0.176            | 0.207             | 0.067             | 0.079              | 21.3                       | 0.172             | 0.065    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 340500  | 1702.5      | 36            | 22        | 22.1                       | 21.6                     | 0.238            | 0.267             | 0.088             | 0.099              | 21.3                       | 0.222             | 0.082    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 340500  | 1702.5      | 1             | 77        | 22.1                       | 21.4                     | 0.819            | 0.962             | 0.422             | 0.496              | 21.3                       | 0.800             | 0.412    |                    |
| ANT 3      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 340500  | 1702.5      | 36            | 22        | 22.1                       | 21.6                     | 0.812            | 0.911             | 0.420             | 0.471              | 21.3                       | 0.758             | 0.392    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 340500  | 1702.5      | 1             | 77        | 20.0                       | 18.5                     | 0.500            | 0.706             | 0.269             | 0.380              | 19.2                       | 0.587             | 0.316    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 340500  | 1702.5      | 36            | 22        | 20.0                       | 18.6                     | 0.530            | 0.732             | 0.282             | 0.389              | 19.2                       | 0.609             | 0.324    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 340500  | 1702.5      | 1             | 77        | 20.0                       | 18.5                     | 0.341            | 0.482             | 0.165             | 0.233              | 19.2                       | 0.401             | 0.194    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 340500  | 1702.5      | 36            | 22        | 20.0                       | 18.6                     | 0.339            | 0.468             | 0.165             | 0.228              | 19.2                       | 0.389             | 0.189    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 340500  | 1702.5      | 1             | 77        | 20.0                       | 18.5                     | 0.194            | 0.274             | 0.114             | 0.161              | 19.2                       | 0.228             | 0.134    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 340500  | 1702.5      | 36            | 22        | 20.0                       | 18.6                     | 0.209            | 0.289             | 0.123             | 0.170              | 19.2                       | 0.240             | 0.141    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 340500  | 1702.5      | 1             | 77        | 20.0                       | 18.5                     | 0.154            | 0.218             | 0.090             | 0.127              | 19.2                       | 0.181             | 0.106    |                    |
| ANT 4      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 340500  | 1702.5      | 36            | 22        | 20.0                       | 18.6                     | 0.145            | 0.200             | 0.086             | 0.119              | 19.2                       | 0.166             | 0.099    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 340500  | 1702.5      | 1             | 77        | 21.8                       | 20.6                     | 0.328            | 0.432             | 0.184             | 0.243              | 21.0                       | 0.360             | 0.202    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 340500  | 1702.5      | 36            | 22        | 21.8                       | 20.6                     | 0.323            | 0.426             | 0.179             | 0.236              | 21.0                       | 0.354             | 0.196    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 340500  | 1702.5      | 1             | 77        | 21.8                       | 20.6                     | 0.283            | 0.373             | 0.158             | 0.208              | 21.0                       | 0.310             | 0.173    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 340500  | 1702.5      | 36            | 22        | 21.8                       | 20.6                     | 0.315            | 0.415             | 0.177             | 0.233              | 21.0                       | 0.345             | 0.194    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 340500  | 1702.5      | 1             | 77        | 21.8                       | 20.6                     | 0.247            | 0.326             | 0.117             | 0.154              | 21.0                       | 0.271             | 0.128    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 340500  | 1702.5      | 36            | 22        | 21.8                       | 20.6                     | 0.253            | 0.334             | 0.123             | 0.162              | 21.0                       | 0.277             | 0.135    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 340500  | 1702.5      | 1             | 77        | 21.8                       | 20.6                     | 0.633            | 0.834             | 0.325             | 0.428              | 21.0                       | 0.694             | 0.356    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 340500  | 1702.5      | 36            | 22        | 21.8                       | 20.6                     | 0.610            | 0.804             | 0.305             | 0.402              | 21.0                       | 0.669             | 0.334    |                    |



### 10.33. NR Band n71 (20MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   | Power State 2     |                    |                            | Plot No.     |                   |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|--------------|-------------------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) |              | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 136100  | 680.5       | 1             | 104       | 25.7                       | 24.7                     | 0.105            | 0.132             | 0.083             | 0.104              | 25.7                       | 0.132        | 0.104             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 136100  | 680.5       | 50            | 28        | 25.7                       | 24.9                     | 0.135            | 0.162             | 0.106             | 0.127              | 25.7                       | 0.162        | 0.127             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 136100  | 680.5       | 1             | 104       | 25.7                       | 24.7                     | 0.046            | 0.058             | 0.038             | 0.048              | 25.7                       | 0.058        | 0.048             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 136100  | 680.5       | 50            | 28        | 25.7                       | 24.9                     | 0.059            | 0.071             | 0.047             | 0.057              | 25.7                       | 0.071        | 0.057             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 136100  | 680.5       | 1             | 104       | 25.7                       | 24.7                     | 0.133            | 0.167             | 0.105             | 0.132              | 25.7                       | 0.167        | 0.132             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 136100  | 680.5       | 50            | 28        | 25.7                       | 24.9                     | 0.171            | 0.206             | 0.134             | 0.161              | 25.7                       | 0.206        | 0.161             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 136100  | 680.5       | 1             | 104       | 25.7                       | 24.7                     | 0.060            | 0.076             | 0.049             | 0.062              | 25.7                       | 0.076        | 0.062             |                    |
| ANT 1      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 136100  | 680.5       | 50            | 28        | 25.7                       | 24.9                     | 0.072            | 0.087             | 0.058             | 0.070              | 25.7                       | 0.087        | 0.070             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 136100  | 680.5       | 1             | 104       | 25.7                       | 24.7                     | 0.353            | <b>0.444</b>      | 0.221             | 0.278              | 25.7                       | <b>0.444</b> | 0.278             | 91                 |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 136100  | 680.5       | 50            | 28        | 25.7                       | 24.9                     | 0.345            | 0.415             | 0.217             | 0.261              | 25.7                       | 0.415        | 0.261             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 136100  | 680.5       | 1             | 104       | 25.7                       | 24.7                     | 0.234            | 0.295             | 0.150             | 0.189              | 25.7                       | 0.295        | 0.189             |                    |
| ANT 1      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 136100  | 680.5       | 50            | 28        | 25.7                       | 24.9                     | 0.240            | 0.289             | 0.162             | 0.195              | 25.7                       | 0.289        | 0.195             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 136100  | 680.5       | 1             | 104       | 25.7                       | 24.7                     | 0.421            | 0.530             | 0.281             | 0.354              | 25.7                       | 0.530        | 0.354             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 136100  | 680.5       | 50            | 28        | 25.7                       | 24.9                     | 0.539            | <b>0.648</b>      | 0.361             | 0.434              | 25.7                       | <b>0.648</b> | 0.434             | 92                 |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 136100  | 680.5       | 1             | 104       | 25.7                       | 24.7                     | 0.279            | 0.351             | 0.130             | 0.164              | 25.7                       | 0.351        | 0.164             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 136100  | 680.5       | 50            | 28        | 25.7                       | 24.9                     | 0.322            | 0.387             | 0.151             | 0.182              | 25.7                       | 0.387        | 0.182             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 136100  | 680.5       | 1             | 104       | 25.7                       | 24.7                     | 0.167            | 0.210             | 0.111             | 0.140              | 25.7                       | 0.210        | 0.140             |                    |
| ANT 1      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 136100  | 680.5       | 50            | 28        | 25.7                       | 24.9                     | 0.227            | 0.273             | 0.152             | 0.183              | 25.7                       | 0.273        | 0.183             |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1        |                    |                  |                   |                   | Power State 2      |                      |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 136100  | 680.5       | 1             | 1         | 24.7                 | 23.5               | 0.658            | <b>0.867</b>      | 0.347             | 0.457              | 24.7                 | <b>0.867</b>      | 0.457    | 93                 |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 136100  | 680.5       | 50            | 28        | 24.7                 | 23.9               | 0.687            | 0.826             | 0.359             | 0.432              | 24.7                 | 0.826             | 0.432    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 136100  | 680.5       | 1             | 1         | 24.7                 | 23.5               | 0.517            | 0.682             | 0.263             | 0.347              | 24.7                 | 0.682             | 0.347    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 136100  | 680.5       | 50            | 28        | 24.7                 | 23.9               | 0.549            | 0.660             | 0.275             | 0.331              | 24.7                 | 0.660             | 0.331    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 136100  | 680.5       | 1             | 1         | 24.7                 | 23.5               | 0.469            | 0.618             | 0.258             | 0.340              | 24.7                 | 0.618             | 0.340    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 136100  | 680.5       | 50            | 28        | 24.7                 | 23.9               | 0.509            | 0.612             | 0.279             | 0.335              | 24.7                 | 0.612             | 0.335    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 136100  | 680.5       | 1             | 1         | 24.7                 | 23.5               | 0.433            | 0.571             | 0.223             | 0.294              | 24.7                 | 0.571             | 0.294    |                    |
| ANT 2      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 136100  | 680.5       | 50            | 28        | 24.7                 | 23.9               | 0.483            | 0.581             | 0.249             | 0.299              | 24.7                 | 0.581             | 0.299    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 136100  | 680.5       | 1             | 1         | 24.7                 | 23.5               | 0.306            | 0.403             | 0.167             | 0.220              | 24.7                 | 0.403             | 0.220    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 136100  | 680.5       | 50            | 28        | 24.7                 | 23.9               | 0.355            | 0.427             | 0.197             | 0.237              | 24.7                 | 0.427             | 0.237    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 136100  | 680.5       | 1             | 1         | 24.7                 | 23.5               | 0.283            | 0.373             | 0.160             | 0.211              | 24.7                 | 0.373             | 0.211    |                    |
| ANT 2      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 136100  | 680.5       | 50            | 28        | 24.7                 | 23.9               | 0.333            | 0.400             | 0.188             | 0.226              | 24.7                 | 0.400             | 0.226    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 136100  | 680.5       | 1             | 1         | 24.7                 | 23.5               | 0.194            | 0.256             | 0.089             | 0.117              | 24.7                 | 0.256             | 0.117    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 136100  | 680.5       | 50            | 28        | 24.7                 | 23.9               | 0.226            | 0.272             | 0.104             | 0.125              | 24.7                 | 0.272             | 0.125    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 136100  | 680.5       | 1             | 1         | 24.7                 | 23.5               | 0.083            | 0.109             | 0.058             | 0.076              | 24.7                 | 0.109             | 0.076    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 136100  | 680.5       | 50            | 28        | 24.7                 | 23.9               | 0.091            | 0.109             | 0.062             | 0.075              | 24.7                 | 0.109             | 0.075    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Left        | 136100  | 680.5       | 1             | 1         | 24.7                 | 23.5               | 0.108            | 0.142             | 0.073             | 0.096              | 24.7                 | 0.142             | 0.096    |                    |
| ANT 2      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Left        | 136100  | 680.5       | 50            | 28        | 24.7                 | 23.9               | 0.114            | 0.137             | 0.062             | 0.075              | 24.7                 | 0.137             | 0.075    |                    |

### 10.34. NR Band n77 (Block A) PC3 (100MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 633334  | 3500.0      | 1             | 1         | 23.8                       | 22.1                     | 0.070            | 0.103             | 0.029             | 0.043              | 23.0                       | 0.085             | 0.035    |                    |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 633334  | 3500.0      | 135           | 69        | 23.8                       | 22.2                     | 0.052            | 0.075             | 0.020             | 0.029              | 23.0                       | 0.063             | 0.024    |                    |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 633334  | 3500.0      | 1             | 1         | 23.8                       | 22.1                     | 0.056            | 0.082             | 0.022             | 0.032              | 23.0                       | 0.068             | 0.027    |                    |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 633334  | 3500.0      | 135           | 69        | 23.8                       | 22.2                     | 0.054            | 0.078             | 0.022             | 0.032              | 23.0                       | 0.065             | 0.026    |                    |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 633334  | 3500.0      | 1             | 1         | 23.8                       | 22.1                     | 0.101            | 0.148             | 0.037             | 0.054              | 23.0                       | 0.123             | 0.045    |                    |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 633334  | 3500.0      | 135           | 69        | 23.8                       | 22.2                     | 0.061            | 0.088             | 0.020             | 0.029              | 23.0                       | 0.073             | 0.024    |                    |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 633334  | 3500.0      | 1             | 1         | 23.8                       | 22.1                     | 0.038            | 0.056             | 0.014             | 0.021              | 23.0                       | 0.046             | 0.017    |                    |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 633334  | 3500.0      | 135           | 69        | 23.8                       | 22.2                     | 0.033            | 0.048             | 0.011             | 0.016              | 23.0                       | 0.040             | 0.013    |                    |
| ANT 7      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 633334  | 3500.0      | 1             | 1         | 19.0                       | 17.5                     | 0.320            | 0.452             | 0.125             | 0.177              | 18.2                       | 0.376             | 0.147    |                    |
| ANT 7      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 633334  | 3500.0      | 135           | 69        | 19.0                       | 17.5                     | 0.292            | 0.416             | 0.109             | 0.155              | 18.2                       | 0.346             | 0.129    |                    |
| ANT 7      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 633334  | 3500.0      | 1             | 1         | 19.0                       | 17.5                     | 0.107            | 0.151             | 0.040             | 0.057              | 18.2                       | 0.126             | 0.047    |                    |
| ANT 7      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 633334  | 3500.0      | 135           | 69        | 19.0                       | 17.5                     | 0.088            | 0.125             | 0.031             | 0.044              | 18.2                       | 0.104             | 0.037    |                    |
| ANT 7      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 633334  | 3500.0      | 1             | 1         | 19.0                       | 17.5                     | 0.515            | 0.734             | 0.185             | 0.264              | 18.2                       | 0.611             | 0.219    |                    |
| ANT 7      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 633334  | 3500.0      | 135           | 69        | 19.0                       | 17.5                     | 0.412            | 0.587             | 0.149             | 0.212              | 18.2                       | 0.489             | 0.177    |                    |
| ANT 7      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Bottom      | 633334  | 3500.0      | 1             | 1         | 19.0                       | 17.5                     | 0.124            | 0.177             | 0.043             | 0.061              | 18.2                       | 0.147             | 0.051    |                    |
| ANT 7      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Bottom      | 633334  | 3500.0      | 135           | 69        | 19.0                       | 17.5                     | 0.114            | 0.163             | 0.037             | 0.053              | 18.2                       | 0.135             | 0.044    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 633334  | 3500.0      | 1             | 1         | 23.6                       | 22.2                     | 0.190            | 0.262             | 0.072             | 0.099              | 22.8                       | 0.218             | 0.083    |                    |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 633334  | 3500.0      | 135           | 69        | 23.6                       | 22.2                     | 0.183            | 0.253             | 0.069             | 0.095              | 22.8                       | 0.210             | 0.079    |                    |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 633334  | 3500.0      | 1             | 1         | 23.6                       | 22.2                     | 0.192            | 0.265             | 0.075             | 0.104              | 22.8                       | 0.220             | 0.086    |                    |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 633334  | 3500.0      | 135           | 69        | 23.6                       | 22.2                     | 0.210            | 0.290             | 0.084             | 0.116              | 22.8                       | 0.241             | 0.096    |                    |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 633334  | 3500.0      | 1             | 1         | 23.6                       | 22.2                     | 0.859            | 1.186             | 0.326             | 0.450              | 22.8                       | 0.986             | 0.374    |                    |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 633334  | 3500.0      | 135           | 69        | 23.6                       | 22.2                     | 0.755            | 1.042             | 0.289             | 0.399              | 22.8                       | 0.867             | 0.332    |                    |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 633334  | 3500.0      | 1             | 1         | 23.6                       | 22.2                     | 0.446            | 0.616             | 0.182             | 0.251              | 22.8                       | 0.512             | 0.209    |                    |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 633334  | 3500.0      | 135           | 69        | 23.6                       | 22.2                     | 0.425            | 0.587             | 0.179             | 0.247              | 22.8                       | 0.488             | 0.206    |                    |
| ANT 8      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 633334  | 3500.0      | 1             | 1         | 20.1                       | 18.6                     | 0.843            | <b>1.191</b>      | 0.306             | 0.432              | 19.3                       | <b>0.990</b>      | 0.360    | 94                 |
| ANT 8      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 633334  | 3500.0      | 135           | 69        | 20.1                       | 18.1                     | 0.734            | 1.163             | 0.271             | 0.430              | 19.3                       | 0.968             | 0.357    |                    |
| ANT 8      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 633334  | 3500.0      | 1             | 1         | 20.1                       | 18.6                     | 0.126            | 0.178             | 0.048             | 0.068              | 19.3                       | 0.148             | 0.056    |                    |
| ANT 8      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 633334  | 3500.0      | 135           | 69        | 20.1                       | 18.1                     | 0.101            | 0.160             | 0.041             | 0.065              | 19.3                       | 0.133             | 0.054    |                    |
| ANT 8      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 633334  | 3500.0      | 1             | 1         | 20.1                       | 18.6                     | 0.148            | 0.209             | 0.066             | 0.093              | 19.3                       | 0.174             | 0.078    |                    |
| ANT 8      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 633334  | 3500.0      | 135           | 69        | 20.1                       | 18.1                     | 0.130            | 0.206             | 0.061             | 0.097              | 19.3                       | 0.171             | 0.080    |                    |
| ANT 8      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Left        | 633334  | 3500.0      | 1             | 1         | 20.1                       | 18.6                     | 0.232            | 0.328             | 0.097             | 0.137              | 19.3                       | 0.273             | 0.114    |                    |
| ANT 8      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Left        | 633334  | 3500.0      | 135           | 69        | 20.1                       | 18.1                     | 0.218            | 0.346             | 0.089             | 0.141              | 19.3                       | 0.287             | 0.117    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 633334  | 3500.0      | 1             | 1         | 21.6                       | 20.9                     | 0.238            | 0.280             | 0.110             | 0.129              | 20.8                       | 0.233             | 0.107    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 633334  | 3500.0      | 135           | 69        | 21.6                       | 21.1                     | 0.253            | 0.284             | 0.117             | 0.131              | 20.8                       | 0.236             | 0.109    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 633334  | 3500.0      | 1             | 1         | 21.6                       | 20.9                     | 0.057            | 0.067             | 0.020             | 0.023              | 20.8                       | 0.056             | 0.020    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 633334  | 3500.0      | 135           | 69        | 21.6                       | 21.1                     | 0.065            | 0.073             | 0.022             | 0.025              | 20.8                       | 0.061             | 0.021    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 633334  | 3500.0      | 1             | 1         | 21.6                       | 20.9                     | 0.134            | 0.157             | 0.064             | 0.075              | 20.8                       | 0.131             | 0.063    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 633334  | 3500.0      | 135           | 69        | 21.6                       | 21.1                     | 0.165            | 0.185             | 0.078             | 0.088              | 20.8                       | 0.154             | 0.073    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 633334  | 3500.0      | 1             | 1         | 21.6                       | 20.9                     | 0.103            | 0.121             | 0.042             | 0.049              | 20.8                       | 0.101             | 0.041    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 633334  | 3500.0      | 135           | 69        | 21.6                       | 21.1                     | 0.109            | 0.122             | 0.045             | 0.050              | 20.8                       | 0.102             | 0.042    |                    |
| ANT 9      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 633334  | 3500.0      | 1             | 1         | 18.9                       | 17.9                     | 0.404            | 0.509             | 0.170             | 0.214              | 18.1                       | 0.423             | 0.178    |                    |
| ANT 9      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 633334  | 3500.0      | 135           | 69        | 18.9                       | 18.0                     | 0.446            | 0.549             | 0.185             | 0.228              | 18.1                       | 0.456             | 0.189    |                    |
| ANT 9      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 633334  | 3500.0      | 1             | 1         | 18.9                       | 17.9                     | 0.251            | 0.316             | 0.104             | 0.131              | 18.1                       | 0.263             | 0.109    |                    |
| ANT 9      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 633334  | 3500.0      | 135           | 69        | 18.9                       | 18.0                     | 0.268            | 0.330             | 0.109             | 0.134              | 18.1                       | 0.274             | 0.112    |                    |
| ANT 9      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 633334  | 3500.0      | 1             | 1         | 18.9                       | 17.9                     | 0.091            | 0.115             | 0.034             | 0.043              | 18.1                       | 0.095             | 0.036    |                    |
| ANT 9      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 633334  | 3500.0      | 135           | 69        | 18.9                       | 18.0                     | 0.081            | 0.100             | 0.031             | 0.038              | 18.1                       | 0.083             | 0.032    |                    |
| ANT 9      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 633334  | 3500.0      | 1             | 1         | 18.9                       | 17.9                     | 0.640            | 0.806             | 0.246             | 0.310              | 18.1                       | 0.670             | 0.258    |                    |
| ANT 9      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 633334  | 3500.0      | 135           | 69        | 18.9                       | 18.0                     | 0.612            | 0.753             | 0.234             | 0.288              | 18.1                       | 0.626             | 0.239    |                    |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 633334  | 3500.0      | 1             | 1         | 18.9                       | 17.5                     | 0.844            | 1.165             | 0.304             | 0.420              | 18.1                       | 0.969             | 0.349    |                    |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 633334  | 3500.0      | 135           | 69        | 18.9                       | 17.5                     | 0.866            | <b>1.195</b>      | 0.314             | 0.433              | 18.1                       | <b>0.994</b>      | 0.361    | 95                 |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 633334  | 3500.0      | 1             | 1         | 18.9                       | 17.5                     | 0.352            | 0.486             | 0.138             | 0.190              | 18.1                       | 0.404             | 0.158    |                    |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 633334  | 3500.0      | 135           | 69        | 18.9                       | 17.5                     | 0.336            | 0.464             | 0.132             | 0.182              | 18.1                       | 0.386             | 0.152    |                    |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 633334  | 3500.0      | 1             | 1         | 18.9                       | 17.5                     | 0.215            | 0.297             | 0.097             | 0.134              | 18.1                       | 0.247             | 0.111    |                    |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 633334  | 3500.0      | 135           | 69        | 18.9                       | 17.5                     | 0.200            | 0.276             | 0.091             | 0.126              | 18.1                       | 0.230             | 0.104    |                    |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 633334  | 3500.0      | 1             | 1         | 18.9                       | 17.5                     | 0.128            | 0.177             | 0.053             | 0.073              | 18.1                       | 0.147             | 0.061    |                    |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 633334  | 3500.0      | 135           | 69        | 18.9                       | 17.5                     | 0.122            | 0.168             | 0.050             | 0.069              | 18.1                       | 0.140             | 0.057    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 633334  | 3500.0      | 1             | 1         | 20.3                       | 19.3                     | 0.555            | 0.699             | 0.222             | 0.279              | 19.5                       | 0.581             | 0.232    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 633334  | 3500.0      | 135           | 69        | 20.3                       | 19.3                     | 0.554            | 0.697             | 0.221             | 0.278              | 19.5                       | 0.580             | 0.231    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 633334  | 3500.0      | 1             | 1         | 20.3                       | 19.3                     | 0.511            | 0.643             | 0.202             | 0.254              | 19.5                       | 0.535             | 0.212    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 633334  | 3500.0      | 135           | 69        | 20.3                       | 19.3                     | 0.545            | 0.686             | 0.215             | 0.271              | 19.5                       | 0.571             | 0.225    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 633334  | 3500.0      | 1             | 1         | 20.3                       | 19.3                     | 0.092            | 0.116             | 0.040             | 0.050              | 19.5                       | 0.096             | 0.042    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 633334  | 3500.0      | 135           | 69        | 20.3                       | 19.3                     | 0.075            | 0.094             | 0.037             | 0.047              | 19.5                       | 0.079             | 0.039    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 633334  | 3500.0      | 1             | 1         | 20.3                       | 19.3                     | 0.907            | <b>1.142</b>      | 0.342             | 0.431              | 19.5                       | <b>0.950</b>      | 0.358    | 96                 |
| ANT 4      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 633334  | 3500.0      | 135           | 69        | 20.3                       | 19.3                     | 0.835            | 1.051             | 0.319             | 0.402              | 19.5                       | 0.874             | 0.334    |                    |

### 10.35. NR Band n77 (Block C) PC3 (100MHz Bandwidth)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 657200  | 3858.0      | 1             | 1         | 23.8                       | 22.2                     | 0.080            | 0.116             | 0.028             | 0.040              | 23.0                       | 0.096             | 0.034    |                    |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 657200  | 3858.0      | 135           | 69        | 23.8                       | 22.1                     | 0.086            | 0.127             | 0.031             | 0.046              | 23.0                       | 0.106             | 0.038    |                    |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 657200  | 3858.0      | 1             | 1         | 23.8                       | 22.2                     | 0.066            | 0.095             | 0.023             | 0.033              | 23.0                       | 0.079             | 0.028    |                    |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 657200  | 3858.0      | 135           | 69        | 23.8                       | 22.1                     | 0.066            | 0.098             | 0.023             | 0.034              | 23.0                       | 0.081             | 0.028    |                    |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 657200  | 3858.0      | 1             | 1         | 23.8                       | 22.2                     | 0.044            | 0.064             | 0.019             | 0.027              | 23.0                       | 0.053             | 0.023    |                    |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 657200  | 3858.0      | 135           | 69        | 23.8                       | 22.1                     | 0.036            | 0.053             | 0.014             | 0.021              | 23.0                       | 0.044             | 0.017    |                    |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 657200  | 3858.0      | 1             | 1         | 23.8                       | 22.2                     | 0.033            | 0.048             | 0.010             | 0.014              | 23.0                       | 0.040             | 0.012    |                    |
| ANT 7      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 657200  | 3858.0      | 135           | 69        | 23.8                       | 22.1                     | 0.030            | 0.044             | 0.008             | 0.012              | 23.0                       | 0.037             | 0.010    |                    |
| ANT 7      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 657200  | 3858.0      | 1             | 1         | 19.0                       | 17.5                     | 0.291            | 0.411             | 0.094             | 0.133              | 18.2                       | 0.342             | 0.110    |                    |
| ANT 7      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 657200  | 3858.0      | 135           | 69        | 19.0                       | 17.4                     | 0.259            | 0.373             | 0.085             | 0.122              | 18.2                       | 0.310             | 0.102    |                    |
| ANT 7      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 657200  | 3858.0      | 1             | 1         | 19.0                       | 17.5                     | 0.135            | 0.191             | 0.050             | 0.071              | 18.2                       | 0.159             | 0.059    |                    |
| ANT 7      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 657200  | 3858.0      | 135           | 69        | 19.0                       | 17.4                     | 0.129            | 0.186             | 0.048             | 0.069              | 18.2                       | 0.154             | 0.057    |                    |
| ANT 7      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 657200  | 3858.0      | 1             | 1         | 19.0                       | 17.5                     | 0.349            | 0.493             | 0.111             | 0.157              | 18.2                       | 0.410             | 0.130    |                    |
| ANT 7      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Right       | 657200  | 3858.0      | 135           | 69        | 19.0                       | 17.4                     | 0.308            | 0.443             | 0.094             | 0.135              | 18.2                       | 0.369             | 0.112    |                    |
| ANT 7      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Bottom      | 657200  | 3858.0      | 1             | 1         | 19.0                       | 17.5                     | 0.077            | 0.109             | 0.023             | 0.032              | 18.2                       | 0.090             | 0.027    |                    |
| ANT 7      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Bottom      | 657200  | 3858.0      | 135           | 69        | 19.0                       | 17.4                     | 0.060            | 0.086             | 0.017             | 0.024              | 18.2                       | 0.072             | 0.020    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 657200  | 3858.0      | 1             | 1         | 23.6                       | 22.1                     | 0.152            | 0.215             | 0.052             | 0.073              | 22.8                       | 0.179             | 0.061    |                    |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Cheek       | 657200  | 3858.0      | 135           | 69        | 23.6                       | 21.6                     | 0.141            | 0.223             | 0.046             | 0.073              | 22.8                       | 0.186             | 0.061    |                    |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 657200  | 3858.0      | 1             | 1         | 23.6                       | 22.1                     | 0.179            | 0.253             | 0.049             | 0.069              | 22.8                       | 0.210             | 0.058    |                    |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Left Tilt        | 657200  | 3858.0      | 135           | 69        | 23.6                       | 21.6                     | 0.142            | 0.225             | 0.045             | 0.071              | 22.8                       | 0.187             | 0.059    |                    |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 657200  | 3858.0      | 1             | 1         | 23.6                       | 22.1                     | 0.523            | <b>0.739</b>      | 0.196             | 0.277              | 22.8                       | <b>0.614</b>      | 0.230    | 97                 |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Cheek      | 657200  | 3858.0      | 135           | 69        | 23.6                       | 21.6                     | 0.296            | 0.469             | 0.108             | 0.171              | 22.8                       | 0.390             | 0.142    |                    |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 657200  | 3858.0      | 1             | 1         | 23.6                       | 22.1                     | 0.354            | 0.500             | 0.141             | 0.199              | 22.8                       | 0.416             | 0.166    |                    |
| ANT 8      | Head                     | DFT-s-OFDM nr/2 BPSK | Mode A        | 0          | Right Tilt       | 657200  | 3858.0      | 135           | 69        | 23.6                       | 21.6                     | 0.288            | 0.456             | 0.113             | 0.179              | 22.8                       | 0.380             | 0.149    |                    |
| ANT 8      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 657200  | 3858.0      | 1             | 1         | 20.1                       | 18.9                     | 0.790            | 1.041             | 0.294             | 0.388              | 19.3                       | 0.866             | 0.322    |                    |
| ANT 8      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Back             | 657200  | 3858.0      | 135           | 69        | 20.1                       | 18.5                     | 0.812            | <b>1.174</b>      | 0.297             | 0.429              | 19.3                       | <b>0.976</b>      | 0.357    | 98                 |
| ANT 8      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 657200  | 3858.0      | 1             | 1         | 20.1                       | 18.9                     | 0.059            | 0.078             | 0.013             | 0.017              | 19.3                       | 0.065             | 0.014    |                    |
| ANT 8      | Body & Hotspot           | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Front            | 657200  | 3858.0      | 135           | 69        | 20.1                       | 18.5                     | 0.047            | 0.068             | 0.010             | 0.014              | 19.3                       | 0.057             | 0.012    |                    |
| ANT 8      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 657200  | 3858.0      | 1             | 1         | 20.1                       | 18.9                     | 0.149            | 0.196             | 0.053             | 0.070              | 19.3                       | 0.163             | 0.058    |                    |
| ANT 8      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Top         | 657200  | 3858.0      | 135           | 69        | 20.1                       | 18.5                     | 0.112            | 0.162             | 0.037             | 0.053              | 19.3                       | 0.135             | 0.044    |                    |
| ANT 8      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Left        | 657200  | 3858.0      | 1             | 1         | 20.1                       | 18.9                     | 0.176            | 0.232             | 0.064             | 0.084              | 19.3                       | 0.193             | 0.070    |                    |
| ANT 8      | Hotspot                  | DFT-s-OFDM nr/2 BPSK | Mode B        | 5          | Edge Left        | 657200  | 3858.0      | 135           | 69        | 20.1                       | 18.5                     | 0.193            | 0.279             | 0.069             | 0.100              | 19.3                       | 0.232             | 0.083    |                    |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 657200  | 3858.0      | 1             | 1         | 21.6                       | 21.1                     | 0.266            | 0.298             | 0.117             | 0.131              | 20.8                       | 0.248             | 0.109    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 657200  | 3858.0      | 135           | 69        | 21.6                       | 21.0                     | 0.189            | 0.217             | 0.080             | 0.092              | 20.8                       | 0.180             | 0.076    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 657200  | 3858.0      | 1             | 1         | 21.6                       | 21.1                     | 0.086            | 0.096             | 0.035             | 0.039              | 20.8                       | 0.080             | 0.033    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 657200  | 3858.0      | 135           | 69        | 21.6                       | 21.0                     | 0.089            | 0.102             | 0.036             | 0.041              | 20.8                       | 0.085             | 0.034    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 657200  | 3858.0      | 1             | 1         | 21.6                       | 21.1                     | 0.175            | 0.196             | 0.079             | 0.089              | 20.8                       | 0.163             | 0.074    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 657200  | 3858.0      | 135           | 69        | 21.6                       | 21.0                     | 0.168            | 0.193             | 0.074             | 0.085              | 20.8                       | 0.160             | 0.071    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 657200  | 3858.0      | 1             | 1         | 21.6                       | 21.1                     | 0.134            | 0.150             | 0.056             | 0.063              | 20.8                       | 0.125             | 0.052    |                    |
| ANT 9      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 657200  | 3858.0      | 135           | 69        | 21.6                       | 21.0                     | 0.123            | 0.141             | 0.047             | 0.054              | 20.8                       | 0.117             | 0.045    |                    |
| ANT 9      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 657200  | 3858.0      | 1             | 1         | 18.9                       | 17.9                     | 0.596            | 0.750             | 0.219             | 0.276              | 18.1                       | 0.624             | 0.229    |                    |
| ANT 9      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 657200  | 3858.0      | 135           | 69        | 18.9                       | 17.8                     | 0.588            | 0.757             | 0.215             | 0.277              | 18.1                       | 0.630             | 0.230    |                    |
| ANT 9      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 657200  | 3858.0      | 1             | 1         | 18.9                       | 17.9                     | 0.335            | 0.422             | 0.127             | 0.160              | 18.1                       | 0.351             | 0.133    |                    |
| ANT 9      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 657200  | 3858.0      | 135           | 69        | 18.9                       | 17.8                     | 0.310            | 0.399             | 0.114             | 0.147              | 18.1                       | 0.332             | 0.122    |                    |
| ANT 9      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 657200  | 3858.0      | 1             | 1         | 18.9                       | 17.9                     | 0.189            | 0.238             | 0.075             | 0.094              | 18.1                       | 0.198             | 0.079    |                    |
| ANT 9      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Bottom      | 657200  | 3858.0      | 135           | 69        | 18.9                       | 17.8                     | 0.176            | 0.227             | 0.067             | 0.086              | 18.1                       | 0.189             | 0.072    |                    |
| ANT 9      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 657200  | 3858.0      | 1             | 1         | 18.9                       | 17.9                     | 0.813            | 1.024             | 0.301             | 0.379              | 18.1                       | 0.851             | 0.315    |                    |
| ANT 9      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Left        | 657200  | 3858.0      | 135           | 69        | 18.9                       | 17.8                     | 0.819            | <b>1.055</b>      | 0.303             | 0.390              | 18.1                       | <b>0.878</b>      | 0.325    | 99                 |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)              | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | RB Allocation | RB Offset | Power State 1              |                          |                  |                   |                   | Power State 2      |                            |                   | Plot No. |                    |
|------------|--------------------------|----------------------|---------------|------------|------------------|---------|-------------|---------------|-----------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|----------|--------------------|
|            |                          |                      |               |            |                  |         |             |               |           | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) |          | 10-g Scaled (W/kg) |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 657200  | 3858.0      | 1             | 1         | 18.9                       | 17.0                     | 0.466            | 0.722             | 0.167             | 0.259              | 18.1                       | 0.600             | 0.215    |                    |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Cheek       | 657200  | 3858.0      | 135           | 69        | 18.9                       | 17.0                     | 0.411            | 0.637             | 0.148             | 0.229              | 18.1                       | 0.529             | 0.191    |                    |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 657200  | 3858.0      | 1             | 1         | 18.9                       | 17.0                     | 0.156            | 0.242             | 0.058             | 0.090              | 18.1                       | 0.201             | 0.075    |                    |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Left Tilt        | 657200  | 3858.0      | 135           | 69        | 18.9                       | 17.0                     | 0.118            | 0.183             | 0.046             | 0.071              | 18.1                       | 0.152             | 0.059    |                    |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 657200  | 3858.0      | 1             | 1         | 18.9                       | 17.0                     | 0.126            | 0.195             | 0.053             | 0.082              | 18.1                       | 0.162             | 0.068    |                    |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Cheek      | 657200  | 3858.0      | 135           | 69        | 18.9                       | 17.0                     | 0.114            | 0.177             | 0.047             | 0.073              | 18.1                       | 0.147             | 0.061    |                    |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 657200  | 3858.0      | 1             | 1         | 18.9                       | 17.0                     | 0.077            | 0.119             | 0.028             | 0.043              | 18.1                       | 0.099             | 0.036    |                    |
| ANT 4      | Head                     | DFT-s-OFDM 11/2 BPSK | Mode A        | 0          | Right Tilt       | 657200  | 3858.0      | 135           | 69        | 18.9                       | 17.0                     | 0.059            | 0.091             | 0.020             | 0.031              | 18.1                       | 0.076             | 0.026    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 657200  | 3858.0      | 1             | 1         | 20.3                       | 19.1                     | 0.366            | 0.482             | 0.141             | 0.186              | 19.5                       | 0.401             | 0.155    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Back             | 657200  | 3858.0      | 135           | 69        | 20.3                       | 19.1                     | 0.341            | 0.450             | 0.132             | 0.174              | 19.5                       | 0.374             | 0.145    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 657200  | 3858.0      | 1             | 1         | 20.3                       | 19.1                     | 0.328            | 0.432             | 0.116             | 0.153              | 19.5                       | 0.360             | 0.127    |                    |
| ANT 4      | Body & Hotspot           | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Front            | 657200  | 3858.0      | 135           | 69        | 20.3                       | 19.1                     | 0.260            | 0.343             | 0.091             | 0.120              | 19.5                       | 0.285             | 0.100    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 657200  | 3858.0      | 1             | 1         | 20.3                       | 19.1                     | 0.052            | 0.069             | 0.020             | 0.026              | 19.5                       | 0.057             | 0.022    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Top         | 657200  | 3858.0      | 135           | 69        | 20.3                       | 19.1                     | 0.044            | 0.058             | 0.016             | 0.021              | 19.5                       | 0.048             | 0.018    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 657200  | 3858.0      | 1             | 1         | 20.3                       | 19.1                     | 0.535            | 0.705             | 0.198             | 0.261              | 19.5                       | 0.587             | 0.217    |                    |
| ANT 4      | Hotspot                  | DFT-s-OFDM 11/2 BPSK | Mode B        | 5          | Edge Right       | 657200  | 3858.0      | 135           | 69        | 20.3                       | 19.1                     | 0.520            | 0.685             | 0.191             | 0.252              | 19.5                       | 0.570             | 0.209    |                    |

### 10.36. NR Band n77 PC2 (100MHz Bandwidth)

From May 2017 TCB Workshop, SAR tested were performed using Power Class 3. SAR test for Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each 5G NR (FR1) configuration and exposure condition combination. According to the highest time averaged power for UL-DL configurations, configuration # 1 with duty cycle 50% is used for Power Class 2 SAR test.

Additional SAR testing for Power Class 2 is not required when:

- The reported SAR vs. output power can be linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg

#### Reported SAR vs. Output Power linearly scaled

| Antenna    | Exposure       | PC2        |            |            | PC3        |           |            |       | PC2 Scale | Lin. Scaled | Testing Required? |
|------------|----------------|------------|------------|------------|------------|-----------|------------|-------|-----------|-------------|-------------------|
|            |                | Duty Cycle | Max Power  | Frame Avg. | Duty Cycle | Max Power | Frame Avg. | SAR   |           |             |                   |
| ANT 7      | Head           | 50.0%      | 23.80      | 119.94     | 100.0%     | 23.8      | 235.18     | 0.148 | 0.075     | -49.3%      | No                |
| ANT 7      | Body & Hotspot | 50.0%      | 19.00      | 39.72      | 100.0%     | 19.0      | 138.49     | 0.452 | 0.13      | -71.2%      | No                |
| ANT 7      | Hotspot        | 50.0%      | 19.00      | 39.72      | 100.0%     | 19.0      | 138.49     | 0.734 | 0.211     | -71.3%      | No                |
| Antenna    | Exposure       | PC2        |            |            | PC3        |           |            |       | PC2 Scale | Lin. Scaled | Testing Required? |
| Duty Cycle | Max Power      | Frame Avg. | Duty Cycle | Max Power  | Frame Avg. | SAR       |            |       |           |             |                   |
| ANT 8      | Head           | 50.0%      | 23.60      | 114.54     | 100.0%     | 23.6      | 155.38     | 1.186 | 0.874     | -26.3%      | No                |
| ANT 8      | Body & Hotspot | 50.0%      | 20.10      | 51.16      | 100.0%     | 20.1      | 186.81     | 1.191 | 0.326     | -72.6%      | No                |
| ANT 8      | Hotspot        | 50.0%      | 20.10      | 51.16      | 100.0%     | 20.1      | 186.81     | 0.346 | 0.095     | -72.5%      | No                |
| Antenna    | Exposure       | PC2        |            |            | PC3        |           |            |       | PC2 Scale | Lin. Scaled | Testing Required? |
| Duty Cycle | Max Power      | Frame Avg. | Duty Cycle | Max Power  | Frame Avg. | SAR       |            |       |           |             |                   |
| ANT 9      | Head           | 50.0%      | 21.60      | 72.27      | 100.0%     | 21.6      | 144.54     | 0.298 | 0.149     | -50.0%      | No                |
| ANT 9      | Body & Hotspot | 50.0%      | 18.90      | 38.81      | 100.0%     | 18.9      | 77.62      | 0.757 | 0.379     | -49.9%      | No                |
| ANT 9      | Hotspot        | 50.0%      | 18.90      | 38.81      | 100.0%     | 18.9      | 77.62      | 1.055 | 0.528     | -50.0%      | No                |
| Antenna    | Exposure       | PC2        |            |            | PC3        |           |            |       | PC2 Scale | Lin. Scaled | Testing Required? |
| Duty Cycle | Max Power      | Frame Avg. | Duty Cycle | Max Power  | Frame Avg. | SAR       |            |       |           |             |                   |
| ANT 4      | Head           | 50.0%      | 18.90      | 38.81      | 100.0%     | 18.9      | 67.83      | 1.195 | 0.684     | -42.8%      | No                |
| ANT 4      | Body & Hotspot | 50.0%      | 20.30      | 53.58      | 100.0%     | 20.3      | 83.45      | 0.699 | 0.449     | -35.8%      | No                |
| ANT 4      | Hotspot        | 50.0%      | 20.30      | 53.58      | 100.0%     | 20.3      | 83.45      | 1.142 | 0.733     | -35.8%      | No                |

#### Conclusion:

SAR test for Power Class 2 is not required because the PC3 reported SAR <1.4 W/kg and PC2 reported SAR vs. output power linearly scaled <10%.

### 10.37. Wi-Fi 2.4 GHz (DTS Band)

When the 802.11b reported SAR of the highest measured maximum output power channel is  $\leq 0.8$  W/kg, no further SAR testing is required. If SAR is  $> 0.8$  W/kg and  $\leq 1.2$  W/kg, SAR is required for the next highest measured output power channel. Finally, if SAR is  $> 1.2$  W/kg, SAR is required for the third channel.

SAR testing is not required for OFDM mode(s) when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg.

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s)        | Dist. (m.m) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
|------------|--------------------------|---------|----------------------|-------------|----------------|------------------|---------|-------------|---------------------------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------|
| ANT 3      | Head                     | 802.11b | Power State 1 Mode A | 0           | 99.95%         | Left Cheek       | 6       | 2437.0      | 0.249                     | 21.50                | 20.60              | 0.247            | 0.304             | 0.142             | 0.175              |          |
| ANT 3      | Head                     | 802.11b | Power State 1 Mode A | 0           | 99.95%         | Left Tilt        | 6       | 2437.0      | 0.104                     | 21.50                | 20.60              |                  |                   |                   |                    |          |
| ANT 3      | Head                     | 802.11b | Power State 1 Mode A | 0           | 99.95%         | Right Cheek      | 6       | 2437.0      | 0.170                     | 21.50                | 20.60              |                  |                   |                   |                    |          |
| ANT 3      | Head                     | 802.11b | Power State 1 Mode A | 0           | 99.95%         | Right Tilt       | 6       | 2437.0      | 0.148                     | 21.50                | 20.60              |                  |                   |                   |                    |          |
| ANT 3      | Body & Hotspot           | 802.11b | Power State 1 Mode B | 5           | 99.95%         | Back             | 6       | 2437.0      | 0.518                     | 20.00                | 19.10              | 0.520            | 0.640             | 0.283             | 0.348              | 100      |
| ANT 3      | Body & Hotspot           | 802.11b | Power State 1 Mode B | 5           | 99.95%         | Front            | 6       | 2437.0      | 0.436                     | 20.00                | 19.10              | 0.425            | 0.523             | 0.237             | 0.292              |          |
| ANT 3      | Hotspot                  | 802.11b | Power State 1 Mode B | 5           | 99.95%         | Edge Bottom      | 6       | 2437.0      | 0.088                     | 20.00                | 19.10              |                  |                   |                   |                    |          |
| ANT 3      | Hotspot                  | 802.11b | Power State 1 Mode B | 5           | 99.95%         | Edge Left        | 6       | 2437.0      | 0.583                     | 20.00                | 19.10              | 0.623            | 0.767             | 0.303             | 0.373              |          |
| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s)        | Dist. (m.m) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 3      | Head                     | 802.11b | Power State 2 Mode A | 0           | 99.95%         | Left Cheek       | 6       | 2437.0      | 0.118                     | 18.75                | 18.30              | 0.118            | 0.131             | 0.069             | 0.077              |          |
| ANT 3      | Body & Hotspot           | 802.11b | Power State 2 Mode B | 5           | 99.95%         | Back             | 6       | 2437.0      | 0.208                     | 16.25                | 15.30              | 0.210            | 0.261             | 0.111             | 0.138              |          |
| ANT 3      | Hotspot                  | 802.11b | Power State 2 Mode B | 5           | 99.95%         | Edge Left        | 6       | 2437.0      | 0.201                     | 16.25                | 15.30              | 0.209            | 0.260             | 0.098             | 0.122              |          |



| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s)        | Dist. (m.m) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
|------------|--------------------------|---------|----------------------|-------------|----------------|------------------|---------|-------------|---------------------------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------|
| ANT 4      | Head                     | 802.11b | Power State 1 Mode A | 0           | 99.95%         | Left Cheek       | 1       | 2417.0      | 0.537                     | 20.50                | 19.40              | 0.563            | 0.726             | 0.311             | 0.401              |          |
| ANT 4      | Head                     | 802.11b | Power State 1 Mode A | 0           | 99.95%         | Left Cheek       | 6       | 2437.0      | 0.785                     | 20.50                | 19.90              | 1.040            | <b>1.195</b>      | 0.459             | 0.527              | 101      |
| ANT 4      | Head                     | 802.11b | Power State 1 Mode A | 0           | 99.95%         | Left Cheek       | 11      | 2462.0      | 0.408                     | 20.50                | 19.50              | 0.410            | 0.516             | 0.241             | 0.304              |          |
| ANT 4      | Head                     | 802.11b | Power State 1 Mode A | 0           | 99.95%         | Left Tilt        | 6       | 2437.0      | 0.271                     | 20.50                | 19.90              | 0.271            | 0.311             | 0.144             | 0.165              |          |
| ANT 4      | Head                     | 802.11b | Power State 1 Mode A | 0           | 99.95%         | Right Cheek      | 6       | 2437.0      | 0.179                     | 20.50                | 19.90              | 0.186            | 0.214             | 0.108             | 0.124              |          |
| ANT 4      | Head                     | 802.11b | Power State 1 Mode A | 0           | 99.95%         | Right Tilt       | 6       | 2437.0      | 0.143                     | 20.50                | 19.90              |                  |                   |                   |                    |          |
| ANT 4      | Body & Hotspot           | 802.11b | Power State 1 Mode B | 5           | 99.95%         | Back             | 6       | 2437.0      | 0.399                     | 20.00                | 18.80              | 0.466            | 0.615             | 0.218             | 0.288              |          |
| ANT 4      | Body & Hotspot           | 802.11b | Power State 1 Mode B | 5           | 99.95%         | Front            | 6       | 2437.0      | 0.358                     | 20.00                | 18.80              | 0.364            | 0.480             | 0.170             | 0.224              |          |
| ANT 4      | Hotspot                  | 802.11b | Power State 1 Mode B | 5           | 99.95%         | Edge Top         | 6       | 2437.0      | 0.051                     | 20.00                | 18.80              |                  |                   |                   |                    |          |
| ANT 4      | Hotspot                  | 802.11b | Power State 1 Mode B | 5           | 99.95%         | Edge Right       | 1       | 2412.0      | 0.541                     | 20.00                | 18.70              | 0.610            | 0.823             | 0.278             | 0.375              |          |
| ANT 4      | Hotspot                  | 802.11b | Power State 1 Mode B | 5           | 99.95%         | Edge Right       | 6       | 2437.0      | 0.624                     | 20.00                | 18.80              | 0.651            | <b>0.859</b>      | 0.300             | 0.396              | 102      |
| ANT 4      | Hotspot                  | 802.11b | Power State 1 Mode B | 5           | 99.95%         | Edge Right       | 11      | 2462.0      | 0.453                     | 20.00                | 18.50              | 0.518            | 0.732             | 0.232             | 0.328              |          |
| ANT 4      | Hotspot                  | 802.11b | Power State 1 Mode B | 5           | 99.95%         | Edge Left        | 6       | 2437.0      | 0.009                     | 20.00                | 18.80              |                  |                   |                   |                    |          |
| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Power Mode(s)        | Dist. (m.m) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 4      | Head                     | 802.11b | Power State 2 Mode A | 0           | 99.95%         | Left Cheek       | 6       | 2437.0      | 0.350                     | 17.00                | 16.00              | 0.397            | 0.500             | 0.173             | 0.218              |          |
| ANT 4      | Head                     | 802.11b | Power State 2 Mode A | 0           | 99.95%         | Right Cheek      | 6       | 2437.0      | 0.096                     | 17.00                | 16.00              | 0.095            | 0.120             | 0.054             | 0.068              |          |
| ANT 4      | Body & Hotspot           | 802.11b | Power State 2 Mode B | 5           | 99.95%         | Back             | 6       | 2437.0      | 0.163                     | 16.00                | 14.40              | 0.192            | 0.278             | 0.084             | 0.121              |          |
| ANT 4      | Hotspot                  | 802.11b | Power State 2 Mode B | 5           | 99.95%         | Edge Right       | 6       | 2437.0      | 0.247                     | 16.00                | 14.40              | 0.275            | 0.398             | 0.121             | 0.175              |          |

### 10.38. Wi-Fi 5 GHz (U-NII 1-3 Bands)

#### UNII-1 &2A

When the specified maximum output power is the same for both UNII band 1 and UNII band 2A, begin SAR measurement in UNII band 2A; and if the highest reported SAR for UNII band 2A is

- ≤ 1.2 W/kg, SAR is not required for UNII band 1
- > 1.2 W/kg, both bands should be tested independently for SAR.

| Antenna(s) | RF Exposure Condition(s) | Mode(s)          | Power Mode(s)        | Dist. (m.m) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power       | Meas. Output Power       | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
|------------|--------------------------|------------------|----------------------|-------------|----------------|------------------|---------|-------------|---------------------------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------|
| ANT 5      | Head                     | 802.11n (HT40)   | Power State 1 Mode A | 0           | 97.62%         | Left Cheek       | 46      | 5230.0      | 0.033                     | 18.50                      | 17.60                    | 0.028            | 0.035             | 0.008             | 0.010              |          |
| ANT 5      | Head                     | 802.11n (HT40)   | Power State 1 Mode A | 0           | 97.62%         | Left Tilt        | 46      | 5230.0      | 0.006                     | 18.50                      | 17.60                    |                  |                   |                   |                    |          |
| ANT 5      | Head                     | 802.11n (HT40)   | Power State 1 Mode A | 0           | 97.62%         | Right Cheek      | 46      | 5230.0      | 0.011                     | 18.50                      | 17.60                    |                  |                   |                   |                    |          |
| ANT 5      | Head                     | 802.11n (HT40)   | Power State 1 Mode A | 0           | 97.62%         | Right Tilt       | 46      | 5230.0      | 0.015                     | 18.50                      | 17.60                    |                  |                   |                   |                    |          |
| ANT 5      | Body & Hotspot           | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Back             | 42      | 5210.0      | 0.337                     | 14.00                      | 12.50                    | 0.524            | 0.776             | 0.114             | 0.169              |          |
| ANT 5      | Body & Hotspot           | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Front            | 42      | 5210.0      | 0.028                     | 14.00                      | 12.50                    | 0.034            | 0.050             | 0.012             | 0.018              |          |
| ANT 5      | Hotspot                  | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Edge Bottom      | 42      | 5210.0      | 0.032                     | 14.00                      | 12.50                    |                  |                   |                   |                    |          |
| ANT 5      | Hotspot                  | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Edge Left        | 42      | 5210.0      | 0.066                     | 14.00                      | 12.50                    | 0.067            | 0.099             | 0.025             | 0.037              |          |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)          | Power Mode(s)        | Dist. (m.m) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 5      | Head                     | 802.11ac (VHT80) | Power State 2 Mode A | 0           | 95.43%         | Left Cheek       | 58      | 5290.0      | 0.006                     | 14.50                      | 13.40                    | 0.000            | 0.000             | 0.000             | 0.000              |          |
| ANT 5      | Body & Hotspot           | 802.11ac (VHT80) | Power State 2 Mode B | 5           | 95.43%         | Back             | 42      | 5210.0      | 0.127                     | 10.25                      | 8.80                     | 0.217            | 0.318             | 0.044             | 0.064              |          |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)          | Power Mode(s)        | Dist. (m.m) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power       | Meas. Output Power       | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 6      | Head                     | 802.11n (HT40)   | Power State 1 Mode A | 0           | 97.62%         | Left Cheek       | 46      | 5230.0      | 0.420                     | 20.00                      | 18.80                    | 0.454            | 0.613             | 0.161             | 0.217              |          |
| ANT 6      | Head                     | 802.11n (HT40)   | Power State 1 Mode A | 0           | 97.62%         | Left Tilt        | 46      | 5230.0      | 0.305                     | 20.00                      | 18.80                    |                  |                   |                   |                    |          |
| ANT 6      | Head                     | 802.11n (HT40)   | Power State 1 Mode A | 0           | 97.62%         | Right Cheek      | 38      | 5190.0      | 0.439                     | 17.50                      | 16.30                    | 0.562            | 0.759             | 0.204             | 0.275              |          |
| ANT 6      | Head                     | 802.11n (HT40)   | Power State 1 Mode A | 0           | 97.62%         | Right Cheek      | 46      | 5230.0      | 0.663                     | 20.00                      | 18.80                    | 0.831            | <b>1.122</b>      | 0.328             | 0.443              | 103      |
| ANT 6      | Head                     | 802.11n (HT40)   | Power State 1 Mode A | 0           | 97.62%         | Right Tilt       | 38      | 5190.0      | 0.138                     | 17.50                      | 16.30                    | 0.417            | 0.563             | 0.138             | 0.186              |          |
| ANT 6      | Head                     | 802.11n (HT40)   | Power State 1 Mode A | 0           | 97.62%         | Right Tilt       | 46      | 5230.0      | 0.582                     | 20.00                      | 18.80                    | 0.825            | 1.114             | 0.281             | 0.379              |          |
| ANT 6      | Body & Hotspot           | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Back             | 42      | 5210.0      | 0.541                     | 17.00                      | 15.50                    | 0.579            | <b>0.857</b>      | 0.181             | 0.268              | 104      |
| ANT 6      | Body & Hotspot           | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Front            | 42      | 5210.0      | 0.120                     | 17.00                      | 15.50                    | 0.148            | 0.219             | 0.054             | 0.080              |          |
| ANT 6      | Hotspot                  | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Edge Top         | 42      | 5210.0      | 0.124                     | 17.00                      | 15.50                    |                  |                   |                   |                    |          |
| ANT 6      | Hotspot                  | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Edge Left        | 42      | 5210.0      | 0.334                     | 17.00                      | 15.50                    | 0.369            | <b>0.546</b>      | 0.122             | 0.181              | 105      |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)          | Power Mode(s)        | Dist. (m.m) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 6      | Head                     | 802.11ac (VHT80) | Power State 2 Mode A | 0           | 95.43%         | Left Cheek       | 42      | 5210.0      | 0.210                     | 16.50                      | 16.00                    | 0.237            | 0.279             | 0.080             | 0.094              |          |
| ANT 6      | Head                     | 802.11ac (VHT80) | Power State 2 Mode A | 0           | 95.43%         | Right Cheek      | 42      | 5210.0      | 0.432                     | 16.50                      | 16.00                    | 0.406            | 0.477             | 0.148             | 0.174              |          |
| ANT 6      | Body & Hotspot           | 802.11ac (VHT80) | Power State 2 Mode B | 5           | 95.43%         | Back             | 58      | 5290.0      | 0.199                     | 13.75                      | 12.10                    | 0.210            | 0.322             | 0.062             | 0.095              |          |

**UNII-2C**

| Antenna(s) | RF Exposure Condition(s) | Mode(s)          | Power Mode(s)        | Dist. (mm) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
|------------|--------------------------|------------------|----------------------|------------|----------------|------------------|---------|-------------|---------------------------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------|
| ANT 5      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0          | 95.43%         | Left Cheek       | 122     | 5610.0      | 0.027                     | 18.00                | 17.40              | 0.020            | 0.024             | 0.004             | 0.005              |          |
| ANT 5      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0          | 95.43%         | Left Tilt        | 122     | 5610.0      | 0.008                     | 18.00                | 17.40              |                  |                   |                   |                    |          |
| ANT 5      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0          | 95.43%         | Right Cheek      | 122     | 5610.0      | 0.015                     | 18.00                | 17.40              |                  |                   |                   |                    |          |
| ANT 5      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0          | 95.43%         | Right Tilt       | 122     | 5610.0      | 0.013                     | 18.00                | 17.40              |                  |                   |                   |                    |          |
| ANT 5      | Body & Hotspot           | 802.11ac (VHT80) | Power State 1 Mode B | 5          | 95.43%         | Back             | 122     | 5610.0      | 0.469                     | 11.75                | 10.60              | 0.654            | 0.893             | 0.150             | 0.205              |          |
| ANT 5      | Body & Hotspot           | 802.11ac (VHT80) | Power State 1 Mode B | 5          | 95.43%         | Back             | 138     | 5690.0      | 0.410                     | 11.75                | 10.30              | 0.670            | <b>0.980</b>      | 0.159             | 0.233              | 106      |
| ANT 5      | Body & Hotspot           | 802.11ac (VHT80) | Power State 1 Mode B | 5          | 95.43%         | Front            | 122     | 5610.0      | 0.015                     | 11.75                | 10.60              | 0.018            | 0.025             | 0.002             | 0.003              |          |
| ANT 5      | Hotspot                  | 802.11ac (VHT80) | Power State 1 Mode B | 5          | 95.43%         | Edge Bottom      | 122     | 5610.0      | 0.041                     | 11.75                | 10.60              | 0.041            | 0.056             | 0.012             | 0.016              |          |
| ANT 5      | Hotspot                  | 802.11ac (VHT80) | Power State 1 Mode B | 5          | 95.43%         | Edge Left        | 122     | 5610.0      | 0.039                     | 11.75                | 10.60              |                  |                   |                   |                    |          |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)          | Power Mode(s)        | Dist. (mm) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 5      | Head                     | 802.11ac (VHT80) | Power State 2 Mode A | 0          | 95.43%         | Left Cheek       | 122     | 5610.0      | 0.007                     | 14.25                | 13.00              | 0.000            | 0.000             | 0.000             | 0.000              |          |
| ANT 5      | Body & Hotspot           | 802.11ac (VHT80) | Power State 2 Mode B | 5          | 95.43%         | Back             | 138     | 5690.0      | 0.145                     | 8.00                 | 7.00               | 0.199            | 0.263             | 0.051             | 0.067              |          |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)          | Power Mode(s)        | Dist. (mm) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 6      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0          | 95.43%         | Left Cheek       | 138     | 5690.0      | 0.167                     | 19.25                | 18.20              |                  |                   |                   |                    |          |
| ANT 6      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0          | 95.43%         | Left Tilt        | 138     | 5690.0      | 0.141                     | 19.25                | 18.20              |                  |                   |                   |                    |          |
| ANT 6      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0          | 95.43%         | Right Cheek      | 122     | 5610.0      | 0.407                     | 19.25                | 18.20              | 0.536            | 0.715             | 0.195             | 0.260              |          |
| ANT 6      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0          | 95.43%         | Right Cheek      | 138     | 5690.0      | 0.528                     | 19.25                | 18.20              | 0.690            | <b>0.921</b>      | 0.239             | 0.319              | 107      |
| ANT 6      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0          | 95.43%         | Right Tilt       | 138     | 5690.0      | 0.324                     | 19.25                | 18.20              | 0.440            | 0.587             | 0.143             | 0.191              |          |
| ANT 6      | Body & Hotspot           | 802.11ac (VHT80) | Power State 1 Mode B | 5          | 95.43%         | Back             | 122     | 5610.0      | 0.530                     | 17.50                | 16.00              | 0.608            | 0.900             | 0.172             | 0.255              |          |
| ANT 6      | Body & Hotspot           | 802.11ac (VHT80) | Power State 1 Mode B | 5          | 95.43%         | Back             | 138     | 5690.0      | 0.591                     | 17.50                | 16.10              | 0.671            | 0.971             | 0.971             | 1.404              |          |
| ANT 6      | Body & Hotspot           | 802.11ac (VHT80) | Power State 1 Mode B | 5          | 95.43%         | Front            | 138     | 5690.0      | 0.122                     | 17.50                | 16.10              | 0.119            | 0.172             | 0.172             | 0.249              |          |
| ANT 6      | Hotspot                  | 802.11ac (VHT80) | Power State 1 Mode B | 5          | 95.43%         | Edge Top         | 138     | 5690.0      | 0.054                     | 17.50                | 16.10              |                  |                   |                   |                    |          |
| ANT 6      | Hotspot                  | 802.11ac (VHT80) | Power State 1 Mode B | 5          | 95.43%         | Edge Left        | 138     | 5690.0      | 0.222                     | 17.50                | 16.10              | 0.242            | <b>0.350</b>      | 0.074             | 0.107              | 108      |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)          | Power Mode(s)        | Dist. (mm) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 6      | Head                     | 802.11ac (VHT80) | Power State 2 Mode A | 0          | 95.43%         | Right Cheek      | 138     | 5690.0      | 0.149                     | 15.50                | 14.10              | 0.194            | 0.281             | 0.062             | 0.090              |          |
| ANT 6      | Body & Hotspot           | 802.11ac (VHT80) | Power State 2 Mode B | 5          | 95.43%         | Back             | 122     | 5610.0      | 0.256                     | 15.00                | 13.50              | 0.268            | 0.397             | 0.079             | 0.117              |          |

**UNII-3**

| Antenna(s) | RF Exposure Condition(s) | Mode(s)          | Power Mode(s)        | Dist. (m.m) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
|------------|--------------------------|------------------|----------------------|-------------|----------------|------------------|---------|-------------|---------------------------|----------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------|
| ANT 5      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0           | 95.43%         | Left Cheek       | 155     | 5775.0      | 0.029                     | 18.25                | 17.20              | 0.028            | 0.037             | 0.007             | 0.009              |          |
| ANT 5      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0           | 95.43%         | Left Tilt        | 155     | 5775.0      | 0.008                     | 18.25                | 17.20              |                  |                   |                   |                    |          |
| ANT 5      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0           | 95.43%         | Right Cheek      | 155     | 5775.0      | 0.012                     | 18.25                | 17.20              |                  |                   |                   |                    |          |
| ANT 5      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0           | 95.43%         | Right Tilt       | 155     | 5775.0      | 0.013                     | 18.25                | 17.20              |                  |                   |                   |                    |          |
| ANT 5      | Body & Hotspot           | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Back             | 155     | 5775.0      | 0.496                     | 13.00                | 11.50              | 0.708            | <b>1.048</b>      | 0.174             | 0.258              | 109      |
| ANT 5      | Body & Hotspot           | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Front            | 155     | 5775.0      | 0.017                     | 13.00                | 11.50              | 0.012            | 0.018             | 0.002             | 0.003              |          |
| ANT 5      | Hotspot                  | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Edge Bottom      | 155     | 5775.0      | 0.061                     | 13.00                | 11.50              | 0.066            | 0.098             | 0.024             | 0.036              |          |
| ANT 5      | Hotspot                  | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Edge Left        | 155     | 5775.0      | 0.059                     | 13.00                | 11.50              |                  |                   |                   |                    |          |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)          | Power Mode(s)        | Dist. (m.m) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 5      | Head                     | 802.11ac (VHT80) | Power State 2 Mode A | 0           | 95.43%         | Left Cheek       | 155     | 5775.0      | 0.002                     | 14.50                | 13.50              | 0.000            | 0.000             | 0.000             | 0.000              |          |
| ANT 5      | Body & Hotspot           | 802.11ac (VHT80) | Power State 2 Mode B | 5           | 95.43%         | Back             | 155     | 5775.0      | 0.273                     | 9.25                 | 8.10               | 0.327            | 0.447             | 0.078             | 0.107              |          |
| ANT 5      | Body & Hotspot           | 802.11ac (VHT80) | Power State 2 Mode B | 5           | 95.43%         | Front            | 155     | 5775.0      | 0.016                     | 9.25                 | 8.10               | 0.023            | 0.031             | 0.006             | 0.008              |          |
| ANT 5      | Hotspot                  | 802.11ac (VHT80) | Power State 2 Mode B | 5           | 95.43%         | Edge Bottom      | 155     | 5775.0      | 0.028                     | 9.25                 | 8.10               | 0.028            | 0.038             | 0.008             | 0.011              |          |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)          | Power Mode(s)        | Dist. (m.m) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 6      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0           | 95.43%         | Left Cheek       | 155     | 5775.0      | 0.148                     | 19.50                | 18.00              |                  |                   |                   |                    |          |
| ANT 6      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0           | 95.43%         | Left Tilt        | 155     | 5775.0      | 0.124                     | 19.50                | 18.00              |                  |                   |                   |                    |          |
| ANT 6      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0           | 95.43%         | Right Cheek      | 155     | 5775.0      | 0.416                     | 19.50                | 18.00              | 0.503            | <b>0.745</b>      | 0.154             | 0.228              | 110      |
| ANT 6      | Head                     | 802.11ac (VHT80) | Power State 1 Mode A | 0           | 95.43%         | Right Tilt       | 155     | 5775.0      | 0.263                     | 19.50                | 18.00              | 0.411            | 0.608             | 0.120             | 0.178              |          |
| ANT 6      | Body & Hotspot           | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Back             | 155     | 5775.0      | 0.482                     | 17.75                | 16.30              | 0.598            | 0.875             | 0.161             | 0.236              |          |
| ANT 6      | Body & Hotspot           | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Front            | 155     | 5775.0      | 0.107                     | 17.75                | 16.30              | 0.113            | 0.165             | 0.038             | 0.056              |          |
| ANT 6      | Hotspot                  | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Edge Top         | 155     | 5775.0      | 0.034                     | 17.75                | 16.30              |                  |                   |                   |                    |          |
| ANT 6      | Hotspot                  | 802.11ac (VHT80) | Power State 1 Mode B | 5           | 95.43%         | Edge Left        | 155     | 5775.0      | 0.235                     | 17.75                | 16.30              | 0.281            | <b>0.411</b>      | 0.085             | 0.124              | 111      |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)          | Power Mode(s)        | Dist. (m.m) | Duty Cycle (%) | Test Position(s) | Channel | Freq. (MHz) | Area Scan Max. SAR (W/kg) | Maximum Output Power | Meas. Output Power | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 6      | Head                     | 802.11ac (VHT80) | Power State 2 Mode A | 0           | 95.43%         | Right Cheek      | 155     | 5775.0      | 0.147                     | 15.50                | 14.00              | 0.181            | 0.268             | 0.058             | 0.086              |          |
| ANT 6      | Body & Hotspot           | 802.11ac (VHT80) | Power State 2 Mode B | 5           | 95.43%         | Back             | 155     | 5775.0      | 0.197                     | 13.75                | 12.42              | 0.226            | 0.322             | 0.059             | 0.084              |          |

**10.39. Bluetooth 2.4GHz**

| Antenna(s) | RF Exposure Condition(s) | Mode(s)    | Power Mode(s)      | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
|------------|--------------------------|------------|--------------------|------------|------------------|---------|-------------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------|
| ANT 3      | Head                     | GFSK (BDR) | PStandalone Mode A | 0          | Left Cheek       | 39      | 2441.0      | 20.0                       | 18.7                     | 0.098            | 0.132             | 0.053             | 0.071              |          |
| ANT 3      | Head                     | GFSK (BDR) | PStandalone Mode A | 0          | Left Tilt        | 39      | 2441.0      | 20.0                       | 18.7                     | 0.043            | 0.058             | 0.022             | 0.030              |          |
| ANT 3      | Head                     | GFSK (BDR) | PStandalone Mode A | 0          | Right Cheek      | 39      | 2441.0      | 20.0                       | 18.7                     | 0.048            | 0.065             | 0.026             | 0.035              |          |
| ANT 3      | Head                     | GFSK (BDR) | PStandalone Mode A | 0          | Right Tilt       | 39      | 2441.0      | 20.0                       | 18.7                     | 0.049            | 0.066             | 0.026             | 0.035              |          |
| ANT 3      | Body & Hotspot           | GFSK (BDR) | PStandalone Mode B | 5          | Back             | 39      | 2441.0      | 20.0                       | 18.7                     | 0.305            | 0.411             | 0.157             | 0.212              | 112      |
| ANT 3      | Body & Hotspot           | GFSK (BDR) | PStandalone Mode B | 5          | Front            | 39      | 2441.0      | 20.0                       | 18.7                     | 0.267            | 0.360             | 0.138             | 0.186              |          |
| ANT 3      | Hotspot                  | GFSK (BDR) | PStandalone Mode B | 5          | Edge Bottom      | 39      | 2441.0      | 20.0                       | 18.7                     | 0.075            | 0.101             | 0.038             | 0.051              |          |
| ANT 3      | Hotspot                  | GFSK (BDR) | PStandalone Mode B | 5          | Edge Left        | 39      | 2441.0      | 20.0                       | 18.7                     | 0.433            | 0.584             | 0.204             | 0.275              | 113      |
| Antenna(s) | RF Exposure Condition(s) | Mode(s)    | Power Mode(s)      | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
| ANT 4      | Head                     | GFSK (BDR) | PStandalone Mode A | 0          | Left Cheek       | 39      | 2441.0      | 20.0                       | 19.0                     | 0.585            | 0.736             | 0.266             | 0.335              | 114      |
| ANT 4      | Head                     | GFSK (BDR) | PStandalone Mode A | 0          | Left Tilt        | 39      | 2441.0      | 20.0                       | 19.0                     | 0.194            | 0.244             | 0.091             | 0.115              |          |
| ANT 4      | Head                     | GFSK (BDR) | PStandalone Mode A | 0          | Right Cheek      | 39      | 2441.0      | 20.0                       | 19.0                     | 0.145            | 0.183             | 0.075             | 0.094              |          |
| ANT 4      | Head                     | GFSK (BDR) | PStandalone Mode A | 0          | Right Tilt       | 39      | 2441.0      | 20.0                       | 19.0                     | 0.064            | 0.081             | 0.034             | 0.043              |          |
| ANT 4      | Body & Hotspot           | GFSK (BDR) | PStandalone Mode B | 5          | Back             | 39      | 2441.0      | 20.0                       | 19.0                     | 0.306            | 0.385             | 0.139             | 0.175              |          |
| ANT 4      | Body & Hotspot           | GFSK (BDR) | PStandalone Mode B | 5          | Front            | 39      | 2441.0      | 20.0                       | 19.0                     | 0.207            | 0.261             | 0.096             | 0.121              |          |
| ANT 4      | Hotspot                  | GFSK (BDR) | PStandalone Mode B | 5          | Edge Top         | 39      | 2441.0      | 20.0                       | 19.0                     | 0.046            | 0.058             | 0.019             | 0.024              |          |
| ANT 4      | Hotspot                  | GFSK (BDR) | PStandalone Mode B | 5          | Edge Right       | 39      | 2441.0      | 20.0                       | 19.0                     | 0.454            | 0.572             | 0.202             | 0.254              |          |

| Antenna(s) | RF Exposure Condition(s) | Mode(s)    | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Plot No. |
|------------|--------------------------|------------|---------------|------------|------------------|---------|-------------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------|
| ANT 3      | Head                     | GFSK (BDR) | P-High Mode A | 0          | Left Cheek       | 39      | 2441.0      | 19.0                       | 17.8                     | 0.039            | 0.051             | 0.022             | 0.029              |          |
| ANT 3      | Body & Hotspot           | GFSK (BDR) | P-High Mode B | 5          | Back             | 39      | 2441.0      | 16.5                       | 15.3                     | 0.124            | 0.163             | 0.065             | 0.086              |          |
| ANT 3      | Hotspot                  | GFSK (BDR) | P-High Mode B | 5          | Edge Left        | 39      | 2441.0      | 16.5                       | 15.3                     | 0.175            | 0.231             | 0.081             | 0.107              |          |
| ANT 4      | Head                     | GFSK (BDR) | P-High Mode A | 0          | Left Cheek       | 39      | 2441.0      | 16.5                       | 15.3                     | 0.193            | 0.254             | 0.083             | 0.109              |          |
| ANT 4      | Body & Hotspot           | GFSK (BDR) | P-High Mode B | 5          | Back             | 39      | 2441.0      | 16.5                       | 15.3                     | 0.085            | 0.112             | 0.038             | 0.050              |          |
| ANT 4      | Hotspot                  | GFSK (BDR) | P-High Mode B | 5          | Edge Right       | 39      | 2441.0      | 16.5                       | 15.3                     | 0.146            | 0.192             | 0.063             | 0.083              |          |
| ANT 3      | Head                     | GFSK (BDR) | P-Low Mode A  | 0          | Left Cheek       | 39      | 2441.0      | 13.0                       | 11.8                     | 0.021            | 0.028             | 0.011             | 0.015              |          |
| ANT 3      | Body & Hotspot           | GFSK (BDR) | P-Low Mode A  | 5          | Back             | 39      | 2441.0      | 11.0                       | 9.5                      | 0.039            | 0.055             | 0.019             | 0.027              |          |
| ANT 3      | Hotspot                  | GFSK (BDR) | P-Low Mode A  | 5          | Edge Left        | 39      | 2441.0      | 11.0                       | 9.5                      | 0.058            | 0.082             | 0.027             | 0.038              |          |
| ANT 4      | Head                     | GFSK (BDR) | P-Low Mode A  | 0          | Left Cheek       | 39      | 2441.0      | 11.0                       | 9.5                      | 0.064            | 0.090             | 0.025             | 0.035              |          |
| ANT 4      | Body & Hotspot           | GFSK (BDR) | P-Low Mode A  | 5          | Back             | 39      | 2441.0      | 11.0                       | 9.5                      | 0.030            | 0.042             | 0.013             | 0.018              |          |
| ANT 4      | Hotspot                  | GFSK (BDR) | P-Low Mode A  | 5          | Edge Right       | 39      | 2441.0      | 11.0                       | 9.5                      | 0.044            | 0.062             | 0.016             | 0.023              |          |

### 10.40. MSS (Mobile Satellite Service)

| Antenna(s) | RF Exposure Condition(s) | Mode(s)       | Power Mode(s) | Dist. (mm) | Test Position(s) | Channel | Freq. (MHz) | Maximum Output Power (dBm) | Meas. Output Power (dBm) | 1-g Meas. (W/kg) | 1-g Scaled (W/kg) | 10-g Meas. (W/kg) | 10-g Scaled (W/kg) | Maximum Output Power (dBm) | 1-g Scaled (W/kg) | 10-g Scaled (W/kg) | Plot No. |
|------------|--------------------------|---------------|---------------|------------|------------------|---------|-------------|----------------------------|--------------------------|------------------|-------------------|-------------------|--------------------|----------------------------|-------------------|--------------------|----------|
| ANT 4      | Extremity                | 1-PRB SC-FDMA | Mode B        | 0          | Back             | Md      | 1618.40     | 23.4                       | 22.3                     | 2.850            | 3.672             | 1.310             | 1.688              | 22.6                       | 3.054             | 1.404              |          |
| ANT 4      | Extremity                | 1-PRB SC-FDMA | Mode B        | 0          | Front            | Low     | 1610.17     | 23.4                       | 22.4                     | 2.700            | 3.399             | 1.210             | 1.523              | 22.6                       | 2.827             | 1.267              |          |
| ANT 4      | Extremity                | 1-PRB SC-FDMA | Mode B        | 0          | Front            | Md      | 1618.40     | 23.4                       | 22.3                     | 4.110            | 5.295             | 1.730             | 2.229              | 22.6                       | 4.404             | 1.854              | 115      |
| ANT 4      | Extremity                | 1-PRB SC-FDMA | Mode B        | 0          | Front            | High    | 1626.03     | 23.4                       | 22.3                     | 3.530            | 4.548             | 1.540             | 1.984              | 22.6                       | 3.782             | 1.650              |          |
| ANT 4      | Extremity                | 1-PRB SC-FDMA | Mode B        | 0          | Edge Top         | Md      | 1618.40     | 23.4                       | 22.3                     | 1.260            | 1.623             | 0.386             | 0.497              | 22.6                       | 1.350             | 0.414              |          |
| ANT 4      | Extremity                | 1-PRB SC-FDMA | Mode B        | 0          | Edge Right       | Md      | 1618.40     | 23.4                       | 22.3                     | 3.370            | 4.341             | 1.320             | 1.700              | 22.6                       | 3.611             | 1.414              |          |
| ANT 4      | Extremity                | 1-PRB SC-FDMA | Mode B        | 0          | Edge Left        | Md      | 1618.40     | 23.4                       | 22.3                     | 0.129            | 0.166             | 0.060             | 0.077              | 22.6                       | 0.138             | 0.064              |          |

**10.41. NFC**

| Antenna(s) | RF Exposure Condition(s) | Mode(s) | Dist. (mm) | Test Position(s) | Freq. (MHz) | 1-g Meas. (W/kg) | 10-g Meas. (W/kg) | Plot No. |
|------------|--------------------------|---------|------------|------------------|-------------|------------------|-------------------|----------|
| Primary    | Extremity                | Type A  | 0          | Back             | 13.6        | 0.012            | 0.005             |          |
| Primary    | Extremity                | Type A  | 0          | Front            | 13.6        | 0.012            | 0.005             |          |
| Primary    | Extremity                | Type A  | 0          | Edge Top         | 13.6        | 0.017            | <b>0.006</b>      | 116      |
| Primary    | Extremity                | Type A  | 0          | Edge Left        | 13.6        | 0.005            | 0.001             |          |

## 11. SAR Measurement Variability

In accordance with published RF Exposure KDB 865664 D01 SAR measurement 100 MHz to 6 GHz. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

- 1) Repeated measurement is not required when the original highest measured SAR is  $< 0.8$  or  $2$  W/kg (1-g or 10-g respectively); steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is  $\geq 0.8$  or  $2$  W/kg (1-g or 10-g respectively), repeat that measurement once.
- 3) Perform a second repeated measurement only if the **ratio of largest to smallest SAR** for the original and first repeated measurements is  $> 1.20$  or when the original or repeated measurement is  $\geq 1.45$  or  $3.6$  W/kg ( $\sim 10\%$  from the 1-g or 10-g respective SAR limit).
- 4) Perform a third repeated measurement only if the original, first, or second repeated measurement is  $\geq 1.5$  or  $3.75$  W/kg (1-g or 10-g respectively) and the ratio of largest to smallest SAR for the original, first and second repeated measurements is  $> 1.20$ .

### 1-g Repeated Measurements

| Frequency Band (MHz) | Air Interface | Antenna | Power Mode(s) | RF Exposure Conditions | Test Position | Highest Measured SAR (W/kg) | First Repeated      |                               | Repeated SAR (Yes/No) |
|----------------------|---------------|---------|---------------|------------------------|---------------|-----------------------------|---------------------|-------------------------------|-----------------------|
|                      |               |         |               |                        |               |                             | Measured SAR (W/kg) | Largest to Smallest SAR Ratio |                       |
| 700                  | LTE B14       | ANT 2   | Mode A        | Head                   | Right Cheek   | 1.020                       | 1.000               | 1.02                          | Yes                   |
| 850                  | LTE B26       | ANT 2   | Mode A        | Head                   | Left Cheek    | 1.000                       | 0.912               | 1.10                          | Yes                   |
| 1700                 | W-CDMA BIV    | ANT 2   | Mode A        | Head                   | Right Cheek   | 1.160                       | 1.050               | 1.10                          | Yes                   |
| 1900                 | LTE B25       | ANT 4   | Mode A        | Head                   | Left Cheek    | 1.030                       | 0.996               | 1.03                          | Yes                   |
| 2300                 | LTE B30       | ANT 4   | Mode A        | Head                   | Left Cheek    | 1.050                       | 0.990               | 1.06                          | Yes                   |
| 2400                 | FR1 n53       | ANT 2   | Mode A        | Head                   | Left Cheek    | 0.873                       | 0.884               | 1.01                          | Yes                   |
| 2500                 | LTE B7        | ANT 2   | Mode A        | Head                   | Left Cheek    | 0.982                       | 0.892               | 1.10                          | Yes                   |
| 2600                 | LTE B41       | ANT 3   | Mode B        | Hotspot                | Edge Left     | 0.924                       | 0.981               | 1.06                          | Yes                   |
| 3600                 | FR1 n48       | ANT 9   | Mode B        | Hotspot                | Edge Left     | 1.150                       | 0.977               | 1.18                          | Yes                   |

#### Note(s):

Second Repeated Measurement is not required since the ratio of the largest to smallest SAR for the original and first repeated measurement is  $< 1.20$ .

### 10-g Repeated Measurements

Repeated measurement is not required since the original highest measured SAR is  $< 0.8$  W/kg (1-g) or  $2$  W/kg (10-g).



## 12. Simultaneous Transmission Conditions

KDB 447498 D01 General RF Exposure Guidance provides two procedures for determining simultaneous transmission SAR test exclusion: Sum of SAR and SAR to Peak Location Ratio (SPLSR)

### Sum of SAR

To qualify for simultaneous transmission SAR test exclusion based upon Sum of SAR the sum of the reported standalone SARs for all simultaneously transmitting antennas shall be below the applicable standalone SAR limit. If the sum of the SARs is above the applicable limit then simultaneous transmission SAR test exclusion may still apply if the requirements of the SAR to Peak Location Ratio (SPLSR) evaluation are met.

### SAR to Peak Location Ratio (SPLSR)

KDB 447498 D01 General RF Exposure Guidance explains how to calculate the SAR to Peak Location Ratio (SPLSR) between pairs of simultaneously transmitting antennas:

$$SPLSR = (SAR_1 + SAR_2)^{1.5} / Ri$$

Where:

**SAR<sub>1</sub>** is the highest reported or estimated SAR for the first of a pair of simultaneous transmitting antennas, in a specific test operating Mode And exposure condition

**SAR<sub>2</sub>** is the highest reported or estimated SAR for the second of a pair of simultaneous transmitting antennas, in the same test operating Mode And exposure condition as the first

**Ri** is the separation distance between the pair of simultaneous transmitting antennas. When the SAR is measured, for both antennas in the pair, it is determined by the actual x, y and z coordinates in the 1-g SAR for each SAR peak location, based on the extrapolated and interpolated result in the zoom scan measurement, using the formula of  $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$

In order for a pair of simultaneous transmitting antennas with the sum of 1-g SAR > 1.6 W/kg to qualify for exemption from Simultaneous Transmission SAR measurements, it has to satisfy the condition of:

$$(SAR_1 + SAR_2)^{1.5} / Ri \leq 0.04$$

When an individual antenna transmits at on two bands simultaneously, the sum of the highest *reported* SAR for the frequency bands should be used to determine **SAR<sub>1</sub>**, or **SAR<sub>2</sub>**. When SPLSR is necessary, the smallest distance between the peak SAR locations for the antenna pair with respect to the peaks from each antenna should be used.

The antennas in all antenna pairs that do not qualify for simultaneous transmission SAR test exclusion must be tested for SAR compliance, according to the enlarged zoom scan and volume scan post-processing procedures in KDB Publication 865664 D01

**Simultaneous transmission SAR measurement**

When simultaneous transmission SAR measurements are required in different frequency bands not covered by a single probe calibration point then separate tests for each frequency band are performed. The tests are performed using enlarged zoom scans which are processed, by means of superposition, using the DASY volume scan post-processing procedures to determine the 1-g SAR for the aggregate SAR distribution.

The spatial resolution used for all enlarged zoom scans is the same as used for the most stringent zoom scans. I.E. the scan parameters required for the highest frequency assessed are used for all enlarged zoom scans. The scans cover the complete area of the device to ensure all transmitting antennas and radiating structures are assessed.

DASY provides the ability to perform Multiband Evaluations according to the latest standards using the Volume Scan job as well as appropriate routines for the post-processing.

In order to extract and process measurements within different frequency bands, the SEMCAD X Post-processor performs the combination and subsequent superposition of these measurement data via DASY = Combined MultiBand Averaged SAR.

Combined Multi Band Averaged SAR allows - in addition to the data extraction - an evaluation of the 1 g, 10 g and/or arbitrary averaged mass SAR.

Power Scaling Factor is used to allow the volume scans to be scaled by a value other than "1", this is important when the results need to be scaled to different maximum power levels. The Power Scaling Factor is applied to each individual point of the scan. When power scaling is used in multi-band combinations the scaling factor is applied to each individual point of the first scan, the second factor is then applied to each individual point of the second scan and so on. The scans are then combined.

**Simultaneous transmission SAR Exclusion**

According to KDB 248227 D01, simultaneous SAR provisions in KDB 447498 D01 apply to determine simultaneous transmission SAR test exclusion for Wi-Fi MIMO. If the sum of 1-g single transmission chain SAR measurements is <1.6W/kg and/or the MIMO output power is equal or less than a single chain, then no additional SAR measurements for simultaneously at the specified maximum output power of MIMO operation.

When antennas are spatially separated to the extent that SAR distributions do not overlap and can be treated independently, SAR compliance for simultaneous transmission is determined separately for each individual antenna.

In Airplay mode, the device uses same power and power control mechanism as Wi-Fi. Airplay is not supported in hotspot mode. Airplay utilize the same 802.11 modes, modulation, MIMO, Channel Bandwidth, etc. as Wi-Fi does. Therefore Airplay usage is categorized by the Wi-Fi SAR testing contained in Section 10.

The simultaneous transmission possibilities for this device are listed as below.

| RF Exposure Condition                  | Capable Transmit Configurations          |   |                               | Item                             |   |
|--|--|---|-------------------------------|----------------------------------|---|
| Head<br>Body Worn Accessory<br>Hotspot | WWAN & 5G OFF<br>(CELLULAR ANTENNAS OFF) | + | Wi-Fi 2.4 GHz (Power State 1) | 1                                |   |
|  |  | + | Wi-Fi 5 GHz (Power State 1)   | 2                                |   |
|  |  | + | Wi-Fi 5 GHz (Power State 1)   | + Bluetooth (P <sub>High</sub> ) | 3 |
|  | WWAN & 5G ON<br>(CELLULAR ANTENNAS ON)   | + | Wi-Fi 2.4 GHz (Power State 2) |                                  | 4 |
|  |  |   |                               | + Bluetooth (P <sub>High</sub> ) | 5 |
|  |  | + | Wi-Fi 5 GHz (Power State 2)   |                                  | 6 |
|  |  | + | Wi-Fi 5 GHz (Power State 2)   | + Bluetooth (P <sub>Low</sub> )  | 7 |

**Note(s):**

1. Wi-Fi 2.4 GHz & Bluetooth cannot transmit simultaneously.
2. Wi-Fi 2.4 GHz & Wi-Fi 5 GHz cannot transmit simultaneously.
3. Only Wi-Fi 2.4 GHz and Wi-Fi 5 GHz support MIMO transmission.
4. Wi-Fi SISO mode SAR result can also represent for MIMO mode SAR and is used for MIMO mode simultaneous transmission analysis because antennas are not overlapping, and the MIMO mode maximum power is equal or less than SISO mode.
5. 5G NR only supported NSA mode.
6. For EN-DC mode, the dynamic budget time averaging algorithm (TAS) in WWAN adds directly to the RF exposure from 4G (LTE) and 5G NR. The TAS algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the *Cellular TAS and Dynamic Budget Sharing Validation Test Report* during algorithm validation. In this report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
7. MSS can transmit simultaneously in the same way as cellular.

**12.1. WWAN Cell-off & Wi-Fi & BT**

| RF Exposure conditions | Test Position | Power State 2 SAR (W/kg) |                         | ∑ 1-g SAR (W/kg) |
|------------------------|---------------|--------------------------|-------------------------|------------------|
|                        |               | 1                        | 2                       | 1+2              |
|                        |               | Wi-Fi 5G CELL OFF        | BT (P <sub>high</sub> ) |                  |
| Head                   | Left Cheek    | 0.613                    | 0.254                   | 0.867            |
|                        | Left Tilt     | 0.613                    | 0.254                   | 0.867            |
|                        | Right Cheek   | 1.122                    | 0.254                   | 1.376            |
|                        | Right Tilt    | 1.114                    | 0.254                   | 1.368            |
| Body-worn & Hotspot    | Back          | 1.048                    | 0.163                   | 1.211            |
|                        | Front         | 0.219                    | 0.163                   | 0.382            |
| Hotspot                | Edge Top      | 0.098                    | 0.192                   | 0.290            |
|                        | Edge Right    | 0.098                    | 0.192                   | 0.290            |
|                        | Edge Bottom   | 0.098                    | 0.192                   | 0.290            |
|                        | Edge Left     | 0.546                    | 0.231                   | 0.777            |

**12.2. WWAN (PCE) Cell-on & Wi-Fi & BT**

| RF Exposure conditions | Test Position | Power State 2 SAR (W/kg) |                    |                  |                        |                         | ∑ 1-g SAR (W/kg) |       |       |       |
|------------------------|---------------|--------------------------|--------------------|------------------|------------------------|-------------------------|------------------|-------|-------|-------|
|                        |               | 1                        | 2                  | 3                | 4                      | 5                       | 1+2              | 1+3   | 1+5   | 1+3+4 |
|                        |               | WWAN (PCE)               | Wi-Fi 2.4G CELL ON | Wi-Fi 5G CELL ON | BT (P <sub>low</sub> ) | BT (P <sub>high</sub> ) |                  |       |       |       |
| Head                   | Left Cheek    | 0.994                    | 0.500              | 0.279            | 0.090                  | 0.254                   | 1.494            | 1.273 | 1.248 | 1.363 |
|                        | Left Tilt     | 0.994                    | 0.120              | 0.279            | 0.090                  | 0.254                   | 1.114            | 1.273 | 1.248 | 1.363 |
|                        | Right Cheek   | 0.987                    | 0.120              | 0.477            | 0.090                  | 0.254                   | 1.107            | 1.464 | 1.241 | 1.554 |
|                        | Right Tilt    | 0.923                    | 0.120              | 0.279            | 0.090                  | 0.254                   | 1.043            | 1.202 | 1.177 | 1.292 |
| Body-worn & Hotspot    | Back          | 0.994                    | 0.278              | 0.447            | 0.055                  | 0.163                   | 1.272            | 1.441 | 1.157 | 1.496 |
|                        | Front         | 0.844                    | 0.278              | 0.031            | 0.055                  | 0.163                   | 1.122            | 0.875 | 1.007 | 0.930 |
| Hotspot                | Edge Top      | 0.991                    | 0.260              | 0.038            | 0.062                  | 0.192                   | 1.251            | 1.029 | 1.183 | 1.091 |
|                        | Edge Right    | 0.998                    | 0.398              | 0.038            | 0.062                  | 0.192                   | 1.396            | 1.036 | 1.190 | 1.098 |
|                        | Edge Bottom   | 0.988                    | 0.260              | 0.038            | 0.062                  | 0.192                   | 1.248            | 1.026 | 1.180 | 1.088 |
|                        | Edge Left     | 0.997                    | 0.260              | 0.038            | 0.082                  | 0.231                   | 1.257            | 1.035 | 1.228 | 1.117 |

**12.3. WWAN (TNE) Cell-on & Wi-Fi & BT**

| RF Exposure conditions | Test Position | Power State 2 SAR (W/kg) |                    |                  |                        |                         | ∑ 1-g SAR (W/kg) |       |       |       |
|------------------------|---------------|--------------------------|--------------------|------------------|------------------------|-------------------------|------------------|-------|-------|-------|
|                        |               | 1                        | 2                  | 3                | 4                      | 5                       | 1+2              | 1+3   | 1+5   | 1+3+4 |
|                        |               | WWAN (TNE)               | Wi-Fi 2.4G CELL ON | Wi-Fi 5G CELL ON | BT (P <sub>low</sub> ) | BT (P <sub>high</sub> ) |                  |       |       |       |
| Head                   | Left Cheek    | 0.957                    | 0.500              | 0.279            | 0.090                  | 0.254                   | 1.457            | 1.236 | 1.211 | 1.326 |
|                        | Left Tilt     | 0.959                    | 0.120              | 0.279            | 0.090                  | 0.254                   | 1.079            | 1.238 | 1.213 | 1.328 |
|                        | Right Cheek   | 0.763                    | 0.120              | 0.477            | 0.090                  | 0.254                   | 0.883            | 1.240 | 1.017 | 1.330 |
|                        | Right Tilt    | 0.615                    | 0.120              | 0.279            | 0.090                  | 0.254                   | 0.735            | 0.894 | 0.869 | 0.984 |
| Body-worn & Hotspot    | Back          | 0.936                    | 0.278              | 0.447            | 0.055                  | 0.163                   | 1.214            | 1.383 | 1.099 | 1.438 |
|                        | Front         | 0.750                    | 0.278              | 0.031            | 0.055                  | 0.163                   | 1.028            | 0.781 | 0.913 | 0.836 |
| Hotspot                | Edge Top      | 0.676                    | 0.260              | 0.038            | 0.062                  | 0.192                   | 0.936            | 0.714 | 0.868 | 0.776 |
|                        | Edge Right    | 0.926                    | 0.398              | 0.038            | 0.062                  | 0.192                   | 1.324            | 0.964 | 1.118 | 1.026 |
|                        | Edge Bottom   | 0.751                    | 0.260              | 0.038            | 0.062                  | 0.192                   | 1.011            | 0.789 | 0.943 | 0.851 |
|                        | Edge Left     | 0.360                    | 0.260              | 0.038            | 0.082                  | 0.231                   | 0.620            | 0.398 | 0.591 | 0.480 |

**12.4. WWAN (CBE) Cell-on & Wi-Fi & BT**

| RF Exposure conditions | Test Position | Power State 2 SAR (W/kg) |                    |                  |                        |                         | ∑ 1-g SAR (W/kg) |       |       |       |
|------------------------|---------------|--------------------------|--------------------|------------------|------------------------|-------------------------|------------------|-------|-------|-------|
|                        |               | 1                        | 2                  | 3                | 4                      | 5                       | 1+2              | 1+3   | 1+5   | 1+3+4 |
|                        |               | WWAN (CBE)               | Wi-Fi 2.4G CELL ON | Wi-Fi 5G CELL ON | BT (P <sub>low</sub> ) | BT (P <sub>high</sub> ) |                  |       |       |       |
| Head                   | Left Cheek    | 0.989                    | 0.500              | 0.279            | 0.090                  | 0.254                   | 1.489            | 1.268 | 1.243 | 1.358 |
|                        | Left Tilt     | 0.903                    | 0.120              | 0.279            | 0.090                  | 0.254                   | 1.023            | 1.182 | 1.157 | 1.272 |
|                        | Right Cheek   | 0.826                    | 0.120              | 0.477            | 0.090                  | 0.254                   | 0.946            | 1.303 | 1.080 | 1.393 |
|                        | Right Tilt    | 0.990                    | 0.120              | 0.279            | 0.090                  | 0.254                   | 1.110            | 1.269 | 1.244 | 1.359 |
| Body-worn & Hotspot    | Back          | 0.990                    | 0.278              | 0.447            | 0.055                  | 0.163                   | 1.268            | 1.437 | 1.153 | 1.492 |
|                        | Front         | 0.466                    | 0.278              | 0.031            | 0.055                  | 0.163                   | 0.744            | 0.497 | 0.629 | 0.552 |
| Hotspot                | Edge Top      | 0.214                    | 0.260              | 0.038            | 0.062                  | 0.192                   | 0.474            | 0.252 | 0.406 | 0.314 |
|                        | Edge Right    | 0.996                    | 0.398              | 0.038            | 0.062                  | 0.192                   | 1.394            | 1.034 | 1.188 | 1.096 |
|                        | Edge Bottom   | 0.312                    | 0.260              | 0.038            | 0.062                  | 0.192                   | 0.572            | 0.350 | 0.504 | 0.412 |
|                        | Edge Left     | 0.979                    | 0.260              | 0.038            | 0.082                  | 0.231                   | 1.239            | 1.017 | 1.210 | 1.099 |

**12.5. MSS (TNE) Cell-on & NFC**

| RF Exposure conditions | Test Position | Power State 2 SAR (W/kg) |       | ∑ 10-g SAR (W/kg) |
|------------------------|---------------|--------------------------|-------|-------------------|
|                        |               | 1                        | 2     | 1+2               |
|                        |               | MSS CELL-ON              | NFC   |                   |
| Extremity              | Back          | 1.404                    | 0.005 | 1.409             |
|                        | Front         | 1.854                    | 0.005 | 1.859             |
|                        | Edge Top      | 0.414                    | 0.006 | 0.420             |
|                        | Edge Right    | 1.414                    | 0.001 | 1.415             |
|                        | Edge Bottom   | 0.064                    | 0.001 | 0.065             |
|                        | Edge Left     | 0.064                    | 0.001 | 0.065             |

## **Appendixes**

**Refer to separated files for the following appendixes.**

**Appendix A: SAR Setup Photos**

**Appendix B: SAR System Check Plots**

**Appendix C: SAR Highest Test Plots**

**Appendix D: Tissue Ingredients**

**Appendix E: Probe Certificates**

**Appendix F: Dipole Certificates**

**Appendix G: Power Reduction Validation**

**END OF REPORT**