# TEST REPORT

## No.I23N00696-SAR

**For**

**Realme Chongqing Mobile Telecommunications Corp., Ltd.**

**Mobile Phone**

**Model Name: RMX3710**

**With**

**Hardware Version: 11**

**Software Version: ColorOS 13.0**

**FCC ID: 2AUYFRMX3710**

**Issued Date: 2023-06-20**

**Designation Number: CN1210**

**Note:**

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of SAICT.

**Test Laboratory:**

**SAICT, Shenzhen Academy of Information and Communications Technology**

Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China 518000.

Tel:+86(0)755-33322000, Fax:+86(0)755-33322001

Email: yewu@caict.ac.cn. www.saict.ac.cn

# REPORT HISTORY

| Report Number | Revision | Description | Issue Date |
|---|---|---|---|
| I23N00696-SAR | Rev.0 | 1st edition | 2023-06-20 |

# CONTENTS

# 1. Summary of Test Report

## 1.1. Test Items

| | |
|---|---|
| Description: | Mobile Phone |
| Model Name: | RMX3710 |
| Applicant's Name: | Realme Chongqing Mobile Telecommunications Corp., Ltd. |
| Manufacturer's Name: | Realme Chongqing Mobile Telecommunications Corp., Ltd. |

## 1.2. Test Standards

ANSI C95.1:1992, IEEE 1528:2013

## 1.3. Test Result

Pass. Please refer to "13. Summary of Test Results"

## 1.4. Testing Location

Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China

## 1.5. Project Data

Testing Start Date: 2023-05-08 Testing End Date: 2023-06-05

## 1.6. Signature

**Li Yongfu**
**(Prepared this test report)**

**Liu Jian**
**(Reviewed this test report)**

**Cao Junfei**
**(Approved this test report)**

## 2. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for Realme Chongqing Mobile Telecommunications Corp., Ltd. Mobile Phone RMX3710 are as follows:

**Table 2.1: Highest Reported SAR (1g)**

| Equipment Class | Frequency Bands | 1g SAR (W/kg) | | |
|---|---|---|---|---|
| | | Head (Separation Distance 0mm) | Hotspot (Separation Distance 10mm) | Body-worn (Separation Distance 15mm) |
| PCE | GSM 850 | 0.45 | 0.24 | 0.21 |
| | GSM 1900 | 0.36 | 0.57 | 0.16 |
| | WCDMA Band 2 | 1.05 | 0.80 | 0.24 |
| | WCDMA Band 4 | 0.88 | 0.61 | 0.24 |
| | WCDMA Band 5 | 0.61 | 0.25 | 0.18 |
| | LTE Band 2 | 0.67 | 0.77 | 0.19 |
| | LTE Band 4 | 0.49 | 0.73 | 0.24 |
| | LTE Band 5 | 0.73 | 0.34 | 0.19 |
| | LTE Band 7 | 0.88 | **0.97** | **0.31** |
| | LTE Band 13 | 0.40 | 0.28 | 0.20 |
| | LTE Band 38 | 0.68 | 0.57 | 0.15 |
| | LTE Band 41 | 0.58 | 0.70 | 0.13 |
| | LTE Band 66 | **1.13** | 0.74 | 0.29 |
| DSS | Bluetooth | 0.08 | 0.02 | 0.01 |
| DTS | WLAN 2.4GHz | 0.66 | 0.27 | 0.12 |
| NII | WLAN 5GHz | 1.11 | 0.70 | 0.30 |

**Table 2.2: Highest Reported SAR (10g)**

| Equipment Class | Frequency Bands | Extremity 10g SAR (W/Kg) (Separation Distance 0mm) |
|---|---|---|
| NII | WLAN 5GHz | **1.35** |

The SAR values found for the Mobile Phone are below the maximum recommended levels of 1.6 W/Kg as averaged over any 1g tissue according to the ANSI C95.1-1992.

The measurement together with the test system set-up is described in annex C of this test report. A detailed description of the equipment under test can be found in chapter 4 of this test report.

The highest reported SAR value is obtained at the case of **(Table 2.1&2.2)**, Head value is **1.13 W/kg (1g)**, Hotspot value is **0. 97 W/kg (1g)**, Body-worn value is **0.31 W/kg (1g)** and Extremity SAR value is **1.35 W/kg (10g)**.

**Table 2.3: Maximum Simultaneous Transmission SAR**

| / | Position | Sum (W/kg) |
|---|---|---|
| Highest reported SAR value for Head | Right Tilt (WCDMA Band 66 + WLAN 5GHz + Bluetooth) | **1.58** |
| Highest reported SAR value for Hotspot | Top Side (WCDMA Band 2 + WLAN 5GHz + Bluetooth) | **0.94** |
| Highest reported SAR value for Body-worn | Rear Side (WCDMA Band 4 + WLAN 5GHz + Bluetooth) | **0.45** |

Note: the test positions of above tables are for the worse case that has been evaluated.

According to the above tables, the highest sum of reported SAR values is **1.58 W/kg (1g)**.

The detail for simultaneous transmission consideration is described in chapter 12.

# 3. Client Information

## 3.1. Applicant Information

| | |
|---|---|
| Company Name: | Realme Chongqing Mobile Telecommunications Corp., Ltd. |
| Address: | No.178 Yulong Avenue,Yufengshan,Yubei District,Chongqing,China |
| City: | Chongqing |
| Country: | China |
| Telephone: | (86)13798864426 |

## 3.2. Manufacturer Information

| | |
|---|---|
| Company Name: | Realme Chongqing Mobile Telecommunications Corp., Ltd. |
| Address: | No.178 Yulong Avenue,Yufengshan,Yubei District,Chongqing,China |
| City: | Chongqing |
| Country: | China |
| Telephone: | (86)13798864426 |

# 4. Equipment under Test (EUT) and Ancillary Equipment (AE)

## 4.1. About EUT

| | |
|---|---|
| Description: | Mobile Phone |
| Model Name: | RMX3710 |
| Condition of EUT as received: | No obvious damage in appearance |
| Frequency Bands: | GSM 850/1900, WCDMA Band 2/4/5,<br>LTE Band 2/4/5/7/13/38/41/66,<br>Bluetooth, WLAN 2.4GHz, WLAN 5GHz |
| Tested Tx Frequency: | 824 – 849MHz (GSM 850) |
| | 1850 – 1910MHz (GSM 1900) |
| | 1850 – 1910MHz (WCDMA Band 2) |
| | 1710 – 1755MHz (WCDMA Band 4) |
| | 824 – 849MHz (WCDMA Band 5) |
| | 1850 – 1910MHz (LTE Band 2) |
| | 1700 – 1755MHz (LTE Band 4) |
| | 824 – 849MHz (LTE Band 5) |
| | 2500 – 2570MHz (LTE Band 7) |
| | 777 – 787MHz (LTE Band 13) |
| | 2570 – 2620MHz (LTE Band 38) |
| | 2535 – 2655MHz (LTE Band 41) |
| | 1710 – 1780MHz (LTE Band 66) |
| | 2402 – 2480MHz (Bluetooth) |
| | 2412 – 2462MHz (WLAN 2.4GHz) |
| | 5150 – 5850MHz (WLAN 5GHz) |
| GPRS / EGPRS Multislot Class: | 12 |
| GPRS capability Class: | B |
| Test device Production information: | Production unit |
| Device type: | Portable device |
| Antenna type: | Integrated antenna |
| Hotspot mode: | Support |
| Product Dimensions: | Long 165.66mm;Wide 73.91mm;Overall Diagonal 181.65mm |

**Remark:**

1. This device does not support DTM operation.

2. This device WLAN 5GHz U-NII-2A and U-NII-2C don't support hotspot operation.

3. This device support the receiver detection mechanism, the main purpose is to minimize triggering associated with power reduction scenarios by receiver detection mechanisms and provide enhanced user experience. It uses the receiver to indicate whether the user is making a call in head scenario or not. The selection between head and body power levels is based on the receiver detection mechanism. It can determine proximity to head or body and set the relevant power level for 2G&3G&4G and WLAN antennas accordingly.

## 4.2. Internal Identification of EUT used during the test

| EUT ID* | IMEI | HW Version | SW Version | Receipt Date |
|---|---|---|---|---|
| UT02aa | IMEI1:860022061581255<br>IMEI2:860022061581248 | 11 | ColorOS 13.0 | 2023-04-28 |
| UT05aa | IMEI1:860022061581578<br>IMEI2:860022061581560 | 11 | ColorOS 13.0 | 2023-04-20 |
| UT06aa | IMEI1:860022061581370<br>IMEI2:860022061581362 | 11 | ColorOS 13.0 | 2023-04-20 |

*EUT ID: is used to identify the test sample in the lab internally.

**Note:** It is performed to test SAR with the UT02aa & UT06aa, and conducted power with the UT05aa.

## 4.3. Internal Identification of AE used during the test

| AE ID* | Description | Model | Manufacturer |
|---|---|---|---|
| AE1 | Battery | BLP875 | Dongguan NVT Technology Limited |
| AE2 | Battery | BLP875 | Sunwoda Electronic Co., Ltd. |
| AE3 | Battery | BLP875 | TWS Technology (Guangzhou) Limited |
| AE4 | Headset | MH156 | / |

*AE ID: is used to identify the test sample in the lab internally.

**Note:** The device has three types of batteries. We perform the SAR measurement with AE1 battery and Spot check test with AE2 and AE3 batteries.

# 5. Test Methodology

## 5.1. Applicable Limit Regulations

**ANSI C95.1:1992** IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

It specifies the maximum exposure limit of **1.6 W/kg** as averaged over any 1 gram of tissue for portable devices being used within 20 cm of the user in the uncontrolled environment.

## 5.2. Applicable Measurement Standards

**IEEE 1528:2013** Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Experimental Techniques.

**KDB 447498 D01 General RF Exposure Guidance v06** RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices

**KDB 648474 D04 Handset SAR v01r03** SAR Evaluation Considerations for Wireless Handsets.

**KDB 941225 D01 SAR test for 3G devices v03r01** SAR Measurement Procedures for 3G Devices

**KDB 941225 D05 SAR for LTE Devices v02r05** SAR Evaluation Considerations for LTE Devices

**KDB 941225 D06 Hot Spot SAR v02r01** SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities

**KDB 248227 D01 802.11 Wi-Fi SAR v02r02** SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitters.

**KDB 865664 D01SAR measurement 100 MHz to 6 GHz v01r04** SAR Measurement Requirements for 100 MHz to 6 GHz

**KDB 865664 D02 RF Exposure Reporting v01r02** RF Exposure Compliance Reporting and Documentation Considerations

**KDB 941225 D07 UMPC Mini Tablet v01r02** SAR Evaluation Procedures for UMPC Mini-Tablet Devices

**TCB workshop April 2019: RF Exposure Procedures**

# 6. Specific Absorption Rate (SAR)

## 6.1. Introduction

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

## 6.2. SAR Definition

The SAR definition is the time derivative (rate) of the incremental energy ( $dW$ ) absorbed by (dissipated in) an incremental mass ( $dm$ ) contained in a volume element ( $dv$ ) of a given density ( $\rho$ ) . The equation description is as below:

$$SAR = \frac{d}{dt}(\frac{dW}{dm}) = \frac{d}{dt}(\frac{dW}{\rho dv})$$

SAR is expressed in units of Watts per kilogram (W/kg)
SAR measurement can be either related to the temperature elevation in tissue by

$$SAR = c(\frac{\delta T}{\delta t})$$

Where: C is the specific head capacity, $\delta T$ is the temperature rise and $\delta t$ is the exposure duration, or related to the electrical field in the tissue by

$$SAR = \frac{\sigma |E|^2}{\rho}$$

Where: $\sigma$ is the conductivity of the tissue, $\rho$ is the mass density of tissue and $E$ is the RMS electrical field strength.

However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

# 7. Tissue Simulating Liquids

## 7.1. Targets for tissue simulating liquid

**Table 7.1: Targets for tissue simulating liquid**

| Frequency (MHz) | Liquid Type | Conductivity (σ) | ± 5% Range | Permittivity (ε) | ± 5% Range |
|---|---|---|---|---|---|
| 750 | Head | 0.89 | 0.85～0.93 | 41.9 | 39.8～44.0 |
| 835 | Head | 0.90 | 0.86～0.95 | 41.5 | 39.4～43.6 |
| 1750 | Head | 1.37 | 1.30～1.44 | 40.1 | 38.1～42.1 |
| 1900 | Head | 1.40 | 1.33～1.47 | 40.0 | 38.0～42.0 |
| 2450 | Head | 1.80 | 1.71～1.89 | 39.2 | 37.2～41.2 |
| 2550 | Head | 1.91 | 1.81～2.01 | 39.1 | 37.1～41.0 |
| 5250 | Head | 4.71 | 4.47～4.95 | 35.9 | 34.1～37.7 |
| 5600 | Head | 5.07 | 4.82～5.32 | 35.5 | 33.8～37.3 |
| 5750 | Head | 5.22 | 4.96～5.48 | 35.4 | 33.6～37.1 |

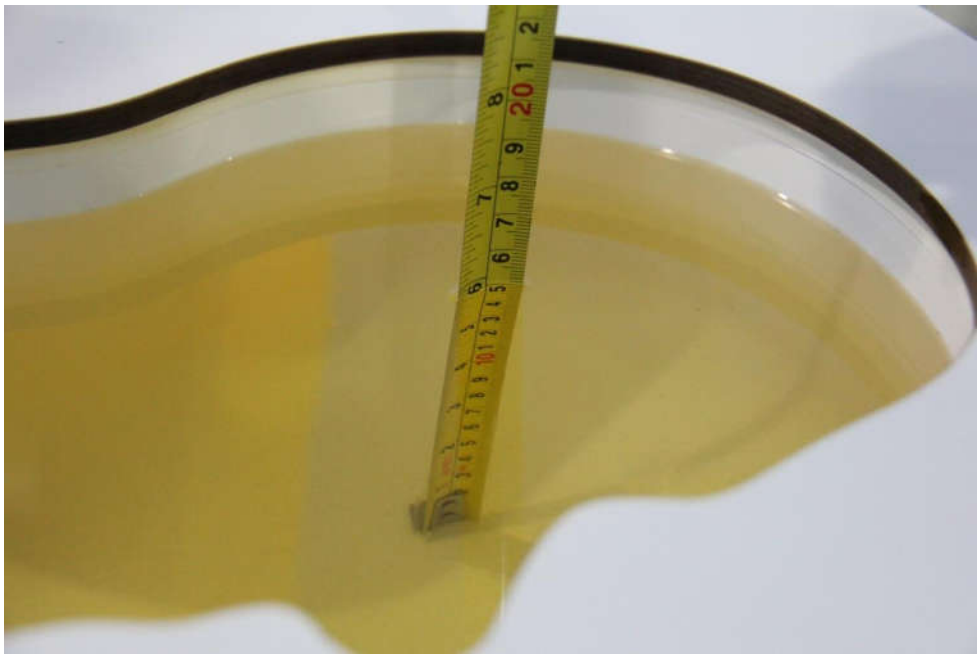
## 7.2. Dielectric Performance

**Table 7.2: Dielectric Performance of Tissue Simulating Liquid**

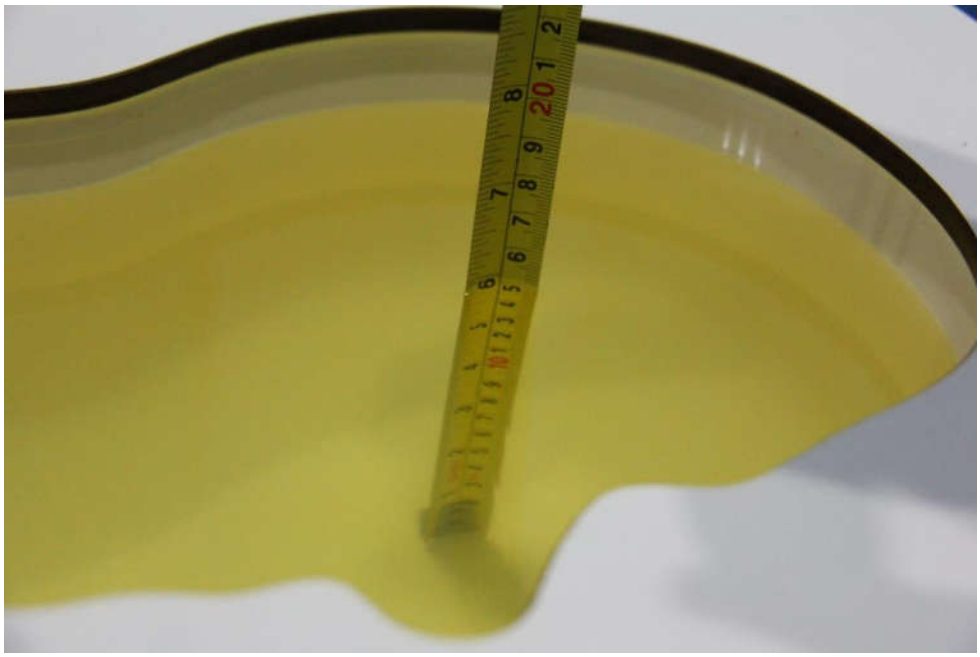
| Measurement Date (yyyy-mm-dd) | Type | Frequency (MHz) | Conductivity σ (S/m) | Drift (%) | Permittivity ε | Drift (%) |
|---|---|---|---|---|---|---|
| 2023-05-12 | 750 | Head | 0.881 | -1.01 | 42.35 | 1.07 |
| 2023-05-08 | 835 | Head | 0.909 | 1.00 | 40.57 | -2.24 |
| 2023-05-18 | 1750 | Head | 1.388 | 1.31 | 39.46 | -1.60 |
| 2023-05-28 | 1750 | Head | 1.362 | -0.58 | 39.70 | -1.00 |
| 2023-05-20 | 1900 | Head | 1.425 | 1.79 | 39.23 | -1.93 |
| 2023-05-28 | 1900 | Head | 1.414 | 1.00 | 39.48 | -1.30 |
| 2023-06-05 | 2450 | Head | 1.841 | 2.28 | 38.33 | -2.22 |
| 2023-05-17 | 2550 | Head | 1.958 | 2.51 | 38.06 | -2.66 |
| 2023-05-19 | 2550 | Head | 1.949 | 2.04 | 38.33 | -1.97 |
| 2023-06-03 | 5250 | Head | 4.645 | -1.38 | 36.59 | 1.92 |
| 2023-06-03 | 5600 | Head | 5.017 | -1.05 | 35.93 | 1.21 |
| 2023-06-03 | 5750 | Head | 5.309 | 1.70 | 34.57 | -2.34 |

Note: The liquid temperature is 22.0°C.

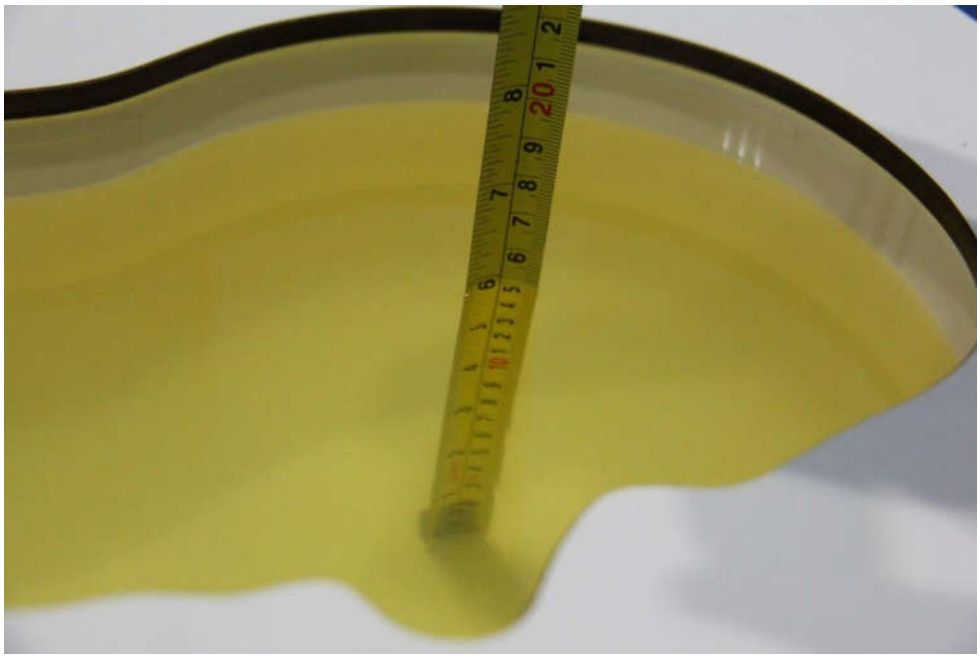
**Picture 7-1: Liquid depth in the Head Phantom (750MHz)**



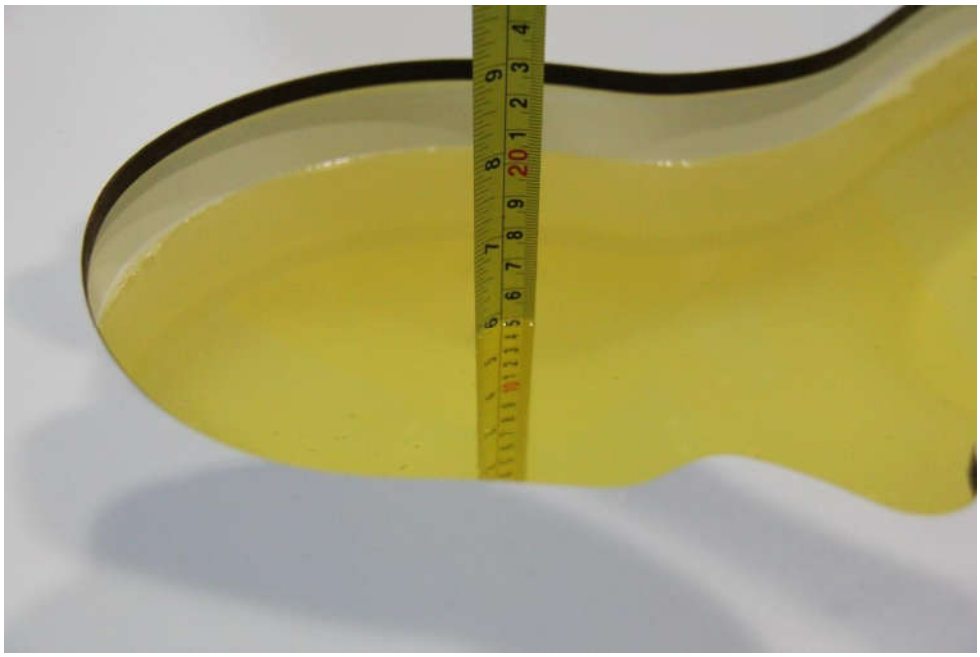
**Picture 7-2: Liquid depth in the Head Phantom (835MHz)**



**Picture 7-3: Liquid depth in the Head Phantom (1750MHz)**



**Picture 7-4: Liquid depth in the Head Phantom (1900MHz)**



**Picture 7-5: Liquid depth in the Head Phantom (2450MHz)**

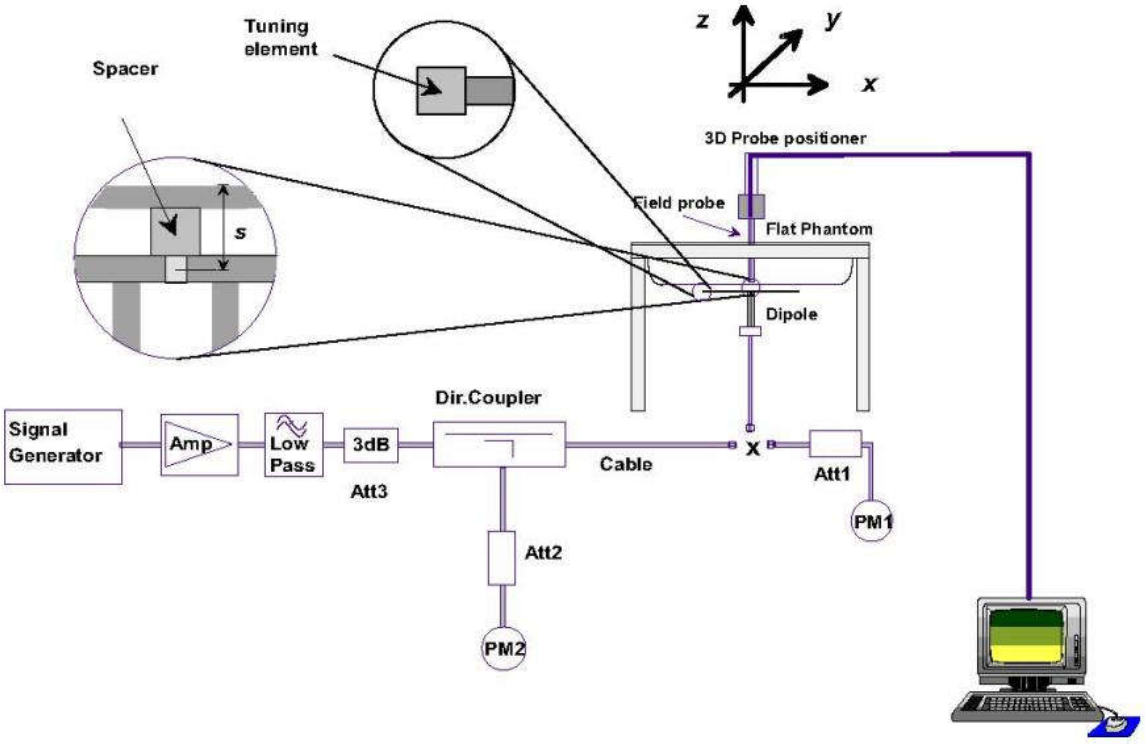
**Picture 7-6: Liquid depth in the Head Phantom (2550MHz)**

**Picture 7-7: Liquid depth in the Head Phantom (5GHz)**

# 8. System verification

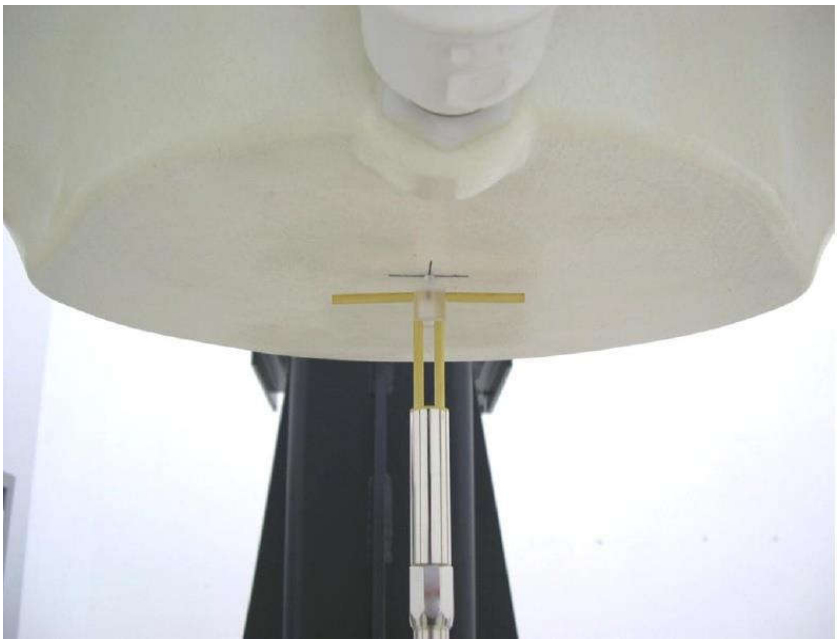
## 8.1. System Setup

In the simplified setup for system evaluation, the DUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:




**Picture 8.1 System Setup for System Evaluation**

For the dipole below 3GHz, the output power on dipole port must be calibrated to 24 dBm (250mW) before dipole is connected.
For the dipole above 3GHz, the output power on dipole port must be calibrated to 20 dBm (100mW) before dipole is connected.



**Picture 8.2 Photo of Dipole Setup**

## 8.2. System Verification

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.

**Table 8.1: System Verification of Head**

| Measurement Date | Frequency (MHz) | Target value (W/kg) | | Measured value (W/kg) | | | | Deviation (%) | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | / | | Normalize to 1W | | | |
| | | 10 g | 1 g | 10 g | 1 g | 10 g | 1 g | 10 g | 1 g |
| 2023-05-12 | 750 | 5.62 | 8.48 | 1.37 | 2.05 | 5.48 | 8.20 | -2.49 | -3.30 |
| 2023-05-08 | 835 | 6.29 | 9.64 | 1.62 | 2.50 | 6.48 | 10.00 | 3.02 | 3.73 |
| 2023-05-18 | 1750 | 19.60 | 36.30 | 5.02 | 9.46 | 20.08 | 37.84 | 2.45 | 4.24 |
| 2023-05-28 | 1750 | 19.60 | 36.30 | 4.83 | 8.75 | 19.32 | 35.00 | -1.43 | -3.58 |
| 2023-05-20 | 1900 | 20.50 | 40.20 | 5.27 | 10.5 | 21.08 | 42.00 | 2.83 | 4.48 |
| 2023-05-28 | 1900 | 20.50 | 40.20 | 5.18 | 10.3 | 20.72 | 41.20 | 1.07 | 2.49 |
| 2023-06-05 | 2450 | 24.20 | 53.20 | 6.23 | 13.9 | 24.92 | 55.60 | 2.98 | 4.51 |
| 2023-05-17 | 2550 | 25.20 | 55.90 | 6.49 | 14.5 | 25.96 | 58.00 | 3.02 | 3.76 |
| 2023-05-19 | 2550 | 25.20 | 55.90 | 6.37 | 14.3 | 25.48 | 57.20 | 1.11 | 2.33 |
| 2023-06-03 | 5250 | 22.80 | 79.70 | 2.22 | 7.64 | 22.20 | 76.40 | -2.63 | -4.14 |
| 2023-06-03 | 5600 | 23.60 | 82.60 | 2.31 | 7.95 | 23.10 | 79.50 | -2.12 | -3.75 |
| 2023-06-03 | 5750 | 22.10 | 78.50 | 2.25 | 8.11 | 22.50 | 81.10 | 1.81 | 3.31 |

# 9. Measurement Procedures

## 9.1. Tests to be performed

In order to determine the highest value of the peak spatial-average SAR of a handset, all device positions, configurations and operational modes shall be tested for each frequency band according to steps 1 to 3 below. A flowchart of the test process is shown in picture 9.1.

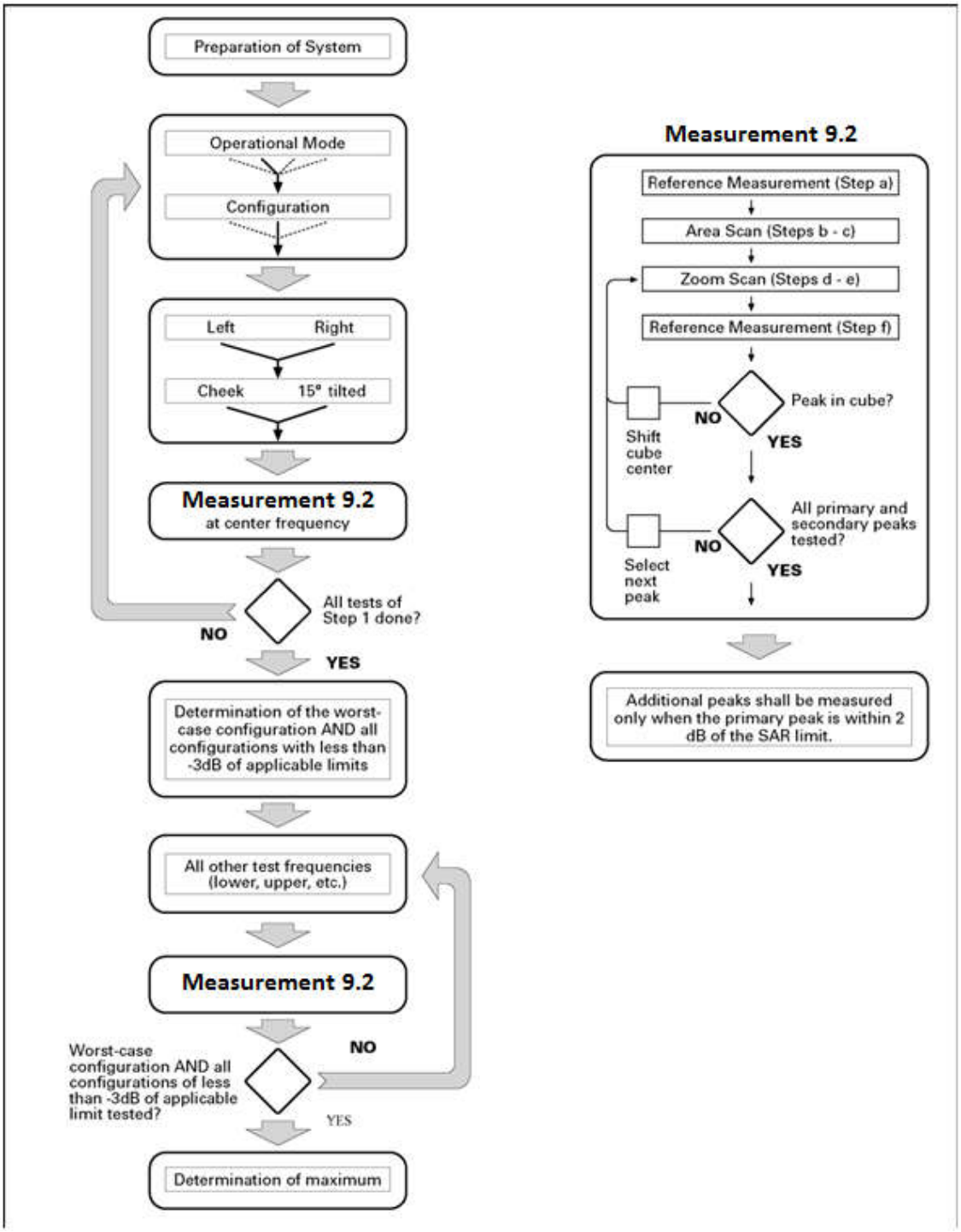
**Step 1**: The tests described in 9.2 shall be performed at the channel that is closest to the center of the transmit frequency band ( $f_c$ ) for:

a) all device positions (cheek and tilt, for both left and right sides of the SAM phantom, as described in annex D),
b) all configurations for each device position in a), e.g., antenna extended and retracted, and
c) all operational modes, e.g., analogue and digital, for each device position in a) and configuration in b) in each frequency band.

If more than three frequencies need to be tested according to 11.1 (i.e., $N_c$ > 3), then all frequencies, configurations and modes shall be tested for all of the above test conditions.

**Step 2**: For the condition providing highest peak spatial-average SAR determined in Step 1, perform all tests described in 9.2 at all other test frequencies, i.e., lowest and highest frequencies. In addition, for all other conditions (device position, configuration and operational mode) where the peak spatial-average SAR value determined in Step 1 is within 3 dB of the applicable SAR limit, it is recommended that all other test frequencies shall be tested as well.

**Step 3**: Examine all data to determine the highest value of the peak spatial-average SAR found in Steps 1 to 2.




**Picture 9.1 Block diagram of the tests to be performed**

## 9.2. General Measurement Procedure

The area and zoom scan resolutions specified in the table below must be applied to the SAR measurements and fully documented in SAR reports to qualify for TCB approval. Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1-g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013. The results should be documented as part of the system validation records and may be requested to support test results when all the measurement parameters in the following table are not satisfied.

<table>
<tr><td colspan="3"></td><td>≤ 3 GHz</td><td>> 3 GHz</td></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5 ± 1 mm</td><td>½·δ·ln(2) ± 0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30° ± 1°</td><td>20° ± 1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: $\Delta x_{Area}$, $\Delta y_{Area}$</td><td>≤ 2 GHz: ≤ 15 mm<br>2 – 3 GHz: ≤ 12 mm</td><td>3 – 4 GHz: ≤ 12 mm<br>4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">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.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: $\Delta x_{Zoom}$, $\Delta y_{Zoom}$</td><td>≤ 2 GHz: ≤ 8 mm<br>2 – 3 GHz: ≤ 5 mm*</td><td>3 – 4 GHz: ≤ 5 mm*<br>4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="3">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2">uniform grid: $\Delta z_{Zoom}(n)$</td><td>≤ 5 mm</td><td>3 – 4 GHz: ≤ 4 mm<br>4 – 5 GHz: ≤ 3 mm<br>5 – 6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="2">graded grid</td><td>$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface</td><td>≤ 4 mm</td><td>3 – 4 GHz: ≤ 3 mm<br>4 – 5 GHz: ≤ 2.5 mm<br>5 – 6 GHz: ≤ 2 mm</td></tr>
<tr><td>$\Delta z_{Zoom}(n>1)$: between subsequent points</td><td colspan="2">≤ 1.5·$\Delta z_{Zoom}(n-1)$</td></tr>
<tr><td>Minimum zoom scan volume</td><td colspan="2">x, y, z</td><td>≥ 30 mm</td><td>3 – 4 GHz: ≥ 28 mm<br>4 – 5 GHz: ≥ 25 mm<br>5 – 6 GHz: ≥ 22 mm</td></tr>
<tr><td colspan="5">Note: δ 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 <u>reported</u> SAR from the area scan based 1-g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 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.</td></tr>
</table>

## 9.3. WCDMA Measurement Procedures for SAR

The following procedures are applicable to WCDMA handsets operating under 3GPP Release99, Release 5 and Release 6. The default test configuration is to measure SAR with an established radio link between the DUT and a communication test set using a 12.2kbps RMC (reference measurement channel) configured in Test Loop Mode 1. SAR is selectively confirmed for other physical channel configurations (DPCCH & $DPDCH_n$), HSDPA and HSPA (HSUPA/HSDPA) modes according to output power, exposure conditions and device operating capabilities. Both uplink and downlink should be configured with the same RMC or AMR, when required. SAR for Release 5 HSDPA and Release 6 HSPA are measured using the applicable FRC (fixed reference channel) and E-DCH reference channel configurations. Maximum output power is verified according to applicable versions of 3GPP TS 34.121 and SAR must be measured according to these maximum output conditions. When Maximum Power Reduction (MPR) is not implemented according to Cubic Metric (CM) requirements for Release 6 HSPA, the following procedures do not apply.

**For Release 5 HSDPA Data Devices:**

| Sub-test | $\beta_c$ | $\beta_d$ | $\beta_d$ （SF） | $\beta_c / \beta_d$ | $\beta_{hs}$ | CM/dB |
|---|---|---|---|---|---|---|
| 1 | 2/15 | 15/15 | 64 | 2/15 | 4/15 | 0.0 |
| 2 | 12/15 | 15/15 | 64 | 12/15 | 24/25 | 1.0 |
| 3 | 15/15 | 8/15 | 64 | 15/8 | 30/15 | 1.5 |
| 4 | 15/15 | 4/15 | 64 | 15/4 | 30/15 | 1.5 |

**For Release 6 HSPA Data Devices**

| Sub-test | $\beta_c$ | $\beta_d$ | $\beta_d$ （SF） | $\beta_c / \beta_d$ | $\beta_{hs}$ | $\beta_{ec}$ | $\beta_{ed}$ | $\beta_{ed}$ （SF） | $\beta_{ed}$ （codes） | CM (dB) | MPR (dB) | AG Index | E-TFCI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11/15 | 15/15 | 64 | 11/15 | 22/15 | 209/225 | 1039/225 | 4 | 1 | 1.0 | 0.0 | 20 | 75 |
| 2 | 6/15 | 15/15 | 64 | 6/15 | 12/15 | 12/15 | 12/15 | 4 | 1 | 3.0 | 2.0 | 12 | 67 |
| 3 | 15/15 | 9/15 | 64 | 15/9 | 30/15 | 30/15 | $\beta_{ed1}$:47/15<br>$\beta_{ed2}$:47/15 | 4 | 2 | 2.0 | 1.0 | 15 | 92 |
| 4 | 2/15 | 15/15 | 64 | 2/15 | 4/15 | 4/15 | 56/75 | 4 | 1 | 3.0 | 2.0 | 17 | 71 |
| 5 | 15/15 | 15/15 | 64 | 15/15 | 24/15 | 30/15 | 134/15 | 4 | 1 | 1.0 | 0.0 | 21 | 81 |

## 9.4. SAR Measurement for LTE

SAR tests for LTE are performed with a base station simulator, Anristu MT8820C. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. All powers were measured with the Anristu MT8820C.It is performed for conducted power and SAR based on the KDB941225 D05.

SAR is evaluated separately according to the following procedures for the different test positions in each exposure condition – head, body, body-worn accessories and other use conditions. The procedures in the following subsections are applied separately to test each LTE frequency band.

1) QPSK with 1 RB allocation
   Start with the largest channel bandwidth and measure SAR for QPSK with 1 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 of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.
2) QPSK with 50% RB allocation
   The procedures required for 1 RB allocation in 1) are applied to measure the SAR for QPSK with 50% RB allocation.
3) QPSK with 100% RB allocation
   For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 1) and 2) are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

## 9.5. 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.
SAR was tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special subframe configuration 7.

LTE TDD Band 38/41 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.

| 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 | $6592 \cdot T_s$ | $2192 \cdot T_s$ | $2560 \cdot T_s$ | $7680 \cdot T_s$ | $2192 \cdot T_s$ | $2560 \cdot T_s$ |
| 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 | $26336 \cdot T_s$ | | | $7680 \cdot T_s$ | $4384 \cdot T_s$ | $5120 \cdot T_s$ |
| 5 | $6592 \cdot T_s$ | $4384 \cdot T_s$ | $5120 \cdot T_s$ | $20480 \cdot T_s$ | | |
| 6 | $19760 \cdot T_s$ | | | $23040 \cdot T_s$ | | |
| 7 | $21952 \cdot T_s$ | | | $12800 \cdot T_s$ | | |
| 8 | $24144 \cdot T_s$ | | | - | - | - |
| 9 | $13168 \cdot T_s$ | | | - | - | - |

Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

| 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 | 63.33 |
| 1 | 5 ms | D | S | U | U | D | D | S | U | U | D | 43.33 |
| 2 | 5 ms | D | S | U | D | D | D | S | U | D | D | 23.33 |
| 3 | 10 ms | D | S | U | U | U | D | D | D | D | D | 31.67 |
| 4 | 10 ms | D | S | U | U | D | D | D | D | D | D | 21.67 |
| 5 | 10 ms | D | S | U | D | D | D | D | D | D | D | 11.67 |
| 6 | 5 ms | D | S | U | U | U | D | S | U | U | D | 53.33 |

Calculated Duty Cycle

Calculated Duty Cycle = Extended cyclic prefix in uplink x (Ts) x # of S + # of U
Example for Calculated Duty Cycle for Uplink-Downlink Configuration 0:
Calculated Duty Cycle = 5120 x [1/(15000 x 2048)] x 2 + 6 ms = 63.33%
Where
Ts = 1/(15000 x 2048) seconds

## 9.6. Bluetooth & WLAN Measurement Procedures for SAR

Normal network operating configurations are not suitable for measuring the SAR of 802.11 transmitters in general. Unpredictable fluctuations in network traffic and antenna diversity conditions can introduce undesirable variations in SAR results. The SAR for these devices should be measured using chipset based test mode software to ensure that the results are consistent and reliable.

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in a test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters. The test frequencies should correspond to actual channel frequencies defined for domestic use. SAR for devices with switched diversity should be measured with only one antenna transmitting at a time during each SAR measurement, according to a fixed modulation and data rate. The same data pattern should be used for all measurements.

## 9.7. Power Drift

To control the output power stability during the SAR test, DASY5 system calculates the power drift by measuring the E-field at the same location at the beginning and at the end of the measurement for each test position. These drift values can be found in Section 14 labeled as: (Power Drift [dB]). This ensures that the power drift during one measurement is within 5%.

# 10. Conducted Output Power

**Table 10.1: Summary of power level – WWAN antenna**

| | | |
|---|---|---|
| **WWAN stand-alone** | **Receiver on (Head)** | **Receiver off (Body)** |
| | **Power Level A1** | **Power Level B1** |
| **WWAN + BT/WLAN simultaneous transmission** | **Receiver on (Head)** | **Receiver off (Body)** |
| | **Power Level A2** | **Power Level B2** |

**Table 10.2: Summary of power level – WLAN antenna**

| | | |
|---|---|---|
| **Bluetooth/WLAN stand-alone** | **Receiver on (Head)** | **Receiver off (Body)** |
| | **Power Level C1** | **Power Level D1** |
| **Bluetooth/WLAN + WWAN simultaneous transmission** | **Receiver on (Head)** | **Receiver off (Body)** |
| | **Power Level C2** | **Power Level D2** |

## 10.1. GSM Measurement result

**Table 10.3: The conducted power measurement results for GSM/GPRS/EGPRS**

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GSM850 Speech | Tune up | Measured Power (dBm) | | | / | | | |
| | | Ch.251 | Ch.190 | Ch.128 | | | | |
| 1Tx slot | 31.0 | 30.97 | **30.93** | 30.95 | | | | |
| GPRS850/ EDGE850 (GMSK) | / | Measured timeslot-Averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.251 | Ch.190 | Ch.128 | | Ch.251 | Ch.190 | Ch.128 |
| 1Tx-slot | 31.0 | 30.92 | 30.78 | 30.89 | -9.03 | 21.89 | 21.75 | 21.86 |
| 2Tx-slots | 27.5 | 27.31 | 27.36 | 27.46 | -6.02 | 21.29 | 21.34 | 21.44 |
| 3Tx-slots | 26.5 | 26.34 | 26.43 | 26.44 | -4.26 | 22.08 | 22.17 | 22.18 |
| 4Tx-slots | 25.5 | 25.30 | 25.38 | 25.48 | -3.01 | 22.29 | 22.37 | 22.47 |
| EDGE850 (8PSK) | / | Measured timeslot-Averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.251 | Ch.190 | Ch.128 | | Ch.251 | Ch.190 | Ch.128 |
| 1Tx-slot | 26.0 | 25.65 | 25.52 | 25.61 | -9.03 | 16.62 | 16.49 | 16.58 |
| 2Tx-slots | 23.0 | 22.72 | 22.57 | 22.69 | -6.02 | 16.70 | 16.55 | 16.67 |
| 3Tx-slots | 22.0 | 21.99 | 21.94 | 21.99 | -4.26 | 17.73 | 17.68 | 17.73 |
| 4Tx-slots | 21.0 | 20.86 | 20.77 | 20.90 | -3.01 | 17.85 | 17.76 | 17.89 |
| **Ant.1 - Power Level B1/B2** | | | | | | | | |
| GSM850 Speech | Tune up | Measured Power (dBm) | | | / | | | |
| | | Ch.251 | Ch.190 | Ch.128 | | | | |
| 1Tx slot | 33.5 | 32.06 | 31.97 | 32.04 | | | | |
| GPRS850/ EDGE850 (GMSK) | / | Measured timeslot-Averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.251 | Ch.190 | Ch.128 | | Ch.251 | Ch.190 | Ch.128 |
| 1Tx-slot | 33.5 | 33.04 | 32.96 | 33.04 | -9.03 | 24.01 | 23.93 | 24.01 |
| 2Tx-slots | 30.0 | 28.39 | 29.43 | 29.79 | -6.02 | 22.37 | 23.41 | 23.77 |
| 3Tx-slots | 29.0 | 28.36 | 28.48 | 28.85 | -4.26 | 24.10 | 24.22 | 24.59 |
| 4Tx-slots | 28.0 | 27.34 | **27.42** | 27.81 | -3.01 | **24.33** | **24.41** | **24.80** |
| EDGE850 (8PSK) | / | Measured timeslot-Averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.251 | Ch.190 | Ch.128 | | Ch.251 | Ch.190 | Ch.128 |
| 1Tx-slot | 28.5 | 27.59 | 27.45 | 27.49 | -9.03 | 18.56 | 18.42 | 18.46 |
| 2Tx-slots | 25.5 | 24.58 | 24.51 | 24.54 | -6.02 | 18.56 | 18.49 | 18.52 |
| 3Tx-slots | 24.5 | 23.90 | 23.79 | 23.87 | -4.26 | 19.64 | 19.53 | 19.61 |
| 4Tx-slots | 23.5 | 22.68 | 22.56 | 22.67 | -3.01 | 19.67 | 19.55 | 19.66 |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GSM850 Speech | Tune up | Measured Power (dBm) | | | / | | | |
| | | Ch.251 | Ch.190 | Ch.128 | | | | |
| 1Tx slot | 33.5 | 32.43 | **32.51** | 32.26 | | | | |
| GPRS850/ EDGE850 (GMSK) | / | Measured timeslot-Averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.251 | Ch.190 | Ch.128 | | Ch.251 | Ch.190 | Ch.128 |
| 1Tx-slot | 33.5 | 32.40 | 32.49 | 32.23 | -9.03 | 23.37 | 23.46 | 23.20 |
| 2Tx-slots | 30.0 | 28.98 | 28.98 | 28.81 | -6.02 | 22.96 | 22.96 | 22.79 |
| 3Tx-slots | 29.0 | 28.03 | 28.03 | 27.86 | -4.26 | 23.77 | 23.77 | 23.60 |
| 4Tx-slots | 28.0 | 27.00 | 26.98 | 26.81 | -3.01 | 23.99 | 23.97 | 23.80 |
| EDGE850 (8PSK) | / | Measured timeslot-Averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.251 | Ch.190 | Ch.128 | | Ch.251 | Ch.190 | Ch.128 |
| 1Tx-slot | 28.5 | 27.69 | 27.51 | 27.28 | -9.03 | 18.66 | 18.48 | 18.25 |
| 2Tx-slots | 25.5 | 24.78 | 24.64 | 24.35 | -6.02 | 18.76 | 18.62 | 18.33 |
| 3Tx-slots | 24.5 | 24.14 | 23.98 | 23.69 | -4.26 | 19.88 | 19.72 | 19.43 |
| 4Tx-slots | 23.5 | 22.98 | 22.78 | 22.53 | -3.01 | 19.97 | 19.77 | 19.52 |
| **Ant.0 - Power Level B1** | | | | | | | | |
| GSM850 Speech | Tune up | Measured Power (dBm) | | | / | | | |
| | | Ch.251 | Ch.190 | Ch.128 | | | | |
| 1Tx slot | 32.5 | 31.53 | 31.61 | 31.35 | | | | |
| GPRS850/ EDGE850 (GMSK) | / | Measured timeslot-Averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.251 | Ch.190 | Ch.128 | | Ch.251 | Ch.190 | Ch.128 |
| 1Tx-slot | 32.5 | 31.55 | 31.62 | 31.37 | -9.03 | 22.52 | 22.59 | 22.34 |
| 2Tx-slots | 29.0 | 28.12 | 28.17 | 27.95 | -6.02 | 22.10 | 22.15 | 21.93 |
| 3Tx-slots | 28.0 | 27.09 | 27.11 | 26.89 | -4.26 | 22.83 | 22.85 | 22.63 |
| 4Tx-slots | 27.0 | 26.15 | **26.15** | 25.95 | -3.01 | **23.14** | **23.14** | **22.94** |
| EDGE850 (8PSK) | / | Measured timeslot-Averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.251 | Ch.190 | Ch.128 | | Ch.251 | Ch.190 | Ch.128 |
| 1Tx-slot | 27.5 | 26.26 | 26.12 | 25.87 | -9.03 | 17.23 | 17.09 | 16.84 |
| 2Tx-slots | 24.5 | 23.79 | 23.62 | 23.27 | -6.02 | 17.77 | 17.60 | 17.25 |
| 3Tx-slots | 23.5 | 23.02 | 22.73 | 22.48 | -4.26 | 18.76 | 18.47 | 18.22 |
| 4Tx-slots | 22.5 | 21.79 | 21.58 | 21.24 | -3.01 | 18.78 | 18.57 | 18.23 |

| Ant.0 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GSM850 Speech | Tune up | Measured Power (dBm) | | | / | | | |
| | | Ch.251 | Ch.190 | Ch.128 | | | | |
| 1Tx slot | 32.0 | 31.14 | 31.18 | 30.95 | | | | |
| GPRS850/ EDGE850 (GMSK) | / | Measured timeslot-Averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.251 | Ch.190 | Ch.128 | | Ch.251 | Ch.190 | Ch.128 |
| 1Tx-slot | 32.0 | 31.15 | 31.19 | 30.96 | -9.03 | 22.12 | 22.16 | 21.93 |
| 2Tx-slots | 28.5 | 27.69 | 27.70 | 27.48 | -6.02 | 21.67 | 21.68 | 21.46 |
| 3Tx-slots | 27.5 | 26.70 | 26.72 | 26.50 | -4.26 | 22.44 | 22.46 | 22.24 |
| 4Tx-slots | 26.5 | 25.76 | **25.78** | 25.56 | -3.01 | 22.75 | 22.77 | 22.55 |
| EDGE850 (8PSK) | / | Measured timeslot-Averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.251 | Ch.190 | Ch.128 | | Ch.251 | Ch.190 | Ch.128 |
| 1Tx-slot | 27.0 | 25.93 | 25.74 | 25.42 | -9.03 | 16.90 | 16.71 | 16.39 |
| 2Tx-slots | 24.0 | 23.48 | 23.26 | 22.92 | -6.02 | 17.46 | 17.24 | 16.90 |
| 3Tx-slots | 23.0 | 22.77 | 22.58 | 22.25 | -4.26 | 18.51 | 18.32 | 17.99 |
| 4Tx-slots | 22.0 | 21.45 | 21.23 | 20.89 | -3.01 | 18.44 | 18.22 | 17.88 |

| Ant.1 - Power Level A1/A2/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GSM1900 Speech | Tune up | Measured Power (dBm) | | | / | | | |
| | | Ch.810 | Ch.661 | Ch.512 | | | | |
| 1Tx slot | 25.0 | 24.68 | **24.79** | 24.85 | | | | |
| GPRS1900/ EDGE1900 (GMSK) | / | Measured timeslot-Averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.810 | Ch.661 | Ch.512 | | Ch.810 | Ch.661 | Ch.512 |
| 1Tx-slot | 25.0 | 24.74 | 24.86 | 24.91 | -9.03 | 15.71 | 15.83 | 15.88 |
| 2Tx-slots | 21.5 | 20.81 | 21.10 | 21.05 | -6.02 | 14.79 | 15.08 | 15.03 |
| 3Tx-slots | 20.5 | 20.06 | 20.23 | 20.32 | -4.26 | 15.80 | 15.97 | 16.06 |
| 4Tx-slots | 19.5 | 18.98 | **19.17** | 19.23 | -3.01 | **15.97** | **16.16** | **16.22** |
| EDGE1900 (8PSK) | / | Measured timeslot-averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.810 | Ch.661 | Ch.512 | | Ch.810 | Ch.661 | Ch.512 |
| 1Tx-slot | 22.0 | 20.82 | 21.11 | 20.89 | -9.03 | 11.79 | 12.08 | 11.86 |
| 2Tx-slots | 19.0 | 18.18 | 18.43 | 18.24 | -6.02 | 12.16 | 12.41 | 12.22 |
| 3Tx-slots | 18.0 | 17.41 | 17.63 | 17.52 | -4.26 | 13.15 | 13.37 | 13.26 |
| 4Tx-slots | 17.0 | 16.15 | 16.38 | 16.15 | -3.01 | 13.14 | 13.37 | 13.14 |
| **Ant.1 - Power Level B1** | | | | | | | | |
| GSM1900 Speech | Tune up | Measured Power (dBm) | | | / | | | |
| | | Ch.810 | Ch.661 | Ch.512 | | | | |
| 1Tx slot | 27.5 | 26.54 | 26.66 | 26.58 | | | | |
| GPRS1900/ EDGE1900 (GMSK) | / | Measured timeslot-Averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.810 | Ch.661 | Ch.512 | | Ch.810 | Ch.661 | Ch.512 |
| 1Tx-slot | 27.5 | 26.49 | 26.63 | 26.53 | -9.03 | 17.46 | 17.60 | 17.50 |
| 2Tx-slots | 24.0 | 23.61 | 23.77 | 23.69 | -6.02 | 17.59 | 17.75 | 17.67 |
| 3Tx-slots | 23.0 | 21.74 | 21.91 | 21.88 | -4.26 | 17.48 | 17.65 | 17.62 |
| 4Tx-slots | 22.0 | 20.58 | **20.76** | 20.69 | -3.01 | **17.57** | **17.75** | **17.68** |
| EDGE1900 (8PSK) | / | Measured timeslot-averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.810 | Ch.661 | Ch.512 | | Ch.810 | Ch.661 | Ch.512 |
| 1Tx-slot | 24.5 | 22.54 | 22.52 | 22.58 | -9.03 | 13.51 | 13.49 | 13.55 |
| 2Tx-slots | 21.5 | 19.51 | 19.68 | 19.53 | -6.02 | 13.49 | 13.66 | 13.51 |
| 3Tx-slots | 20.5 | 18.61 | 18.87 | 18.73 | -4.26 | 14.35 | 14.61 | 14.47 |
| 4Tx-slots | 19.5 | 17.58 | 17.54 | 17.56 | -3.01 | 14.57 | 14.53 | 14.55 |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GSM1900 Speech | Tune up | Measured Power (dBm) | | | / | | | |
| | | Ch.810 | Ch.661 | Ch.512 | | | | |
| 1Tx slot | 30.5 | 29.08 | **28.96** | 28.92 | | | | |
| GPRS1900/ EDGE1900 (GMSK) | / | Measured timeslot-averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.810 | Ch.661 | Ch.512 | | Ch.810 | Ch.661 | Ch.512 |
| 1Tx-slot | 30.5 | 29.07 | 28.90 | 28.98 | -9.03 | 20.04 | 19.87 | 19.95 |
| 2Tx-slots | 27.0 | 26.43 | 26.06 | 26.17 | -6.02 | 20.41 | 20.04 | 20.15 |
| 3Tx-slots | 26.0 | 24.65 | 24.22 | 24.34 | -4.26 | 20.39 | 19.96 | 20.08 |
| 4Tx-slots | 25.0 | 23.48 | 23.08 | 23.24 | -3.01 | 20.47 | 20.07 | 20.23 |
| EDGE1900 (8PSK) | / | Measured timeslot-averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.810 | Ch.661 | Ch.512 | | Ch.810 | Ch.661 | Ch.512 |
| 1Tx-slot | 27.5 | 26.23 | 25.97 | 25.88 | -9.03 | 17.20 | 16.94 | 16.85 |
| 2Tx-slots | 24.5 | 22.72 | 22.56 | 22.54 | -6.02 | 16.70 | 16.54 | 16.52 |
| 3Tx-slots | 23.5 | 22.11 | 21.98 | 21.87 | -4.26 | 17.85 | 17.72 | 17.61 |
| 4Tx-slots | 22.5 | 21.03 | 20.79 | 20.72 | -3.01 | 18.02 | 17.78 | 17.71 |
| **Ant.0 - Power Level B1/B2** | | | | | | | | |
| GSM1900 Speech | Tune up | Measured Power (dBm) | | | / | | | |
| | | Ch.810 | Ch.661 | Ch.512 | | | | |
| 1Tx slot | 28.5 | 28.28 | 28.15 | 28.36 | | | | |
| GPRS1900/ EDGE1900 (GMSK) | / | Measured timeslot-averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.810 | Ch.661 | Ch.512 | | Ch.810 | Ch.661 | Ch.512 |
| 1Tx-slot | 28.5 | 28.22 | 27.80 | 27.91 | -9.03 | 19.19 | 18.77 | 18.88 |
| 2Tx-slots | 25.0 | 24.96 | 24.46 | 24.64 | -6.02 | 18.94 | 18.44 | 18.62 |
| 3Tx-slots | 24.0 | 23.60 | 23.14 | 23.32 | -4.26 | 19.34 | 18.88 | 19.06 |
| 4Tx-slots | 23.0 | 22.57 | **22.10** | 22.31 | -3.01 | **19.56** | **19.09** | **19.30** |
| EDGE1900 (8PSK) | / | Measured timeslot-averaged output Power (dBm) | | | calculation | Source-based time-Averaged output Power (dBm) | | |
| | | Ch.810 | Ch.661 | Ch.512 | | Ch.810 | Ch.661 | Ch.512 |
| 1Tx-slot | 25.5 | 24.22 | 24.00 | 24.06 | -9.03 | 15.19 | 14.97 | 15.03 |
| 2Tx-slots | 22.5 | 21.64 | 21.39 | 21.45 | -6.02 | 15.62 | 15.37 | 15.43 |
| 3Tx-slots | 21.5 | 20.88 | 20.63 | 20.65 | -4.26 | 16.62 | 16.37 | 16.39 |
| 4Tx-slots | 20.5 | 19.61 | 19.39 | 19.50 | -3.01 | 16.60 | 16.38 | 16.49 |

## 10.2. WCDMA Measurement result

**Table 10.4: The conducted power measurement results WCDMA**

| Ant.1 - Power Level A1/A2 | | | | | |
|---|---|---|---|---|---|
| Item | Band | WCDMA Band 2 Result | | | |
| | ARFCN | Tune up | Ch.9538 (1907.6MHz) | Ch.9400 (1880MHz) | Ch.9262 (1852.4MHz) |
| WCDMA | 12.2kbps RMC | 17.0 | **15.99** | **16.11** | **16.08** |
| HSUPA | 1 | 13.5 | 12.18 | 12.21 | 12.19 |
| | 2 | 13.5 | 12.16 | 12.21 | 12.18 |
| | 3 | 14.0 | 13.17 | 13.20 | 13.16 |
| | 4 | 12.5 | 11.16 | 11.21 | 11.16 |
| | 5 | 15.0 | 13.17 | 13.19 | 13.18 |
| HSDPA | 1 | 16.0 | 15.11 | 15.23 | 15.20 |
| | 2 | 16.0 | 15.11 | 15.23 | 15.13 |
| | 3 | 15.5 | 14.10 | 14.21 | 14.12 |
| | 4 | 15.5 | 14.08 | 14.21 | 14.10 |
| Ant.1 - Power Level B1 | | | | | |
| Item | Band | WCDMA Band 2 Result | | | |
| | ARFCN | Tune up | Ch.9538 (1907.6MHz) | Ch.9400 (1880MHz) | Ch.9262 (1852.4MHz) |
| WCDMA | 12.2kbps RMC | 18.0 | 16.82 | **16.88** | 16.87 |
| HSUPA | 1 | 14.5 | 13.33 | 13.38 | 13.38 |
| | 2 | 14.5 | 13.32 | 13.38 | 13.34 |
| | 3 | 15.0 | 13.80 | 13.86 | 13.84 |
| | 4 | 13.5 | 12.83 | 12.87 | 12.83 |
| | 5 | 16.0 | 14.80 | 14.88 | 14.88 |
| HSDPA | 1 | 17.0 | 15.86 | 15.92 | 15.90 |
| | 2 | 17.0 | 15.86 | 15.91 | 15.86 |
| | 3 | 16.5 | 15.43 | 15.51 | 15.49 |
| | 4 | 16.5 | 15.45 | 15.50 | 15.47 |

| Ant.1 - Power Level B2 | | | | | |
|---|---|---|---|---|---|
| Item | Band | WCDMA Band 2 Result | | | |
| | ARFCN | Tune up | Ch.9538 (1907.6MHz) | Ch.9400 (1880MHz) | Ch.9262 (1852.4MHz) |
| WCDMA | 12.2kbps RMC | 16.0 | 14.90 | **14.91** | 14.87 |
| HSUPA | 1 | 12.5 | 10.67 | 10.71 | 10.69 |
| | 2 | 12.5 | 10.65 | 10.70 | 10.65 |
| | 3 | 13.0 | 11.18 | 11.21 | 11.15 |
| | 4 | 11.5 | 9.86 | 9.88 | 9.86 |
| | 5 | 14.0 | 13.67 | 13.67 | 13.70 |
| HSDPA | 1 | 15.0 | 13.09 | 13.12 | 13.09 |
| | 2 | 15.0 | 13.10 | 13.11 | 13.10 |
| | 3 | 14.5 | 12.59 | 12.61 | 12.61 |
| | 4 | 14.5 | 12.60 | 12.61 | 12.61 |

| Ant.0 - Power Level A1/A2 | | | | | |
|---|---|---|---|---|---|
| Item | Band | WCDMA Band 2 Result | | | |
| | ARFCN | Tune up | Ch.9538 (1907.6MHz) | Ch.9400 (1880MHz) | Ch.9262 (1852.4MHz) |
| WCDMA | 12.2kbps RMC | 24.0 | 22.11 | **22.34** | 22.38 |
| HSUPA | 1 | 20.5 | 20.15 | 20.36 | 20.21 |
| | 2 | 20.5 | 20.15 | 20.36 | 20.14 |
| | 3 | 21.0 | 20.14 | 20.39 | 20.14 |
| | 4 | 19.5 | 19.13 | 19.38 | 19.16 |
| | 5 | 22.0 | 21.13 | 21.37 | 21.41 |
| HSDPA | 1 | 23.0 | 22.10 | 22.37 | 22.41 |
| | 2 | 23.0 | 22.11 | 22.39 | 22.11 |
| | 3 | 22.5 | 22.09 | 22.37 | 22.11 |
| | 4 | 22.5 | 22.11 | 22.38 | 22.12 |
| Ant.0 - Power Level B1 | | | | | |
| Item | Band | WCDMA Band 2 Result | | | |
| | ARFCN | Tune up | Ch.9538 (1907.6MHz) | Ch.9400 (1880MHz) | Ch.9262 (1852.4MHz) |
| WCDMA | 12.2kbps RMC | 22.0 | 20.21 | **20.48** | 20.39 |
| HSUPA | 1 | 18.5 | 18.29 | 18.49 | 18.38 |
| | 2 | 18.5 | 18.18 | 18.31 | 18.19 |
| | 3 | 19.0 | 18.21 | 18.51 | 18.21 |
| | 4 | 17.5 | 16.72 | 17.02 | 16.69 |
| | 5 | 20.0 | 19.47 | 19.48 | 19.44 |
| HSDPA | 1 | 21.0 | 20.24 | 20.48 | 20.43 |
| | 2 | 21.0 | 20.19 | 20.47 | 20.25 |
| | 3 | 20.5 | 20.22 | 20.49 | 20.22 |
| | 4 | 20.5 | 20.22 | 20.46 | 20.23 |

| Ant.0 - Power Level B2 | | | | | |
|---|---|---|---|---|---|
| Item | Band | WCDMA Band 2 Result | | | |
| | ARFCN | Tune up | Ch.9538 (1907.6MHz) | Ch.9400 (1880MHz) | Ch.9262 (1852.4MHz) |
| WCDMA | 12.2kbps RMC | 21.0 | 19.31 | **19.64** | 19.55 |
| HSUPA | 1 | 17.5 | 16.68 | 16.97 | 16.92 |
| | 2 | 17.5 | 16.67 | 16.98 | 16.67 |
| | 3 | 18.0 | 16.66 | 16.96 | 16.67 |
| | 4 | 16.5 | 15.68 | 15.97 | 15.69 |
| | 5 | 19.0 | 18.65 | 18.96 | 18.94 |
| HSDPA | 1 | 20.0 | 18.74 | 19.02 | 18.98 |
| | 2 | 20.0 | 18.73 | 19.01 | 18.74 |
| | 3 | 19.5 | 18.73 | 19.01 | 18.73 |
| | 4 | 19.5 | 18.72 | 19.02 | 18.72 |

| Ant.1 - Power Level A1/A2 | | | | | |
|---|---|---|---|---|---|
| Item | Band | WCDMA Band 4 Result | | | |
| | ARFCN | Tune up | Ch.1513 (1752.6MHz) | Ch.1413 (1732.6MHz) | Ch.1312 (1712.4MHz) |
| WCDMA | 12.2kbps RMC | 18.0 | **16.19** | **16.08** | **16.25** |
| HSUPA | 1 | 14.5 | 13.27 | 13.16 | 13.40 |
| | 2 | 14.5 | 13.27 | 13.18 | 13.29 |
| | 3 | 15.0 | 13.29 | 13.20 | 13.28 |
| | 4 | 13.5 | 12.29 | 12.19 | 12.27 |
| | 5 | 16.0 | 14.29 | 14.20 | 14.35 |
| HSDPA | 1 | 17.0 | 15.19 | 15.10 | 15.31 |
| | 2 | 17.0 | 15.18 | 15.10 | 15.21 |
| | 3 | 16.5 | 15.19 | 15.06 | 15.20 |
| | 4 | 16.5 | 15.18 | 15.07 | 15.20 |
| Ant.1 - Power Level B1 | | | | | |
| Item | Band | WCDMA Band 4 Result | | | |
| | ARFCN | Tune up | Ch.1513 (1752.6MHz) | Ch.1413 (1732.6MHz) | Ch.1312 (1712.4MHz) |
| WCDMA | 12.2kbps RMC | 17.0 | 15.14 | **15.05** | 15.27 |
| HSUPA | 1 | 13.5 | 13.21 | 13.11 | 13.29 |
| | 2 | 13.5 | 13.21 | 13.12 | 13.21 |
| | 3 | 14.0 | 13.20 | 13.13 | 13.21 |
| | 4 | 12.5 | 11.60 | 11.51 | 11.69 |
| | 5 | 15.0 | 13.20 | 13.11 | 13.29 |
| HSDPA | 1 | 16.0 | 14.18 | 14.09 | 14.29 |
| | 2 | 16.0 | 14.20 | 14.10 | 14.19 |
| | 3 | 15.5 | 14.19 | 14.11 | 14.18 |
| | 4 | 15.5 | 14.17 | 14.09 | 14.19 |

| Ant.1 - Power Level B2 | | | | | |
|---|---|---|---|---|---|
| Item | Band | WCDMA Band 4 Result | | | |
| | ARFCN | Tune up | Ch.1513 (1752.6MHz) | Ch.1413 (1732.6MHz) | Ch.1312 (1712.4MHz) |
| WCDMA | 12.2kbps RMC | 16.0 | 14.17 | **14.09** | 14.23 |
| HSUPA | 1 | 12.5 | 10.75 | 10.65 | 10.86 |
| | 2 | 12.5 | 10.74 | 10.64 | 10.73 |
| | 3 | 13.0 | 11.19 | 11.09 | 11.18 |
| | 4 | 11.5 | 9.74 | 9.65 | 9.73 |
| | 5 | 14.0 | 12.24 | 12.16 | 12.32 |
| HSDPA | 1 | 15.0 | 13.19 | 13.11 | 13.30 |
| | 2 | 15.0 | 13.22 | 13.15 | 13.20 |
| | 3 | 14.5 | 12.69 | 12.61 | 12.70 |
| | 4 | 14.5 | 12.68 | 12.61 | 12.69 |

| Ant.0 - Power Level A1/A2 | | | | | |
|---|---|---|---|---|---|
| Item | Band | WCDMA Band 4 Result | | | |
| | ARFCN | Tune up | Ch.1513 (1752.6MHz) | Ch.1413 (1732.6MHz) | Ch.1312 (1712.4MHz) |
| WCDMA | 12.2kbps RMC | 24.0 | 22.63 | **22.56** | 22.63 |
| HSUPA | 1 | 20.5 | 19.64 | 19.55 | 19.70 |
| | 2 | 20.5 | 19.65 | 19.57 | 19.64 |
| | 3 | 21.0 | 20.64 | 20.56 | 20.64 |
| | 4 | 19.5 | 18.65 | 18.54 | 18.64 |
| | 5 | 22.0 | 21.66 | 21.56 | 21.67 |
| HSDPA | 1 | 23.0 | 22.67 | 22.57 | 22.69 |
| | 2 | 23.0 | 22.67 | 22.59 | 22.67 |
| | 3 | 22.5 | 21.65 | 21.58 | 21.69 |
| | 4 | 22.5 | 21.64 | 21.57 | 21.67 |
| Ant.0 - Power Level B1/B2 | | | | | |
| Item | Band | WCDMA Band 4 Result | | | |
| | ARFCN | Tune up | Ch.1513 (1752.6MHz) | Ch.1413 (1732.6MHz) | Ch.1312 (1712.4MHz) |
| WCDMA | 12.2kbps RMC | 21.0 | 19.73 | **19.64** | 19.70 |
| HSUPA | 1 | 17.5 | 16.74 | 16.67 | 16.79 |
| | 2 | 17.5 | 16.74 | 16.66 | 16.76 |
| | 3 | 18.0 | 17.74 | 17.66 | 17.74 |
| | 4 | 16.5 | 15.76 | 15.66 | 15.75 |
| | 5 | 19.0 | 17.28 | 17.68 | 17.79 |
| HSDPA | 1 | 20.0 | 18.77 | 18.68 | 18.74 |
| | 2 | 20.0 | 18.73 | 18.65 | 18.76 |
| | 3 | 19.5 | 18.74 | 18.68 | 18.76 |
| | 4 | 19.5 | 18.73 | 18.66 | 18.76 |

| Ant.1 - Power Level A1/A2 | | | | | |
|---|---|---|---|---|---|
| Item | Band | WCDMA Band 5 Result | | | |
| | ARFCN | Tune up | Ch.4233 (846.6MHz) | Ch.4183 (836.6MHz) | Ch.4132 (826.4MHz) |
| WCDMA | 12.2kbps RMC | 22.0 | 20.53 | **20.43** | 20.54 |
| HSUPA | 1 | 18.0 | 16.77 | 16.66 | 16.81 |
| | 2 | 18.0 | 16.76 | 16.67 | 16.78 |
| | 3 | 18.5 | 16.77 | 16.67 | 16.79 |
| | 4 | 17.0 | 16.78 | 16.66 | 16.78 |
| | 5 | 19.5 | 18.77 | 18.66 | 18.71 |
| HSDPA | 1 | 20.5 | 18.74 | 18.66 | 18.70 |
| | 2 | 20.5 | 18.74 | 18.65 | 18.74 |
| | 3 | 20.0 | 18.73 | 18.62 | 18.74 |
| | 4 | 20.0 | 18.24 | 18.60 | 18.73 |
| Ant.1 - Power Level B1 | | | | | |
| Item | Band | WCDMA Band 5 Result | | | |
| | ARFCN | Tune up | Ch.4233 (846.6MHz) | Ch.4183 (836.6MHz) | Ch.4132 (826.4MHz) |
| WCDMA | 12.2kbps RMC | 23.5 | 21.89 | **21.83** | 21.97 |
| HSUPA | 1 | 19.5 | 18.03 | 18.11 | 18.03 |
| | 2 | 19.5 | 18.04 | 17.91 | 18.04 |
| | 3 | 20.0 | 18.31 | 18.22 | 18.29 |
| | 4 | 18.5 | 16.52 | 16.62 | 16.52 |
| | 5 | 21.0 | 20.41 | 20.40 | 20.41 |
| HSDPA | 1 | 22.0 | 20.91 | 20.89 | 20.96 |
| | 2 | 22.0 | 20.97 | 20.86 | 20.96 |
| | 3 | 21.5 | 19.97 | 19.87 | 19.94 |
| | 4 | 21.5 | 19.96 | 19.88 | 19.95 |

| Ant.1 - Power Level B2 | | | | | |
|---|---|---|---|---|---|
| Item | Band | WCDMA Band 5 Result | | | |
| | ARFCN | Tune up | Ch.4233 (846.6MHz) | Ch.4183 (836.6MHz) | Ch.4132 (826.4MHz) |
| WCDMA | 12.2kbps RMC | 22.5 | 20.92 | **20.76** | 20.83 |
| HSUPA | 1 | 18.5 | 17.38 | 16.75 | 16.91 |
| | 2 | 18.5 | 16.91 | 16.78 | 16.91 |
| | 3 | 19.0 | 17.50 | 17.36 | 17.50 |
| | 4 | 17.5 | 16.94 | 16.78 | 16.91 |
| | 5 | 20.0 | 18.80 | 18.72 | 18.88 |
| HSDPA | 1 | 21.0 | 19.76 | 19.67 | 19.84 |
| | 2 | 21.0 | 19.84 | 19.68 | 19.83 |
| | 3 | 20.5 | 18.83 | 18.67 | 18.84 |
| | 4 | 20.5 | 18.84 | 18.69 | 18.84 |

| Ant.0 - Power Level A1/A2 | | | | | |
|---|---|---|---|---|---|
| Item | Band | WCDMA Band 5 Result | | | |
| | ARFCN | Tune up | Ch.4233 (846.6MHz) | Ch.4183 (836.6MHz) | Ch.4132 (826.4MHz) |
| WCDMA | 12.2kbps RMC | 24.5 | 23.42 | **23.37** | 23.51 |
| HSUPA | 1 | 20.5 | 19.43 | 19.43 | 20.06 |
| | 2 | 20.5 | 19.43 | 19.41 | 19.43 |
| | 3 | 21.0 | 19.91 | 19.93 | 19.92 |
| | 4 | 19.5 | 18.11 | 18.13 | 18.12 |
| | 5 | 22.0 | 20.90 | 20.90 | 20.99 |
| HSDPA | 1 | 23.0 | 21.89 | 21.91 | 22.02 |
| | 2 | 23.0 | 21.89 | 21.88 | 21.90 |
| | 3 | 22.5 | 21.39 | 21.38 | 21.39 |
| | 4 | 22.5 | 21.42 | 21.39 | 21.44 |
| Ant.0 - Power Level B1/B2 | | | | | |
| Item | Band | WCDMA Band 5 Result | | | |
| | ARFCN | Tune up | Ch.4233 (846.6MHz) | Ch.4183 (836.6MHz) | Ch.4132 (826.4MHz) |
| WCDMA | 12.2kbps RMC | 23.5 | 22.48 | **22.42** | 22.49 |
| HSUPA | 1 | 19.5 | 18.53 | 18.49 | 19.19 |
| | 2 | 19.5 | 18.53 | 18.52 | 18.55 |
| | 3 | 20.0 | 18.55 | 18.48 | 18.54 |
| | 4 | 18.5 | 17.54 | 17.49 | 17.55 |
| | 5 | 21.0 | 20.49 | 20.36 | 20.52 |
| HSDPA | 1 | 22.0 | 20.98 | 20.96 | 21.13 |
| | 2 | 22.0 | 20.99 | 20.95 | 20.99 |
| | 3 | 21.5 | 20.50 | 20.46 | 20.47 |
| | 4 | 21.5 | 20.48 | 20.44 | 20.49 |

### 10.3. LTE Measurement result

**Table 10.5: The conducted Power for LTE**

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 1909.3 | 14.69 | 15.29 | 14.91 | 15.5 | 15.5 | 15.5 |
| | | 1880.0 | 15.08 | 15.32 | 14.92 | | | |
| | | 1850.7 | 14.90 | 15.02 | 14.81 | | | |
| | 1RB_3 | 1909.3 | 15.34 | 15.45 | 15.01 | | | |
| | | 1880.0 | 15.47 | 15.38 | 15.33 | | | |
| | | 1850.7 | 15.30 | 15.38 | 15.29 | | | |
| | 1RB_0 | 1909.3 | 14.98 | 15.24 | 15.13 | | | |
| | | 1880.0 | 14.87 | 15.38 | 15.00 | | | |
| | | 1850.7 | 15.06 | 15.11 | 14.93 | | | |
| | 3RB_3 | 1909.3 | 15.01 | 15.14 | 14.75 | | | |
| | | 1880.0 | 15.07 | 15.04 | 14.96 | | | |
| | | 1850.7 | 14.87 | 15.24 | 14.98 | | | |
| | 3RB_1 | 1909.3 | 15.46 | 15.35 | 15.25 | | | |
| | | 1880.0 | 15.46 | 15.43 | 15.30 | | | |
| | | 1850.7 | 15.15 | 15.48 | 15.38 | | | |
| | 3RB_0 | 1909.3 | 15.05 | 15.29 | 15.25 | | | |
| | | 1880.0 | 15.15 | 15.05 | 15.19 | | | |
| | | 1850.7 | 14.67 | 15.21 | 15.13 | | | |
| | 6RB_0 | 1909.3 | 15.15 | 15.16 | 15.04 | 15.5 | 15.5 | 15.5 |
| | | 1880.0 | 15.34 | 15.19 | 15.46 | | | |
| | | 1850.7 | 15.01 | 15.01 | 15.23 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 1908.5 | 15.09 | 15.08 | 14.56 | 15.5 | 15.5 | 15.5 |
| | | 1880.0 | 15.22 | 15.15 | 14.78 | | | |
| | | 1851.5 | 14.90 | 15.23 | 14.82 | | | |
| | 1RB_7 | 1908.5 | 15.29 | 15.22 | 15.30 | | | |
| | | 1880.0 | 15.44 | 15.45 | 15.41 | | | |
| | | 1851.5 | 15.23 | 15.48 | 15.30 | | | |
| | 1RB_0 | 1908.5 | 14.92 | 15.38 | 15.02 | | | |
| | | 1880.0 | 15.15 | 15.29 | 15.38 | | | |
| | | 1851.5 | 14.82 | 14.96 | 15.25 | | | |
| | 8RB_7 | 1908.5 | 15.45 | 15.17 | 15.14 | 15.5 | 15.5 | 15.5 |
| | | 1880.0 | 15.26 | 15.43 | 15.31 | | | |
| | | 1851.5 | 15.02 | 15.34 | 15.32 | | | |
| | 8RB_4 | 1908.5 | 15.40 | 15.02 | 15.22 | | | |
| | | 1880.0 | 15.41 | 15.39 | 15.47 | | | |
| | | 1851.5 | 15.27 | 15.22 | 15.21 | | | |
| | 8RB_0 | 1908.5 | 15.46 | 15.37 | 15.28 | | | |
| | | 1880.0 | 15.43 | 15.35 | 15.45 | | | |
| | | 1851.5 | 14.90 | 14.95 | 15.31 | | | |
| | 15RB_0 | 1908.5 | 15.44 | 15.05 | 14.91 | | | |
| | | 1880.0 | 15.33 | 15.13 | 15.39 | | | |
| | | 1851.5 | 15.48 | 14.96 | 15.07 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 1907.5 | 14.70 | 15.30 | 14.85 | 15.5 | 15.5 | 15.5 |
| | | 1880.0 | 14.89 | 15.29 | 15.21 | | | |
| | | 1852.5 | 14.94 | 15.29 | 14.99 | | | |
| | 1RB_12 | 1907.5 | 15.16 | 15.45 | 15.30 | | | |
| | | 1880.0 | 15.33 | 15.39 | 15.38 | | | |
| | | 1852.5 | 15.18 | 15.35 | 15.27 | | | |
| | 1RB_0 | 1907.5 | 14.93 | 15.29 | 15.21 | | | |
| | | 1880.0 | 15.15 | 15.41 | 14.87 | | | |
| | | 1852.5 | 14.99 | 15.26 | 15.05 | | | |
| | 12RB_13 | 1907.5 | 15.23 | 15.08 | 15.15 | 15.5 | 15.5 | 15.5 |
| | | 1880.0 | 15.42 | 15.40 | 15.17 | | | |
| | | 1852.5 | 15.31 | 15.10 | 15.04 | | | |
| | 12RB_6 | 1907.5 | 15.36 | 15.30 | 15.30 | | | |
| | | 1880.0 | 15.47 | 15.28 | 15.33 | | | |
| | | 1852.5 | 15.27 | 15.28 | 15.15 | | | |
| | 12RB_0 | 1907.5 | 15.32 | 15.19 | 15.10 | | | |
| | | 1880.0 | 15.45 | 15.50 | 15.30 | | | |
| | | 1852.5 | 15.10 | 15.35 | 15.01 | | | |
| | 25RB_0 | 1907.5 | 15.42 | 14.99 | 15.36 | | | |
| | | 1880.0 | 15.44 | 15.46 | 15.48 | | | |
| | | 1852.5 | 15.07 | 15.06 | 15.06 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 1905.0 | 14.89 | 15.26 | 14.95 | 15.5 | 15.5 | 15.5 |
| | | 1880.0 | 14.92 | 15.05 | 15.14 | | | |
| | | 1855.0 | 14.72 | 15.04 | 14.86 | | | |
| | 1RB_24 | 1905.0 | 15.18 | 15.40 | 15.18 | | | |
| | | 1880.0 | 15.40 | 15.34 | 15.50 | | | |
| | | 1855.0 | 15.09 | 15.26 | 15.35 | | | |
| | 1RB_0 | 1905.0 | 15.23 | 15.38 | 15.23 | | | |
| | | 1880.0 | 14.93 | 15.38 | 15.06 | | | |
| | | 1855.0 | 15.01 | 15.13 | 15.09 | | | |
| | 25RB_25 | 1905.0 | 15.15 | 15.18 | 15.21 | 15.5 | 15.5 | 15.5 |
| | | 1880.0 | 15.44 | 15.32 | 15.47 | | | |
| | | 1855.0 | 15.31 | 15.13 | 15.42 | | | |
| | 25RB_12 | 1905.0 | 15.45 | 15.37 | 15.39 | | | |
| | | 1880.0 | 15.23 | 15.41 | 15.30 | | | |
| | | 1855.0 | 15.40 | 15.12 | 15.00 | | | |
| | 25RB_0 | 1905.0 | 15.37 | 15.33 | 15.18 | | | |
| | | 1880.0 | 15.23 | 15.18 | 15.40 | | | |
| | | 1855.0 | 15.18 | 15.30 | 15.07 | | | |
| | 50RB_0 | 1905.0 | 15.23 | 15.08 | 14.97 | | | |
| | | 1880.0 | 15.23 | 15.17 | 15.22 | | | |
| | | 1855.0 | 14.98 | 15.29 | 15.09 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 1902.5 | 15.07 | 15.24 | 14.69 | 15.5 | 15.5 | 15.5 |
| | | 1880.0 | 15.07 | 15.35 | 14.89 | | | |
| | | 1857.5 | 15.07 | 15.32 | 14.83 | | | |
| | 1RB_37 | 1902.5 | 15.27 | 15.33 | 15.12 | | | |
| | | 1880.0 | 15.36 | 15.42 | 15.35 | | | |
| | | 1857.5 | 15.26 | 15.29 | 15.45 | | | |
| | 1RB_0 | 1902.5 | 14.89 | 15.49 | 15.09 | | | |
| | | 1880.0 | 15.07 | 15.25 | 15.21 | | | |
| | | 1857.5 | 14.71 | 14.99 | 15.19 | | | |
| | 36RB_38 | 1902.5 | 15.34 | 15.15 | 15.14 | 15.5 | 15.5 | 15.5 |
| | | 1880.0 | 15.32 | 15.31 | 15.46 | | | |
| | | 1857.5 | 15.06 | 15.28 | 15.44 | | | |
| | 36RB_19 | 1902.5 | 15.31 | 15.22 | 15.14 | | | |
| | | 1880.0 | 15.38 | 15.23 | 15.32 | | | |
| | | 1857.5 | 15.41 | 15.20 | 15.04 | | | |
| | 36RB_0 | 1902.5 | 15.30 | 15.48 | 15.17 | | | |
| | | 1880.0 | 15.33 | 15.44 | 15.46 | | | |
| | | 1857.5 | 15.06 | 15.02 | 15.23 | | | |
| | 75RB_0 | 1902.5 | 15.42 | 15.17 | 14.97 | | | |
| | | 1880.0 | 15.22 | 15.19 | 15.41 | | | |
| | | 1857.5 | 15.35 | 15.07 | 15.04 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 1900.0 | 14.88 | 15.18 | 14.81 | 15.5 | 15.5 | 15.5 |
| | | 1880.0 | 15.01 | 15.19 | 15.09 | | | |
| | | 1860.0 | 14.89 | 15.15 | 15.01 | | | |
| | 1RB_50 | 1900.0 | 15.36 | 15.41 | 15.20 | | | |
| | | 1880.0 | **15.48** | 15.33 | 15.45 | | | |
| | | 1860.0 | 15.17 | 15.46 | 15.40 | | | |
| | 1RB_0 | 1900.0 | 15.09 | 15.29 | 15.07 | | | |
| | | 1880.0 | 15.00 | 15.23 | 15.02 | | | |
| | | 1860.0 | 14.87 | 15.16 | 15.04 | | | |
| | 50RB_50 | 1900.0 | 15.18 | 15.19 | 15.13 | 15.5 | 15.5 | 15.5 |
| | | 1880.0 | 15.38 | 15.36 | 15.37 | | | |
| | | 1860.0 | 15.23 | 15.25 | 15.24 | | | |
| | 50RB_25 | 1900.0 | 15.31 | 15.29 | 15.23 | | | |
| | | 1880.0 | **15.41** | 15.39 | 15.44 | | | |
| | | 1860.0 | 15.21 | 15.20 | 15.16 | | | |
| | 50RB_0 | 1900.0 | 15.30 | 15.30 | 15.28 | | | |
| | | 1880.0 | 15.36 | 15.35 | 15.32 | | | |
| | | 1860.0 | 15.11 | 15.18 | 15.13 | | | |
| | 100RB_0 | 1900.0 | 15.24 | 15.19 | 15.17 | | | |
| | | 1880.0 | 15.33 | 15.31 | 15.32 | | | |
| | | 1860.0 | 15.18 | 15.16 | 15.16 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 1909.3 | 16.51 | 16.94 | 16.89 | 17.5 | 17.5 | 17.5 |
| | | 1880.0 | 16.76 | 16.85 | 16.93 | | | |
| | | 1850.7 | 16.43 | 17.03 | 16.67 | | | |
| | 1RB_3 | 1909.3 | 17.04 | 17.43 | 17.19 | | | |
| | | 1880.0 | 16.95 | 17.44 | 17.43 | | | |
| | | 1850.7 | 16.90 | 17.34 | 16.87 | | | |
| | 1RB_0 | 1909.3 | 16.56 | 17.22 | 16.72 | | | |
| | | 1880.0 | 16.81 | 16.86 | 16.84 | | | |
| | | 1850.7 | 16.53 | 16.95 | 16.94 | | | |
| | 3RB_3 | 1909.3 | 16.42 | 16.79 | 16.90 | | | |
| | | 1880.0 | 16.65 | 17.14 | 17.05 | | | |
| | | 1850.7 | 16.38 | 16.87 | 16.83 | | | |
| | 3RB_1 | 1909.3 | 16.98 | 17.17 | 17.16 | | | |
| | | 1880.0 | 17.01 | 17.35 | 17.12 | | | |
| | | 1850.7 | 17.02 | 17.42 | 17.17 | | | |
| | 3RB_0 | 1909.3 | 16.73 | 17.16 | 16.76 | | | |
| | | 1880.0 | 16.83 | 17.07 | 16.69 | | | |
| | | 1850.7 | 16.65 | 17.01 | 16.58 | | | |
| | 6RB_0 | 1909.3 | 16.87 | 16.77 | 16.78 | 17.5 | 17.5 | 17.5 |
| | | 1880.0 | 16.97 | 17.09 | 16.99 | | | |
| | | 1850.7 | 17.12 | 16.74 | 17.05 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 1908.5 | 16.59 | 16.82 | 16.95 | 17.5 | 17.5 | 17.5 |
| | | 1880.0 | 16.73 | 16.74 | 16.81 | | | |
| | | 1851.5 | 16.26 | 17.11 | 16.76 | | | |
| | 1RB_7 | 1908.5 | 16.93 | 17.11 | 17.25 | | | |
| | | 1880.0 | 16.85 | 17.44 | 17.42 | | | |
| | | 1851.5 | 17.00 | 17.06 | 17.06 | | | |
| | 1RB_0 | 1908.5 | 16.41 | 17.16 | 16.82 | | | |
| | | 1880.0 | 16.40 | 16.87 | 16.92 | | | |
| | | 1851.5 | 16.67 | 16.63 | 16.91 | | | |
| | 8RB_7 | 1908.5 | 16.81 | 16.95 | 16.73 | 17.5 | 17.5 | 17.5 |
| | | 1880.0 | 17.26 | 17.16 | 16.79 | | | |
| | | 1851.5 | 16.89 | 17.27 | 16.77 | | | |
| | 8RB_4 | 1908.5 | 17.02 | 16.70 | 17.16 | | | |
| | | 1880.0 | 17.05 | 17.41 | 17.31 | | | |
| | | 1851.5 | 17.09 | 16.93 | 17.09 | | | |
| | 8RB_0 | 1908.5 | 16.94 | 17.11 | 16.71 | | | |
| | | 1880.0 | 16.93 | 17.01 | 17.16 | | | |
| | | 1851.5 | 16.71 | 17.13 | 17.09 | | | |
| | 15RB_0 | 1908.5 | 16.83 | 16.88 | 16.82 | | | |
| | | 1880.0 | 17.16 | 16.93 | 17.27 | | | |
| | | 1851.5 | 16.78 | 16.71 | 16.77 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 1907.5 | 16.52 | 16.82 | 16.73 | 17.5 | 17.5 | 17.5 |
| | | 1880.0 | 16.59 | 16.86 | 16.86 | | | |
| | | 1852.5 | 16.51 | 16.93 | 16.80 | | | |
| | 1RB_12 | 1907.5 | 16.97 | 17.21 | 17.32 | | | |
| | | 1880.0 | 16.97 | 17.28 | 17.23 | | | |
| | | 1852.5 | 16.97 | 17.14 | 16.80 | | | |
| | 1RB_0 | 1907.5 | 16.62 | 16.96 | 17.03 | | | |
| | | 1880.0 | 16.55 | 16.93 | 16.86 | | | |
| | | 1852.5 | 16.56 | 16.82 | 16.90 | | | |
| | 12RB_13 | 1907.5 | 17.04 | 17.07 | 16.91 | 17.5 | 17.5 | 17.5 |
| | | 1880.0 | 17.11 | 17.03 | 17.15 | | | |
| | | 1852.5 | 16.79 | 17.15 | 16.78 | | | |
| | 12RB_6 | 1907.5 | 16.89 | 17.06 | 16.91 | | | |
| | | 1880.0 | 16.96 | 16.92 | 16.89 | | | |
| | | 1852.5 | 17.07 | 16.96 | 16.94 | | | |
| | 12RB_0 | 1907.5 | 16.86 | 17.17 | 16.86 | | | |
| | | 1880.0 | 17.09 | 16.90 | 17.11 | | | |
| | | 1852.5 | 16.81 | 16.76 | 16.74 | | | |
| | 25RB_0 | 1907.5 | 16.99 | 16.85 | 16.78 | | | |
| | | 1880.0 | 17.18 | 17.04 | 16.87 | | | |
| | | 1852.5 | 16.84 | 16.85 | 16.82 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 1905.0 | 16.66 | 17.04 | 16.90 | 17.5 | 17.5 | 17.5 |
| | | 1880.0 | 16.82 | 16.92 | 16.78 | | | |
| | | 1855.0 | 16.40 | 17.02 | 16.85 | | | |
| | 1RB_24 | 1905.0 | 16.96 | 17.32 | 17.01 | | | |
| | | 1880.0 | 17.34 | 17.23 | 17.41 | | | |
| | | 1855.0 | 16.79 | 17.28 | 16.92 | | | |
| | 1RB_0 | 1905.0 | 16.55 | 17.24 | 16.76 | | | |
| | | 1880.0 | 16.60 | 17.02 | 16.89 | | | |
| | | 1855.0 | 16.75 | 16.76 | 16.90 | | | |
| | 25RB_25 | 1905.0 | 17.05 | 16.95 | 17.00 | 17.5 | 17.5 | 17.5 |
| | | 1880.0 | 17.09 | 17.24 | 17.15 | | | |
| | | 1855.0 | 16.81 | 16.82 | 16.97 | | | |
| | 25RB_12 | 1905.0 | 17.04 | 17.03 | 17.02 | | | |
| | | 1880.0 | 17.08 | 17.25 | 16.98 | | | |
| | | 1855.0 | 17.09 | 17.03 | 17.02 | | | |
| | 25RB_0 | 1905.0 | 17.11 | 17.17 | 17.11 | | | |
| | | 1880.0 | 17.09 | 16.91 | 16.97 | | | |
| | | 1855.0 | 17.01 | 16.98 | 17.02 | | | |
| | 50RB_0 | 1905.0 | 16.80 | 16.76 | 16.93 | | | |
| | | 1880.0 | 17.21 | 17.12 | 17.22 | | | |
| | | 1855.0 | 17.10 | 16.75 | 16.92 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 1902.5 | 16.52 | 16.92 | 16.81 | 17.5 | 17.5 | 17.5 |
| | | 1880.0 | 16.90 | 16.84 | 17.01 | | | |
| | | 1857.5 | 16.46 | 17.02 | 16.86 | | | |
| | 1RB_37 | 1902.5 | 16.76 | 17.19 | 17.40 | | | |
| | | 1880.0 | 16.98 | 17.49 | 17.39 | | | |
| | | 1857.5 | 16.80 | 17.18 | 17.07 | | | |
| | 1RB_0 | 1902.5 | 16.57 | 17.16 | 17.00 | | | |
| | | 1880.0 | 16.55 | 17.00 | 16.98 | | | |
| | | 1857.5 | 16.74 | 16.70 | 16.87 | | | |
| | 36RB_38 | 1902.5 | 16.90 | 17.05 | 16.81 | 17.5 | 17.5 | 17.5 |
| | | 1880.0 | 17.16 | 17.00 | 16.94 | | | |
| | | 1857.5 | 17.09 | 17.12 | 16.88 | | | |
| | 36RB_19 | 1902.5 | 16.86 | 16.83 | 17.02 | | | |
| | | 1880.0 | 17.25 | 17.29 | 17.19 | | | |
| | | 1857.5 | 16.95 | 17.10 | 16.92 | | | |
| | 36RB_0 | 1902.5 | 17.04 | 16.93 | 16.87 | | | |
| | | 1880.0 | 17.08 | 17.12 | 17.07 | | | |
| | | 1857.5 | 16.91 | 16.94 | 17.01 | | | |
| | 75RB_0 | 1902.5 | 16.81 | 16.98 | 16.70 | | | |
| | | 1880.0 | 16.98 | 17.06 | 17.24 | | | |
| | | 1857.5 | 16.90 | 16.90 | 16.97 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 1900.0 | 16.58 | 16.92 | 16.86 | 17.5 | 17.5 | 17.5 |
| | | 1880.0 | 16.74 | 16.96 | 16.87 | | | |
| | | 1860.0 | 16.55 | 16.91 | 16.67 | | | |
| | 1RB_50 | 1900.0 | 16.96 | 17.33 | 17.20 | | | |
| | | 1880.0 | **17.15** | 17.34 | 17.31 | | | |
| | | 1860.0 | 16.89 | 17.25 | 16.98 | | | |
| | 1RB_0 | 1900.0 | 16.73 | 17.10 | 16.92 | | | |
| | | 1880.0 | 16.69 | 16.92 | 16.85 | | | |
| | | 1860.0 | 16.55 | 16.89 | 16.74 | | | |
| | 50RB_50 | 1900.0 | 16.91 | 16.88 | 16.83 | 17.5 | 17.5 | 17.5 |
| | | 1880.0 | 17.08 | 17.07 | 17.01 | | | |
| | | 1860.0 | 16.95 | 16.96 | 16.97 | | | |
| | 50RB_25 | 1900.0 | 16.97 | 16.99 | 16.95 | | | |
| | | 1880.0 | **17.11** | 17.12 | 17.07 | | | |
| | | 1860.0 | 16.93 | 16.92 | 16.87 | | | |
| | 50RB_0 | 1900.0 | 17.02 | 17.02 | 16.95 | | | |
| | | 1880.0 | 17.04 | 17.06 | 17.02 | | | |
| | | 1860.0 | 16.83 | 16.87 | 16.82 | | | |
| | 100RB_0 | 1900.0 | 16.95 | 16.90 | 16.87 | | | |
| | | 1880.0 | 17.09 | 17.07 | 17.06 | | | |
| | | 1860.0 | 16.93 | 16.90 | 16.88 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 1909.3 | 14.80 | 15.83 | 15.34 | 16.0 | 16.0 | 16.0 |
| | | 1880.0 | 15.63 | 15.90 | 15.73 | | | |
| | | 1850.7 | 15.36 | 15.67 | 15.56 | | | |
| | 1RB_3 | 1909.3 | 15.85 | 15.95 | 15.74 | | | |
| | | 1880.0 | 15.85 | 15.83 | 15.91 | | | |
| | | 1850.7 | 15.94 | 15.89 | 15.72 | | | |
| | 1RB_0 | 1909.3 | 15.51 | 15.82 | 15.86 | | | |
| | | 1880.0 | 15.57 | 15.81 | 15.51 | | | |
| | | 1850.7 | 15.54 | 15.84 | 15.60 | | | |
| | 3RB_3 | 1909.3 | 15.09 | 15.47 | 15.52 | | | |
| | | 1880.0 | 15.72 | 15.94 | 15.73 | | | |
| | | 1850.7 | 15.56 | 15.42 | 15.72 | | | |
| | 3RB_1 | 1909.3 | 15.91 | 15.86 | 15.92 | | | |
| | | 1880.0 | 15.76 | 15.93 | 15.87 | | | |
| | | 1850.7 | 15.76 | 15.87 | 15.86 | | | |
| | 3RB_0 | 1909.3 | 15.69 | 15.89 | 15.71 | | | |
| | | 1880.0 | 15.32 | 15.94 | 15.42 | | | |
| | | 1850.7 | 15.34 | 15.84 | 15.40 | | | |
| | 6RB_0 | 1909.3 | 15.85 | 15.73 | 15.68 | 16.0 | 16.0 | 16.0 |
| | | 1880.0 | 15.87 | 15.81 | 15.70 | | | |
| | | 1850.7 | 15.72 | 15.58 | 15.55 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 1908.5 | 14.93 | 15.91 | 15.55 | 16.0 | 16.0 | 16.0 |
| | | 1880.0 | 15.52 | 15.83 | 15.65 | | | |
| | | 1851.5 | 15.23 | 15.53 | 15.72 | | | |
| | 1RB_7 | 1908.5 | 15.81 | 15.92 | 15.60 | | | |
| | | 1880.0 | 15.77 | 15.89 | 15.83 | | | |
| | | 1851.5 | 15.74 | 15.55 | 15.97 | | | |
| | 1RB_0 | 1908.5 | 15.54 | 15.97 | 15.70 | | | |
| | | 1880.0 | 15.47 | 15.76 | 15.46 | | | |
| | | 1851.5 | 15.32 | 15.56 | 15.49 | | | |
| | 8RB_7 | 1908.5 | 15.77 | 15.37 | 15.93 | 16.0 | 16.0 | 16.0 |
| | | 1880.0 | 15.90 | 15.69 | 15.73 | | | |
| | | 1851.5 | 15.41 | 15.76 | 15.78 | | | |
| | 8RB_4 | 1908.5 | 15.55 | 15.83 | 15.78 | | | |
| | | 1880.0 | 15.77 | 15.72 | 15.81 | | | |
| | | 1851.5 | 15.47 | 15.85 | 15.89 | | | |
| | 8RB_0 | 1908.5 | 15.87 | 15.74 | 15.86 | | | |
| | | 1880.0 | 15.58 | 15.83 | 15.58 | | | |
| | | 1851.5 | 15.43 | 15.54 | 15.54 | | | |
| | 15RB_0 | 1908.5 | 15.56 | 15.93 | 15.79 | | | |
| | | 1880.0 | 15.85 | 15.68 | 15.84 | | | |
| | | 1851.5 | 15.79 | 15.86 | 15.55 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 1907.5 | 14.96 | 15.47 | 15.49 | 16.0 | 16.0 | 16.0 |
| | | 1880.0 | 15.58 | 15.90 | 15.71 | | | |
| | | 1852.5 | 15.48 | 15.55 | 15.38 | | | |
| | 1RB_12 | 1907.5 | 15.89 | 15.83 | 15.80 | | | |
| | | 1880.0 | 15.96 | 15.93 | 15.86 | | | |
| | | 1852.5 | 15.61 | 15.74 | 15.77 | | | |
| | 1RB_0 | 1907.5 | 15.63 | 15.84 | 15.79 | | | |
| | | 1880.0 | 15.60 | 15.97 | 15.64 | | | |
| | | 1852.5 | 15.38 | 15.70 | 15.46 | | | |
| | 12RB_13 | 1907.5 | 15.53 | 15.86 | 15.62 | 16.0 | 16.0 | 16.0 |
| | | 1880.0 | 15.88 | 15.93 | 15.85 | | | |
| | | 1852.5 | 15.77 | 15.94 | 15.61 | | | |
| | 12RB_6 | 1907.5 | 15.72 | 15.59 | 15.91 | | | |
| | | 1880.0 | 15.89 | 15.73 | 15.95 | | | |
| | | 1852.5 | 15.59 | 15.57 | 15.51 | | | |
| | 12RB_0 | 1907.5 | 15.77 | 15.60 | 15.72 | | | |
| | | 1880.0 | 15.79 | 15.72 | 15.74 | | | |
| | | 1852.5 | 15.56 | 15.76 | 15.52 | | | |
| | 25RB_0 | 1907.5 | 15.67 | 15.70 | 15.61 | | | |
| | | 1880.0 | 15.83 | 15.98 | 15.85 | | | |
| | | 1852.5 | 15.88 | 15.82 | 15.57 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 1905.0 | 15.07 | 15.52 | 15.35 | 16.0 | 16.0 | 16.0 |
| | | 1880.0 | 15.58 | 15.96 | 15.56 | | | |
| | | 1855.0 | 15.47 | 15.42 | 15.63 | | | |
| | 1RB_24 | 1905.0 | 15.72 | 15.72 | 15.73 | | | |
| | | 1880.0 | 15.92 | 15.81 | 15.95 | | | |
| | | 1855.0 | 15.85 | 15.93 | 15.82 | | | |
| | 1RB_0 | 1905.0 | 15.78 | 15.94 | 15.78 | | | |
| | | 1880.0 | 15.67 | 15.88 | 15.61 | | | |
| | | 1855.0 | 15.27 | 15.64 | 15.73 | | | |
| | 25RB_25 | 1905.0 | 15.64 | 15.63 | 15.58 | 16.0 | 16.0 | 16.0 |
| | | 1880.0 | 15.87 | 15.66 | 15.94 | | | |
| | | 1855.0 | 15.81 | 15.71 | 15.89 | | | |
| | 25RB_12 | 1905.0 | 15.89 | 15.62 | 15.55 | | | |
| | | 1880.0 | 15.92 | 15.71 | 15.72 | | | |
| | | 1855.0 | 15.71 | 15.87 | 15.49 | | | |
| | 25RB_0 | 1905.0 | 15.82 | 15.94 | 15.83 | | | |
| | | 1880.0 | 15.88 | 15.92 | 15.66 | | | |
| | | 1855.0 | 15.77 | 15.52 | 15.52 | | | |
| | 50RB_0 | 1905.0 | 15.68 | 15.73 | 15.63 | | | |
| | | 1880.0 | 15.74 | 15.83 | 15.95 | | | |
| | | 1855.0 | 15.73 | 15.57 | 15.70 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 1902.5 | 15.05 | 15.82 | 15.61 | 16.0 | 16.0 | 16.0 |
| | | 1880.0 | 15.50 | 15.94 | 15.58 | | | |
| | | 1857.5 | 15.26 | 15.73 | 15.71 | | | |
| | 1RB_37 | 1902.5 | 15.84 | 15.87 | 15.77 | | | |
| | | 1880.0 | 15.84 | 15.75 | 15.90 | | | |
| | | 1857.5 | 15.80 | 15.75 | 15.98 | | | |
| | 1RB_0 | 1902.5 | 15.52 | 15.89 | 15.75 | | | |
| | | 1880.0 | 15.41 | 15.87 | 15.40 | | | |
| | | 1857.5 | 15.51 | 15.51 | 15.48 | | | |
| | 36RB_38 | 1902.5 | 15.76 | 15.54 | 15.73 | 16.0 | 16.0 | 16.0 |
| | | 1880.0 | 15.91 | 15.83 | 15.88 | | | |
| | | 1857.5 | 15.57 | 15.71 | 15.62 | | | |
| | 36RB_19 | 1902.5 | 15.65 | 15.90 | 15.68 | | | |
| | | 1880.0 | 15.78 | 15.87 | 15.81 | | | |
| | | 1857.5 | 15.66 | 15.78 | 15.83 | | | |
| | 36RB_0 | 1902.5 | 15.82 | 15.87 | 15.71 | | | |
| | | 1880.0 | 15.75 | 15.96 | 15.76 | | | |
| | | 1857.5 | 15.48 | 15.64 | 15.58 | | | |
| | 75RB_0 | 1902.5 | 15.71 | 15.82 | 15.88 | | | |
| | | 1880.0 | 15.68 | 15.74 | 15.72 | | | |
| | | 1857.5 | 15.61 | 15.70 | 15.64 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 1900.0 | 14.89 | 15.64 | 15.53 | 16.0 | 16.0 | 16.0 |
| | | 1880.0 | 15.55 | 15.83 | 15.63 | | | |
| | | 1860.0 | 15.42 | 15.61 | 15.58 | | | |
| | 1RB_50 | 1900.0 | 15.83 | 15.89 | 15.83 | | | |
| | | 1880.0 | **15.96** | 15.77 | 15.84 | | | |
| | | 1860.0 | 15.75 | 15.93 | 15.91 | | | |
| | 1RB_0 | 1900.0 | 15.58 | 15.83 | 15.66 | | | |
| | | 1880.0 | 15.52 | 15.80 | 15.60 | | | |
| | | 1860.0 | 15.45 | 15.66 | 15.56 | | | |
| | 50RB_50 | 1900.0 | 15.68 | 15.67 | 15.61 | 16.0 | 16.0 | 16.0 |
| | | 1880.0 | 15.87 | 15.84 | 15.84 | | | |
| | | 1860.0 | 15.76 | 15.75 | 15.71 | | | |
| | 50RB_25 | 1900.0 | 15.80 | 15.78 | 15.74 | | | |
| | | 1880.0 | **15.93** | 15.91 | 15.90 | | | |
| | | 1860.0 | 15.74 | 15.68 | 15.68 | | | |
| | 50RB_0 | 1900.0 | 15.82 | 15.78 | 15.77 | | | |
| | | 1880.0 | 15.88 | 15.87 | 15.83 | | | |
| | | 1860.0 | 15.66 | 15.65 | 15.61 | | | |
| | 100RB_0 | 1900.0 | 15.75 | 15.72 | 15.71 | | | |
| | | 1880.0 | 15.87 | 15.82 | 15.84 | | | |
| | | 1860.0 | 15.69 | 15.71 | 15.68 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 1909.3 | 22.22 | 21.54 | 20.84 | 23.5 | 22.5 | 21.5 |
| | | 1880.0 | 22.30 | 21.64 | 20.76 | | | |
| | | 1850.7 | 22.22 | 21.34 | 20.60 | | | |
| | 1RB_3 | 1909.3 | 22.46 | 21.72 | 20.73 | | | |
| | | 1880.0 | 22.82 | 21.81 | 20.84 | | | |
| | | 1850.7 | 22.48 | 21.65 | 20.63 | | | |
| | 1RB_0 | 1909.3 | 22.16 | 21.46 | 20.97 | | | |
| | | 1880.0 | 22.32 | 21.69 | 20.65 | | | |
| | | 1850.7 | 22.17 | 21.44 | 20.24 | | | |
| | 3RB_3 | 1909.3 | 21.99 | 21.68 | 20.77 | | | |
| | | 1880.0 | 22.39 | 21.44 | 20.90 | | | |
| | | 1850.7 | 22.21 | 21.35 | 20.66 | | | |
| | 3RB_1 | 1909.3 | 22.52 | 21.99 | 20.92 | | | |
| | | 1880.0 | 22.66 | 21.92 | 20.94 | | | |
| | | 1850.7 | 22.76 | 21.80 | 20.89 | | | |
| | 3RB_0 | 1909.3 | 22.49 | 21.56 | 20.88 | | | |
| | | 1880.0 | 22.32 | 21.57 | 20.82 | | | |
| | | 1850.7 | 22.08 | 21.41 | 20.72 | | | |
| | 6RB_0 | 1909.3 | 21.47 | 20.60 | 19.84 | 22.5 | 21.5 | 20.5 |
| | | 1880.0 | 21.62 | 20.53 | 19.73 | | | |
| | | 1850.7 | 21.62 | 20.40 | 19.83 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 1908.5 | 22.31 | 21.38 | 20.77 | 23.5 | 22.5 | 21.5 |
| | | 1880.0 | 22.25 | 21.57 | 20.69 | | | |
| | | 1851.5 | 22.16 | 21.38 | 20.92 | | | |
| | 1RB_7 | 1908.5 | 22.81 | 21.85 | 20.55 | | | |
| | | 1880.0 | 22.33 | 21.90 | 20.82 | | | |
| | | 1851.5 | 22.69 | 21.77 | 20.98 | | | |
| | 1RB_0 | 1908.5 | 22.25 | 21.70 | 20.88 | | | |
| | | 1880.0 | 22.55 | 21.57 | 20.82 | | | |
| | | 1851.5 | 22.52 | 21.15 | 20.75 | | | |
| | 8RB_7 | 1908.5 | 21.55 | 20.69 | 19.91 | 22.5 | 21.5 | 20.5 |
| | | 1880.0 | 21.30 | 20.83 | 19.96 | | | |
| | | 1851.5 | 21.22 | 20.20 | 19.79 | | | |
| | 8RB_4 | 1908.5 | 21.92 | 20.46 | 19.82 | | | |
| | | 1880.0 | 21.69 | 20.41 | 19.90 | | | |
| | | 1851.5 | 21.58 | 20.14 | 19.77 | | | |
| | 8RB_0 | 1908.5 | 21.42 | 20.86 | 19.96 | | | |
| | | 1880.0 | 21.41 | 20.70 | 19.82 | | | |
| | | 1851.5 | 21.22 | 20.11 | 19.89 | | | |
| | 15RB_0 | 1908.5 | 21.62 | 20.89 | 19.75 | | | |
| | | 1880.0 | 21.76 | 20.53 | 19.75 | | | |
| | | 1851.5 | 21.45 | 20.41 | 19.83 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 1907.5 | 22.31 | 21.53 | 20.64 | 23.5 | 22.5 | 21.5 |
| | | 1880.0 | 22.45 | 21.39 | 20.73 | | | |
| | | 1852.5 | 22.40 | 21.47 | 20.61 | | | |
| | 1RB_12 | 1907.5 | 22.79 | 21.97 | 20.86 | | | |
| | | 1880.0 | 22.87 | 21.86 | 20.77 | | | |
| | | 1852.5 | 22.67 | 21.73 | 20.73 | | | |
| | 1RB_0 | 1907.5 | 22.31 | 21.39 | 20.82 | | | |
| | | 1880.0 | 22.08 | 21.50 | 20.70 | | | |
| | | 1852.5 | 22.43 | 21.44 | 20.66 | | | |
| | 12RB_13 | 1907.5 | 21.33 | 20.32 | 19.82 | 22.5 | 21.5 | 20.5 |
| | | 1880.0 | 21.68 | 20.76 | 19.83 | | | |
| | | 1852.5 | 21.56 | 20.59 | 19.86 | | | |
| | 12RB_6 | 1907.5 | 21.65 | 20.45 | 19.62 | | | |
| | | 1880.0 | 21.62 | 20.45 | 19.70 | | | |
| | | 1852.5 | 21.66 | 20.30 | 19.85 | | | |
| | 12RB_0 | 1907.5 | 21.79 | 20.63 | 19.87 | | | |
| | | 1880.0 | 21.35 | 20.59 | 19.65 | | | |
| | | 1852.5 | 21.25 | 20.35 | 19.20 | | | |
| | 25RB_0 | 1907.5 | 21.62 | 20.49 | 19.74 | | | |
| | | 1880.0 | 21.54 | 20.59 | 19.71 | | | |
| | | 1852.5 | 21.33 | 20.30 | 19.71 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 1905.0 | 22.02 | 21.29 | 20.91 | 23.5 | 22.5 | 21.5 |
| | | 1880.0 | 22.15 | 21.63 | 20.88 | | | |
| | | 1855.0 | 22.30 | 21.41 | 20.73 | | | |
| | 1RB_24 | 1905.0 | 22.69 | 21.78 | 20.82 | | | |
| | | 1880.0 | 22.70 | 21.82 | 20.97 | | | |
| | | 1855.0 | 22.45 | 21.60 | 20.62 | | | |
| | 1RB_0 | 1905.0 | 22.46 | 21.75 | 20.88 | | | |
| | | 1880.0 | 22.21 | 21.49 | 20.81 | | | |
| | | 1855.0 | 22.20 | 21.43 | 20.25 | | | |
| | 25RB_25 | 1905.0 | 21.35 | 20.55 | 19.73 | 22.5 | 21.5 | 20.5 |
| | | 1880.0 | 21.79 | 20.56 | 19.79 | | | |
| | | 1855.0 | 21.33 | 20.52 | 19.75 | | | |
| | 25RB_12 | 1905.0 | 21.58 | 20.48 | 19.82 | | | |
| | | 1880.0 | 21.69 | 20.72 | 19.95 | | | |
| | | 1855.0 | 21.37 | 20.35 | 19.60 | | | |
| | 25RB_0 | 1905.0 | 21.60 | 20.62 | 19.92 | | | |
| | | 1880.0 | 21.59 | 20.56 | 19.89 | | | |
| | | 1855.0 | 21.55 | 20.59 | 19.61 | | | |
| | 50RB_0 | 1905.0 | 21.64 | 20.51 | 18.98 | | | |
| | | 1880.0 | 21.67 | 20.38 | 19.71 | | | |
| | | 1855.0 | 21.39 | 20.51 | 19.73 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 1902.5 | 22.12 | 21.45 | 20.81 | 23.3 | 22.3 | 21.3 |
| | | 1880.0 | 22.36 | 21.40 | 20.93 | | | |
| | | 1857.5 | 22.10 | 21.36 | 20.77 | | | |
| | 1RB_37 | 1902.5 | 22.63 | 21.88 | 20.86 | | | |
| | | 1880.0 | 22.49 | 21.88 | 20.73 | | | |
| | | 1857.5 | 22.72 | 21.87 | 20.78 | | | |
| | 1RB_0 | 1902.5 | 22.21 | 21.75 | 20.84 | | | |
| | | 1880.0 | 22.37 | 21.66 | 20.91 | | | |
| | | 1857.5 | 22.44 | 21.33 | 20.47 | | | |
| | 36RB_38 | 1902.5 | 21.44 | 20.39 | 19.86 | 22.3 | 21.3 | 20.3 |
| | | 1880.0 | 21.49 | 20.84 | 19.83 | | | |
| | | 1857.5 | 21.35 | 20.31 | 19.69 | | | |
| | 36RB_19 | 1902.5 | 21.73 | 20.62 | 19.89 | | | |
| | | 1880.0 | 21.62 | 20.51 | 19.80 | | | |
| | | 1857.5 | 21.63 | 20.32 | 19.89 | | | |
| | 36RB_0 | 1902.5 | 21.92 | 20.79 | 19.89 | | | |
| | | 1880.0 | 21.44 | 20.72 | 19.70 | | | |
| | | 1857.5 | 21.22 | 20.26 | 19.52 | | | |
| | 75RB_0 | 1902.5 | 21.59 | 20.72 | 19.90 | | | |
| | | 1880.0 | 21.57 | 20.44 | 19.66 | | | |
| | | 1857.5 | 21.25 | 20.28 | 19.60 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 1900.0 | 22.15 | 21.49 | 20.95 | 23.3 | 22.3 | 21.3 |
| | | 1880.0 | 22.28 | 21.54 | 20.94 | | | |
| | | 1860.0 | 22.20 | 21.41 | 20.65 | | | |
| | 1RB_50 | 1900.0 | 22.61 | 21.84 | 20.82 | | | |
| | | 1880.0 | **22.67** | 21.93 | 20.83 | | | |
| | | 1860.0 | 22.57 | 21.67 | 20.69 | | | |
| | 1RB_0 | 1900.0 | 22.30 | 21.57 | 20.71 | | | |
| | | 1880.0 | 22.26 | 21.60 | 20.85 | | | |
| | | 1860.0 | 22.28 | 21.51 | 20.35 | | | |
| | 50RB_50 | 1900.0 | 21.47 | 20.46 | 19.96 | 22.3 | 21.3 | 20.3 |
| | | 1880.0 | 21.62 | 20.73 | 19.91 | | | |
| | | 1860.0 | 21.48 | 20.48 | 19.66 | | | |
| | 50RB_25 | 1900.0 | 21.65 | 20.52 | 19.78 | | | |
| | | 1880.0 | 21.73 | 20.61 | 19.87 | | | |
| | | 1860.0 | 21.52 | 20.50 | 19.71 | | | |
| | 50RB_0 | 1900.0 | **21.77** | 20.75 | 19.83 | | | |
| | | 1880.0 | 21.50 | 20.54 | 19.79 | | | |
| | | 1860.0 | 21.38 | 20.44 | 19.26 | | | |
| | 100RB_0 | 1900.0 | 21.62 | 20.62 | 19.82 | | | |
| | | 1880.0 | 21.58 | 20.55 | 19.81 | | | |
| | | 1860.0 | 21.44 | 20.45 | 19.74 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 1909.3 | 20.37 | 21.06 | 20.57 | 21.5 | 21.5 | 21.5 |
| | | 1880.0 | 20.62 | 20.78 | 20.85 | | | |
| | | 1850.7 | 20.46 | 20.30 | 20.45 | | | |
| | 1RB_3 | 1909.3 | 20.86 | 21.03 | 20.86 | | | |
| | | 1880.0 | 20.98 | 21.29 | 20.93 | | | |
| | | 1850.7 | 21.09 | 20.57 | 20.61 | | | |
| | 1RB_0 | 1909.3 | 20.71 | 20.91 | 20.85 | | | |
| | | 1880.0 | 20.53 | 20.99 | 20.53 | | | |
| | | 1850.7 | 20.54 | 20.37 | 20.47 | | | |
| | 3RB_3 | 1909.3 | 20.69 | 20.85 | 20.61 | | | |
| | | 1880.0 | 20.86 | 20.82 | 20.72 | | | |
| | | 1850.7 | 20.72 | 20.35 | 20.22 | | | |
| | 3RB_1 | 1909.3 | 21.21 | 21.33 | 20.83 | | | |
| | | 1880.0 | 21.30 | 21.25 | 20.92 | | | |
| | | 1850.7 | 21.02 | 20.78 | 20.44 | | | |
| | 3RB_0 | 1909.3 | 20.86 | 21.07 | 20.74 | | | |
| | | 1880.0 | 20.73 | 20.90 | 20.49 | | | |
| | | 1850.7 | 20.71 | 20.26 | 20.31 | | | |
| | 6RB_0 | 1909.3 | 20.78 | 20.92 | 19.80 | 21.5 | 21.5 | 20.5 |
| | | 1880.0 | 21.16 | 20.75 | 19.78 | | | |
| | | 1850.7 | 20.95 | 20.39 | 19.82 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 1908.5 | 20.53 | 20.69 | 20.86 | 21.5 | 21.5 | 21.5 |
| | | 1880.0 | 20.44 | 21.16 | 20.84 | | | |
| | | 1851.5 | 20.52 | 20.35 | 20.07 | | | |
| | 1RB_7 | 1908.5 | 21.32 | 21.25 | 20.99 | | | |
| | | 1880.0 | 21.31 | 21.36 | 20.98 | | | |
| | | 1851.5 | 20.91 | 20.59 | 20.76 | | | |
| | 1RB_0 | 1908.5 | 20.67 | 21.17 | 20.90 | | | |
| | | 1880.0 | 20.67 | 21.18 | 20.40 | | | |
| | | 1851.5 | 20.75 | 20.55 | 20.19 | | | |
| | 8RB_7 | 1908.5 | 20.78 | 21.01 | 19.60 | 21.5 | 21.5 | 20.5 |
| | | 1880.0 | 21.02 | 21.01 | 19.72 | | | |
| | | 1851.5 | 20.80 | 20.69 | 19.61 | | | |
| | 8RB_4 | 1908.5 | 20.80 | 20.81 | 19.97 | | | |
| | | 1880.0 | 20.79 | 21.19 | 19.83 | | | |
| | | 1851.5 | 20.83 | 20.38 | 19.92 | | | |
| | 8RB_0 | 1908.5 | 21.09 | 21.09 | 19.95 | | | |
| | | 1880.0 | 20.95 | 20.62 | 19.72 | | | |
| | | 1851.5 | 20.61 | 20.19 | 19.78 | | | |
| | 15RB_0 | 1908.5 | 21.22 | 20.74 | 19.92 | | | |
| | | 1880.0 | 21.01 | 20.77 | 19.97 | | | |
| | | 1851.5 | 20.92 | 20.38 | 19.85 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 1907.5 | 20.59 | 20.84 | 20.53 | 21.5 | 21.5 | 21.5 |
| | | 1880.0 | 20.59 | 21.03 | 20.81 | | | |
| | | 1852.5 | 20.56 | 20.29 | 20.43 | | | |
| | 1RB_12 | 1907.5 | 21.20 | 21.20 | 20.99 | | | |
| | | 1880.0 | 21.03 | 21.31 | 20.93 | | | |
| | | 1852.5 | 20.85 | 20.87 | 20.49 | | | |
| | 1RB_0 | 1907.5 | 20.53 | 21.21 | 20.73 | | | |
| | | 1880.0 | 20.49 | 21.00 | 20.56 | | | |
| | | 1852.5 | 20.63 | 20.52 | 20.27 | | | |
| | 12RB_13 | 1907.5 | 20.78 | 20.80 | 19.87 | 21.5 | 21.5 | 20.5 |
| | | 1880.0 | 20.90 | 21.17 | 19.98 | | | |
| | | 1852.5 | 20.81 | 20.40 | 19.68 | | | |
| | 12RB_6 | 1907.5 | 20.81 | 20.82 | 19.95 | | | |
| | | 1880.0 | 20.96 | 20.96 | 19.68 | | | |
| | | 1852.5 | 20.88 | 20.41 | 19.66 | | | |
| | 12RB_0 | 1907.5 | 20.86 | 21.00 | 19.74 | | | |
| | | 1880.0 | 20.97 | 20.77 | 19.82 | | | |
| | | 1852.5 | 20.48 | 20.11 | 19.75 | | | |
| | 25RB_0 | 1907.5 | 21.00 | 20.84 | 19.78 | | | |
| | | 1880.0 | 21.11 | 20.82 | 19.85 | | | |
| | | 1852.5 | 20.95 | 20.37 | 19.71 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 1905.0 | 20.34 | 20.78 | 20.62 | 21.5 | 21.5 | 21.5 |
| | | 1880.0 | 20.76 | 21.00 | 20.84 | | | |
| | | 1855.0 | 20.45 | 20.45 | 20.29 | | | |
| | 1RB_24 | 1905.0 | 21.17 | 21.25 | 20.86 | | | |
| | | 1880.0 | 21.05 | 21.39 | 20.85 | | | |
| | | 1855.0 | 21.04 | 20.61 | 20.58 | | | |
| | 1RB_0 | 1905.0 | 20.74 | 20.88 | 20.76 | | | |
| | | 1880.0 | 20.80 | 20.74 | 20.38 | | | |
| | | 1855.0 | 20.55 | 20.44 | 20.30 | | | |
| | 25RB_25 | 1905.0 | 20.83 | 20.76 | 19.92 | 21.5 | 21.5 | 20.5 |
| | | 1880.0 | 21.10 | 20.89 | 19.95 | | | |
| | | 1855.0 | 20.69 | 20.31 | 19.65 | | | |
| | 25RB_12 | 1905.0 | 20.99 | 21.00 | 19.82 | | | |
| | | 1880.0 | 21.00 | 20.79 | 19.93 | | | |
| | | 1855.0 | 20.95 | 20.43 | 19.65 | | | |
| | 25RB_0 | 1905.0 | 21.17 | 20.84 | 19.85 | | | |
| | | 1880.0 | 20.78 | 20.64 | 19.94 | | | |
| | | 1855.0 | 20.65 | 20.21 | 19.83 | | | |
| | 50RB_0 | 1905.0 | 20.98 | 21.00 | 19.85 | | | |
| | | 1880.0 | 20.90 | 20.92 | 19.76 | | | |
| | | 1855.0 | 20.75 | 20.54 | 19.77 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 1902.5 | 20.54 | 20.84 | 20.89 | 21.5 | 21.5 | 21.5 |
| | | 1880.0 | 20.53 | 21.09 | 20.96 | | | |
| | | 1857.5 | 20.64 | 20.37 | 20.17 | | | |
| | 1RB_37 | 1902.5 | 21.17 | 21.31 | 20.59 | | | |
| | | 1880.0 | 21.32 | 21.26 | 20.71 | | | |
| | | 1857.5 | 21.10 | 20.70 | 20.60 | | | |
| | 1RB_0 | 1902.5 | 20.55 | 21.19 | 20.92 | | | |
| | | 1880.0 | 20.51 | 21.00 | 20.51 | | | |
| | | 1857.5 | 20.61 | 20.39 | 20.48 | | | |
| | 36RB_38 | 1902.5 | 20.75 | 20.85 | 19.76 | 21.5 | 21.5 | 20.5 |
| | | 1880.0 | 21.13 | 20.81 | 19.95 | | | |
| | | 1857.5 | 20.67 | 20.51 | 19.79 | | | |
| | 36RB_19 | 1902.5 | 21.00 | 20.86 | 19.72 | | | |
| | | 1880.0 | 20.84 | 20.99 | 19.89 | | | |
| | | 1857.5 | 20.66 | 20.38 | 19.73 | | | |
| | 36RB_0 | 1902.5 | 20.91 | 21.08 | 19.81 | | | |
| | | 1880.0 | 20.75 | 20.82 | 19.82 | | | |
| | | 1857.5 | 20.77 | 20.11 | 19.83 | | | |
| | 75RB_0 | 1902.5 | 21.12 | 20.73 | 19.86 | | | |
| | | 1880.0 | 20.88 | 20.90 | 19.78 | | | |
| | | 1857.5 | 20.85 | 20.52 | 19.94 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 2 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 1900.0 | 20.52 | 20.89 | 20.70 | 21.5 | 21.5 | 21.5 |
| | | 1880.0 | 20.73 | 20.95 | 20.78 | | | |
| | | 1860.0 | 20.59 | 20.35 | 20.31 | | | |
| | 1RB_50 | 1900.0 | 21.01 | 21.31 | 20.86 | | | |
| | | 1880.0 | **21.14** | 21.49 | 20.91 | | | |
| | | 1860.0 | 20.93 | 20.75 | 20.63 | | | |
| | 1RB_0 | 1900.0 | 20.71 | 21.04 | 20.88 | | | |
| | | 1880.0 | 20.67 | 20.90 | 20.47 | | | |
| | | 1860.0 | 20.54 | 20.45 | 20.30 | | | |
| | 50RB_50 | 1900.0 | 20.89 | 20.84 | 19.89 | 21.5 | 21.5 | 20.5 |
| | | 1880.0 | **21.06** | 20.97 | 19.75 | | | |
| | | 1860.0 | 20.79 | 20.34 | 19.78 | | | |
| | 50RB_25 | 1900.0 | 20.92 | 20.92 | 19.94 | | | |
| | | 1880.0 | 21.02 | 20.87 | 19.74 | | | |
| | | 1860.0 | 20.83 | 20.37 | 19.82 | | | |
| | 50RB_0 | 1900.0 | 20.99 | 20.97 | 19.95 | | | |
| | | 1880.0 | 20.94 | 20.76 | 19.93 | | | |
| | | 1860.0 | 20.67 | 20.26 | 19.76 | | | |
| | 100RB_0 | 1900.0 | 20.95 | 20.85 | 19.93 | | | |
| | | 1880.0 | 21.02 | 20.84 | 19.97 | | | |
| | | 1860.0 | 20.87 | 20.35 | 19.84 | | | |

| Ant.1 - Power Level A1/A2/B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 1754.3 | 15.39 | 15.69 | 15.66 | 16.5 | 16.5 | 16.5 |
| | | 1732.5 | 15.56 | 15.55 | 15.39 | | | |
| | | 1710.7 | 15.23 | 15.37 | 15.48 | | | |
| | 1RB_3 | 1754.3 | 15.77 | 16.10 | 15.88 | | | |
| | | 1732.5 | 15.64 | 16.02 | 15.60 | | | |
| | | 1710.7 | 15.61 | 15.80 | 15.80 | | | |
| | 1RB_0 | 1754.3 | 15.34 | 15.87 | 15.68 | | | |
| | | 1732.5 | 15.57 | 15.43 | 15.53 | | | |
| | | 1710.7 | 15.54 | 15.49 | 15.45 | | | |
| | 3RB_3 | 1754.3 | 15.35 | 15.58 | 15.66 | | | |
| | | 1732.5 | 15.59 | 15.71 | 15.44 | | | |
| | | 1710.7 | 15.50 | 15.46 | 15.21 | | | |
| | 3RB_1 | 1754.3 | 16.05 | 16.14 | 15.95 | | | |
| | | 1732.5 | 15.83 | 15.78 | 15.74 | | | |
| | | 1710.7 | 15.52 | 16.10 | 15.73 | | | |
| | 3RB_0 | 1754.3 | 15.67 | 15.77 | 15.67 | | | |
| | | 1732.5 | 15.33 | 15.78 | 15.67 | | | |
| | | 1710.7 | 15.57 | 15.65 | 15.63 | | | |
| | 6RB_0 | 1754.3 | 15.83 | 15.81 | 15.93 | 16.5 | 16.5 | 16.5 |
| | | 1732.5 | 15.70 | 15.69 | 15.68 | | | |
| | | 1710.7 | 15.60 | 15.49 | 15.59 | | | |

| Ant.1 - Power Level A1/A2/B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 1753.5 | 15.35 | 15.45 | 15.34 | 16.5 | 16.5 | 16.5 |
| | | 1732.5 | 15.27 | 15.54 | 15.40 | | | |
| | | 1711.5 | 15.24 | 15.32 | 15.48 | | | |
| | 1RB_7 | 1753.5 | 16.15 | 16.07 | 15.94 | | | |
| | | 1732.5 | 15.99 | 15.62 | 15.53 | | | |
| | | 1711.5 | 15.55 | 15.99 | 15.90 | | | |
| | 1RB_0 | 1753.5 | 15.68 | 15.62 | 15.68 | | | |
| | | 1732.5 | 15.56 | 15.69 | 15.50 | | | |
| | | 1711.5 | 15.25 | 15.53 | 15.56 | | | |
| | 8RB_7 | 1753.5 | 15.61 | 15.71 | 15.46 | 16.5 | 16.5 | 16.5 |
| | | 1732.5 | 15.71 | 15.84 | 15.67 | | | |
| | | 1711.5 | 15.42 | 15.38 | 15.74 | | | |
| | 8RB_4 | 1753.5 | 16.12 | 15.80 | 15.81 | | | |
| | | 1732.5 | 15.70 | 15.47 | 15.72 | | | |
| | | 1711.5 | 15.39 | 15.78 | 15.30 | | | |
| | 8RB_0 | 1753.5 | 15.69 | 15.99 | 16.04 | | | |
| | | 1732.5 | 15.85 | 15.71 | 15.83 | | | |
| | | 1711.5 | 15.32 | 15.45 | 15.33 | | | |
| | 15RB_0 | 1753.5 | 15.95 | 15.96 | 15.67 | | | |
| | | 1732.5 | 16.00 | 15.95 | 15.98 | | | |
| | | 1711.5 | 15.80 | 15.20 | 15.42 | | | |

| Ant.1 - Power Level A1/A2/B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 1752.5 | 15.43 | 15.71 | 15.44 | 16.5 | 16.5 | 16.5 |
| | | 1732.5 | 15.45 | 15.60 | 15.47 | | | |
| | | 1712.5 | 15.45 | 15.43 | 15.50 | | | |
| | 1RB_12 | 1752.5 | 16.07 | 16.17 | 16.21 | | | |
| | | 1732.5 | 15.78 | 15.83 | 15.62 | | | |
| | | 1712.5 | 15.86 | 16.11 | 15.71 | | | |
| | 1RB_0 | 1752.5 | 15.59 | 15.64 | 15.43 | | | |
| | | 1732.5 | 15.34 | 15.54 | 15.47 | | | |
| | | 1712.5 | 15.59 | 15.54 | 15.68 | | | |
| | 12RB_13 | 1752.5 | 15.83 | 15.53 | 15.64 | 16.5 | 16.5 | 16.5 |
| | | 1732.5 | 15.46 | 15.71 | 15.47 | | | |
| | | 1712.5 | 15.85 | 15.75 | 15.72 | | | |
| | 12RB_6 | 1752.5 | 15.67 | 15.61 | 15.79 | | | |
| | | 1732.5 | 15.70 | 15.67 | 15.48 | | | |
| | | 1712.5 | 15.70 | 15.67 | 15.54 | | | |
| | 12RB_0 | 1752.5 | 15.76 | 15.79 | 15.83 | | | |
| | | 1732.5 | 15.63 | 15.62 | 15.53 | | | |
| | | 1712.5 | 15.53 | 15.73 | 15.65 | | | |
| | 25RB_0 | 1752.5 | 16.03 | 15.71 | 15.72 | | | |
| | | 1732.5 | 15.59 | 15.66 | 15.56 | | | |
| | | 1712.5 | 15.52 | 15.71 | 15.45 | | | |

| Ant.1 - Power Level A1/A2/B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 1750.0 | 15.58 | 15.66 | 15.58 | 16.5 | 16.5 | 16.5 |
| | | 1732.5 | 15.43 | 15.48 | 15.35 | | | |
| | | 1715.0 | 15.26 | 15.67 | 15.32 | | | |
| | 1RB_24 | 1750.0 | 15.94 | 15.98 | 15.87 | | | |
| | | 1732.5 | 15.92 | 15.89 | 15.74 | | | |
| | | 1715.0 | 15.73 | 16.13 | 15.91 | | | |
| | 1RB_0 | 1750.0 | 15.43 | 15.80 | 15.52 | | | |
| | | 1732.5 | 15.56 | 15.54 | 15.39 | | | |
| | | 1715.0 | 15.32 | 15.72 | 15.56 | | | |
| | 25RB_25 | 1750.0 | 15.73 | 15.74 | 15.56 | 16.5 | 16.5 | 16.5 |
| | | 1732.5 | 15.57 | 15.68 | 15.40 | | | |
| | | 1715.0 | 15.74 | 15.55 | 15.71 | | | |
| | 25RB_12 | 1750.0 | 15.86 | 15.80 | 16.01 | | | |
| | | 1732.5 | 15.71 | 15.70 | 15.72 | | | |
| | | 1715.0 | 15.74 | 15.59 | 15.60 | | | |
| | 25RB_0 | 1750.0 | 16.07 | 16.03 | 15.93 | | | |
| | | 1732.5 | 15.74 | 15.84 | 15.72 | | | |
| | | 1715.0 | 15.40 | 15.60 | 15.65 | | | |
| | 50RB_0 | 1750.0 | 15.73 | 15.84 | 15.83 | | | |
| | | 1732.5 | 15.76 | 15.70 | 15.75 | | | |
| | | 1715.0 | 15.44 | 15.35 | 15.65 | | | |

| Ant.1 - Power Level A1/A2/B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 1747.5 | 15.42 | 15.64 | 15.43 | 16.5 | 16.5 | 16.5 |
| | | 1732.5 | 15.42 | 15.57 | 15.47 | | | |
| | | 1717.5 | 15.38 | 15.38 | 15.48 | | | |
| | 1RB_37 | 1747.5 | 16.02 | 16.25 | 16.06 | | | |
| | | 1732.5 | 15.83 | 15.72 | 15.73 | | | |
| | | 1717.5 | 15.50 | 16.10 | 15.87 | | | |
| | 1RB_0 | 1747.5 | 15.50 | 15.54 | 15.68 | | | |
| | | 1732.5 | 15.37 | 15.57 | 15.64 | | | |
| | | 1717.5 | 15.25 | 15.60 | 15.51 | | | |
| | 36RB_38 | 1747.5 | 15.55 | 15.61 | 15.57 | 16.5 | 16.5 | 16.5 |
| | | 1732.5 | 15.82 | 15.65 | 15.77 | | | |
| | | 1717.5 | 15.60 | 15.52 | 15.61 | | | |
| | 36RB_19 | 1747.5 | 15.98 | 15.87 | 15.99 | | | |
| | | 1732.5 | 15.84 | 15.60 | 15.85 | | | |
| | | 1717.5 | 15.47 | 15.87 | 15.40 | | | |
| | 36RB_0 | 1747.5 | 15.81 | 15.87 | 16.03 | | | |
| | | 1732.5 | 15.98 | 15.69 | 15.78 | | | |
| | | 1717.5 | 15.42 | 15.51 | 15.47 | | | |
| | 75RB_0 | 1747.5 | 16.01 | 16.02 | 15.74 | | | |
| | | 1732.5 | 15.89 | 15.87 | 15.82 | | | |
| | | 1717.5 | 15.73 | 15.35 | 15.49 | | | |

| Ant.1 - Power Level A1/A2/B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 1745.0 | 15.47 | 15.78 | 15.62 | 16.5 | 16.5 | 16.5 |
| | | 1732.5 | 15.46 | 15.65 | 15.54 | | | |
| | | 1720.0 | 15.34 | 15.52 | 15.33 | | | |
| | 1RB_50 | 1745.0 | **15.87** | 16.12 | 16.03 | | | |
| | | 1732.5 | 15.72 | 15.86 | 15.79 | | | |
| | | 1720.0 | 15.69 | 15.94 | 15.73 | | | |
| | 1RB_0 | 1745.0 | 15.51 | 15.74 | 15.61 | | | |
| | | 1732.5 | 15.45 | 15.59 | 15.53 | | | |
| | | 1720.0 | 15.42 | 15.69 | 15.48 | | | |
| | 50RB_50 | 1745.0 | 15.74 | 15.73 | 15.72 | 16.5 | 16.5 | 16.5 |
| | | 1732.5 | 15.66 | 15.65 | 15.60 | | | |
| | | 1720.0 | 15.66 | 15.65 | 15.58 | | | |
| | 50RB_25 | 1745.0 | 15.87 | 15.81 | 15.81 | | | |
| | | 1732.5 | 15.75 | 15.70 | 15.66 | | | |
| | | 1720.0 | 15.66 | 15.67 | 15.60 | | | |
| | 50RB_0 | 1745.0 | **15.96** | 15.89 | 15.90 | | | |
| | | 1732.5 | 15.79 | 15.76 | 15.71 | | | |
| | | 1720.0 | 15.60 | 15.61 | 15.55 | | | |
| | 100RB_0 | 1745.0 | 15.83 | 15.85 | 15.80 | | | |
| | | 1732.5 | 15.71 | 15.67 | 15.65 | | | |
| | | 1720.0 | 15.62 | 15.55 | 15.54 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 1754.3 | 22.20 | 21.74 | 20.35 | 23.5 | 22.5 | 21.5 |
| | | 1732.5 | 22.15 | 21.77 | 20.52 | | | |
| | | 1710.7 | 22.16 | 21.36 | 20.49 | | | |
| | 1RB_3 | 1754.3 | 22.84 | 21.94 | 20.66 | | | |
| | | 1732.5 | 22.58 | 21.86 | 20.67 | | | |
| | | 1710.7 | 22.49 | 21.91 | 20.84 | | | |
| | 1RB_0 | 1754.3 | 22.25 | 21.90 | 20.33 | | | |
| | | 1732.5 | 22.04 | 21.70 | 20.53 | | | |
| | | 1710.7 | 22.04 | 21.74 | 20.44 | | | |
| | 3RB_3 | 1754.3 | 22.40 | 21.83 | 20.24 | | | |
| | | 1732.5 | 22.38 | 21.67 | 20.39 | | | |
| | | 1710.7 | 22.24 | 21.68 | 20.51 | | | |
| | 3RB_1 | 1754.3 | 22.71 | 21.89 | 20.90 | | | |
| | | 1732.5 | 22.73 | 21.86 | 20.85 | | | |
| | | 1710.7 | 22.71 | 21.92 | 20.78 | | | |
| | 3RB_0 | 1754.3 | 22.44 | 21.55 | 20.54 | | | |
| | | 1732.5 | 22.07 | 21.68 | 20.31 | | | |
| | | 1710.7 | 22.09 | 21.74 | 20.36 | | | |
| | 6RB_0 | 1754.3 | 21.88 | 20.78 | 19.82 | 22.5 | 21.5 | 20.5 |
| | | 1732.5 | 21.75 | 20.69 | 19.77 | | | |
| | | 1710.7 | 21.28 | 20.59 | 19.68 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 1753.5 | 22.32 | 21.55 | 20.09 | 23.5 | 22.5 | 21.5 |
| | | 1732.5 | 22.20 | 21.55 | 20.46 | | | |
| | | 1711.5 | 22.33 | 21.88 | 20.63 | | | |
| | 1RB_7 | 1753.5 | 22.71 | 21.94 | 20.88 | | | |
| | | 1732.5 | 22.44 | 21.88 | 20.78 | | | |
| | | 1711.5 | 22.43 | 21.76 | 20.93 | | | |
| | 1RB_0 | 1753.5 | 22.43 | 21.76 | 20.46 | | | |
| | | 1732.5 | 22.09 | 21.85 | 20.75 | | | |
| | | 1711.5 | 22.11 | 21.66 | 20.23 | | | |
| | 8RB_7 | 1753.5 | 21.59 | 20.47 | 19.33 | 22.5 | 21.5 | 20.5 |
| | | 1732.5 | 21.71 | 20.53 | 19.34 | | | |
| | | 1711.5 | 21.58 | 20.50 | 19.59 | | | |
| | 8RB_4 | 1753.5 | 21.73 | 20.65 | 19.75 | | | |
| | | 1732.5 | 21.80 | 20.44 | 19.54 | | | |
| | | 1711.5 | 21.63 | 20.40 | 19.86 | | | |
| | 8RB_0 | 1753.5 | 21.54 | 20.81 | 19.72 | | | |
| | | 1732.5 | 21.71 | 20.49 | 19.75 | | | |
| | | 1711.5 | 21.62 | 20.37 | 19.95 | | | |
| | 15RB_0 | 1753.5 | 21.84 | 20.77 | 19.69 | | | |
| | | 1732.5 | 21.31 | 20.75 | 19.93 | | | |
| | | 1711.5 | 21.41 | 20.62 | 19.68 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 1752.5 | 22.28 | 21.62 | 20.29 | 23.5 | 22.5 | 21.5 |
| | | 1732.5 | 22.21 | 21.83 | 20.52 | | | |
| | | 1712.5 | 22.28 | 21.70 | 20.38 | | | |
| | 1RB_12 | 1752.5 | 22.74 | 21.85 | 20.76 | | | |
| | | 1732.5 | 22.56 | 21.83 | 20.64 | | | |
| | | 1712.5 | 22.72 | 21.89 | 20.73 | | | |
| | 1RB_0 | 1752.5 | 22.42 | 21.69 | 20.31 | | | |
| | | 1732.5 | 22.24 | 21.50 | 20.62 | | | |
| | | 1712.5 | 22.24 | 21.48 | 20.22 | | | |
| | 12RB_13 | 1752.5 | 21.73 | 20.56 | 19.41 | 22.5 | 21.5 | 20.5 |
| | | 1732.5 | 21.50 | 20.51 | 19.52 | | | |
| | | 1712.5 | 21.34 | 20.56 | 19.58 | | | |
| | 12RB_6 | 1752.5 | 21.54 | 20.68 | 19.56 | | | |
| | | 1732.5 | 21.67 | 20.62 | 19.78 | | | |
| | | 1712.5 | 21.54 | 20.60 | 19.95 | | | |
| | 12RB_0 | 1752.5 | 21.93 | 20.69 | 19.56 | | | |
| | | 1732.5 | 21.61 | 20.65 | 19.69 | | | |
| | | 1712.5 | 21.35 | 20.39 | 19.77 | | | |
| | 25RB_0 | 1752.5 | 21.57 | 20.58 | 19.54 | | | |
| | | 1732.5 | 21.77 | 20.62 | 19.76 | | | |
| | | 1712.5 | 21.38 | 20.53 | 19.68 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 1750.0 | 22.26 | 21.49 | 20.49 | 23.5 | 22.5 | 21.5 |
| | | 1732.5 | 22.32 | 21.55 | 20.37 | | | |
| | | 1715.0 | 21.99 | 21.38 | 20.62 | | | |
| | 1RB_24 | 1750.0 | 22.70 | 21.83 | 20.66 | | | |
| | | 1732.5 | 22.76 | 21.98 | 20.56 | | | |
| | | 1715.0 | 22.60 | 21.77 | 20.81 | | | |
| | 1RB_0 | 1750.0 | 22.33 | 21.57 | 20.63 | | | |
| | | 1732.5 | 22.18 | 21.75 | 20.34 | | | |
| | | 1715.0 | 22.17 | 21.41 | 20.41 | | | |
| | 25RB_25 | 1750.0 | 21.61 | 20.79 | 19.64 | 22.5 | 21.5 | 20.5 |
| | | 1732.5 | 21.50 | 20.48 | 19.36 | | | |
| | | 1715.0 | 21.60 | 20.57 | 19.55 | | | |
| | 25RB_12 | 1750.0 | 21.82 | 20.58 | 19.74 | | | |
| | | 1732.5 | 21.54 | 20.45 | 19.67 | | | |
| | | 1715.0 | 21.62 | 20.45 | 19.88 | | | |
| | 25RB_0 | 1750.0 | 21.69 | 20.84 | 19.85 | | | |
| | | 1732.5 | 21.88 | 20.81 | 19.78 | | | |
| | | 1715.0 | 21.23 | 20.64 | 19.82 | | | |
| | 50RB_0 | 1750.0 | 21.64 | 20.85 | 19.77 | | | |
| | | 1732.5 | 21.78 | 20.75 | 19.79 | | | |
| | | 1715.0 | 21.42 | 20.41 | 19.91 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 1747.5 | 22.17 | 21.74 | 20.24 | 23.5 | 22.5 | 21.5 |
| | | 1732.5 | 22.29 | 21.63 | 20.65 | | | |
| | | 1717.5 | 22.36 | 21.73 | 20.61 | | | |
| | 1RB_37 | 1747.5 | 22.83 | 21.96 | 20.91 | | | |
| | | 1732.5 | 22.48 | 21.87 | 20.87 | | | |
| | | 1717.5 | 22.61 | 21.90 | 20.93 | | | |
| | 1RB_0 | 1747.5 | 22.49 | 21.60 | 20.42 | | | |
| | | 1732.5 | 22.28 | 21.86 | 20.55 | | | |
| | | 1717.5 | 22.27 | 21.75 | 20.16 | | | |
| | 36RB_38 | 1747.5 | 21.47 | 20.62 | 19.52 | 22.5 | 21.5 | 20.5 |
| | | 1732.5 | 21.58 | 20.55 | 19.34 | | | |
| | | 1717.5 | 21.51 | 20.38 | 19.64 | | | |
| | 36RB_19 | 1747.5 | 21.72 | 20.71 | 19.58 | | | |
| | | 1732.5 | 21.74 | 20.48 | 19.72 | | | |
| | | 1717.5 | 21.51 | 20.57 | 19.81 | | | |
| | 36RB_0 | 1747.5 | 21.62 | 20.88 | 19.62 | | | |
| | | 1732.5 | 21.75 | 20.48 | 19.91 | | | |
| | | 1717.5 | 21.52 | 20.40 | 19.92 | | | |
| | 75RB_0 | 1747.5 | 21.86 | 20.84 | 19.57 | | | |
| | | 1732.5 | 21.42 | 20.59 | 19.98 | | | |
| | | 1717.5 | 21.41 | 20.43 | 19.80 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 1745.0 | 22.31 | 21.63 | 20.39 | 23.5 | 22.5 | 21.5 |
| | | 1732.5 | 22.28 | 21.68 | 20.52 | | | |
| | | 1720.0 | 22.17 | 21.55 | 20.46 | | | |
| | 1RB_50 | 1745.0 | **22.73** | 21.82 | 20.78 | | | |
| | | 1732.5 | 22.57 | 21.76 | 20.75 | | | |
| | | 1720.0 | 22.52 | 21.91 | 20.81 | | | |
| | 1RB_0 | 1745.0 | 22.31 | 21.72 | 20.47 | | | |
| | | 1732.5 | 22.23 | 21.66 | 20.48 | | | |
| | | 1720.0 | 22.23 | 21.58 | 20.33 | | | |
| | 50RB_50 | 1745.0 | 21.66 | 20.60 | 19.59 | 22.5 | 21.5 | 20.5 |
| | | 1732.5 | 21.47 | 20.46 | 19.50 | | | |
| | | 1720.0 | 21.50 | 20.53 | 19.70 | | | |
| | 50RB_25 | 1745.0 | 21.66 | 20.68 | 19.69 | | | |
| | | 1732.5 | 21.59 | 20.56 | 19.81 | | | |
| | | 1720.0 | 21.52 | 20.50 | 19.72 | | | |
| | 50RB_0 | 1745.0 | **21.77** | 20.75 | 19.75 | | | |
| | | 1732.5 | 21.68 | 20.65 | 19.86 | | | |
| | | 1720.0 | 21.41 | 20.45 | 19.80 | | | |
| | 100RB_0 | 1745.0 | 21.69 | 20.67 | 19.67 | | | |
| | | 1732.5 | 21.58 | 20.58 | 19.91 | | | |
| | | 1720.0 | 21.46 | 20.46 | 19.85 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 1754.3 | 20.17 | 20.45 | 20.41 | 21.5 | 21.5 | 21.5 |
| | | 1732.5 | 20.32 | 20.40 | 20.20 | | | |
| | | 1710.7 | 20.44 | 20.57 | 20.30 | | | |
| | 1RB_3 | 1754.3 | 20.65 | 20.93 | 20.83 | | | |
| | | 1732.5 | 20.68 | 20.93 | 20.77 | | | |
| | | 1710.7 | 20.62 | 20.57 | 20.90 | | | |
| | 1RB_0 | 1754.3 | 20.40 | 20.69 | 20.41 | | | |
| | | 1732.5 | 20.18 | 20.64 | 20.55 | | | |
| | | 1710.7 | 20.12 | 20.51 | 20.37 | | | |
| | 3RB_3 | 1754.3 | 20.33 | 20.40 | 20.21 | | | |
| | | 1732.5 | 20.09 | 20.65 | 20.48 | | | |
| | | 1710.7 | 20.23 | 20.33 | 20.19 | | | |
| | 3RB_1 | 1754.3 | 20.65 | 20.89 | 20.61 | | | |
| | | 1732.5 | 20.45 | 20.73 | 20.82 | | | |
| | | 1710.7 | 20.54 | 20.87 | 20.67 | | | |
| | 3RB_0 | 1754.3 | 20.17 | 20.52 | 20.43 | | | |
| | | 1732.5 | 20.11 | 20.52 | 20.32 | | | |
| | | 1710.7 | 20.21 | 20.44 | 20.24 | | | |
| | 6RB_0 | 1754.3 | 20.52 | 20.47 | 19.71 | 21.5 | 21.5 | 20.5 |
| | | 1732.5 | 20.69 | 20.41 | 19.89 | | | |
| | | 1710.7 | 20.24 | 20.58 | 19.85 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 1753.5 | 20.30 | 20.50 | 20.39 | 21.5 | 21.5 | 21.5 |
| | | 1732.5 | 20.26 | 20.57 | 20.29 | | | |
| | | 1711.5 | 20.35 | 20.45 | 20.26 | | | |
| | 1RB_7 | 1753.5 | 20.51 | 20.79 | 20.59 | | | |
| | | 1732.5 | 20.59 | 20.88 | 20.70 | | | |
| | | 1711.5 | 20.50 | 20.65 | 20.63 | | | |
| | 1RB_0 | 1753.5 | 20.22 | 20.37 | 20.46 | | | |
| | | 1732.5 | 20.28 | 20.44 | 20.02 | | | |
| | | 1711.5 | 20.38 | 20.13 | 20.27 | | | |
| | 8RB_7 | 1753.5 | 20.54 | 20.55 | 19.65 | 21.5 | 21.5 | 20.5 |
| | | 1732.5 | 20.28 | 20.18 | 19.29 | | | |
| | | 1711.5 | 20.45 | 20.73 | 19.35 | | | |
| | 8RB_4 | 1753.5 | 20.35 | 20.73 | 19.28 | | | |
| | | 1732.5 | 20.31 | 20.41 | 19.83 | | | |
| | | 1711.5 | 20.36 | 20.32 | 19.29 | | | |
| | 8RB_0 | 1753.5 | 20.80 | 20.81 | 19.59 | | | |
| | | 1732.5 | 20.52 | 20.64 | 19.93 | | | |
| | | 1711.5 | 20.18 | 20.49 | 19.59 | | | |
| | 15RB_0 | 1753.5 | 20.39 | 20.41 | 19.72 | | | |
| | | 1732.5 | 20.57 | 20.69 | 19.78 | | | |
| | | 1711.5 | 20.12 | 20.62 | 19.83 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 1752.5 | 20.24 | 20.40 | 20.19 | 21.5 | 21.5 | 21.5 |
| | | 1732.5 | 20.10 | 20.73 | 20.46 | | | |
| | | 1712.5 | 20.45 | 20.46 | 20.16 | | | |
| | 1RB_12 | 1752.5 | 20.70 | 20.81 | 20.65 | | | |
| | | 1732.5 | 20.53 | 20.75 | 20.55 | | | |
| | | 1712.5 | 20.51 | 20.70 | 20.71 | | | |
| | 1RB_0 | 1752.5 | 20.41 | 20.41 | 20.35 | | | |
| | | 1732.5 | 20.09 | 20.50 | 20.26 | | | |
| | | 1712.5 | 20.24 | 20.45 | 20.27 | | | |
| | 12RB_13 | 1752.5 | 20.44 | 20.38 | 19.66 | 21.5 | 21.5 | 20.5 |
| | | 1732.5 | 20.49 | 20.18 | 19.51 | | | |
| | | 1712.5 | 20.18 | 20.57 | 19.64 | | | |
| | 12RB_6 | 1752.5 | 20.41 | 20.44 | 19.39 | | | |
| | | 1732.5 | 20.55 | 20.41 | 19.90 | | | |
| | | 1712.5 | 20.50 | 20.59 | 19.57 | | | |
| | 12RB_0 | 1752.5 | 20.77 | 20.69 | 19.78 | | | |
| | | 1732.5 | 20.58 | 20.47 | 19.65 | | | |
| | | 1712.5 | 20.24 | 20.15 | 19.56 | | | |
| | 25RB_0 | 1752.5 | 20.69 | 20.50 | 19.70 | | | |
| | | 1732.5 | 20.55 | 20.56 | 19.65 | | | |
| | | 1712.5 | 20.31 | 20.46 | 19.88 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 1750.0 | 20.26 | 20.51 | 20.46 | 21.5 | 21.5 | 21.5 |
| | | 1732.5 | 20.15 | 20.39 | 20.39 | | | |
| | | 1715.0 | 20.44 | 20.35 | 20.43 | | | |
| | 1RB_24 | 1750.0 | 20.56 | 20.86 | 20.93 | | | |
| | | 1732.5 | 20.53 | 20.88 | 20.63 | | | |
| | | 1715.0 | 20.31 | 20.86 | 20.82 | | | |
| | 1RB_0 | 1750.0 | 20.22 | 20.65 | 20.59 | | | |
| | | 1732.5 | 20.21 | 20.36 | 20.27 | | | |
| | | 1715.0 | 20.05 | 20.56 | 20.23 | | | |
| | 25RB_25 | 1750.0 | 20.39 | 20.38 | 19.45 | 21.5 | 21.5 | 20.5 |
| | | 1732.5 | 20.29 | 20.24 | 19.21 | | | |
| | | 1715.0 | 20.18 | 20.27 | 19.30 | | | |
| | 25RB_12 | 1750.0 | 20.37 | 20.60 | 19.56 | | | |
| | | 1732.5 | 20.34 | 20.30 | 19.78 | | | |
| | | 1715.0 | 20.43 | 20.78 | 19.55 | | | |
| | 25RB_0 | 1750.0 | 20.68 | 20.46 | 19.55 | | | |
| | | 1732.5 | 20.63 | 20.67 | 19.73 | | | |
| | | 1715.0 | 20.50 | 20.15 | 19.41 | | | |
| | 50RB_0 | 1750.0 | 20.70 | 20.66 | 19.37 | | | |
| | | 1732.5 | 20.38 | 20.45 | 19.84 | | | |
| | | 1715.0 | 20.47 | 20.46 | 19.90 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 1747.5 | 20.33 | 20.41 | 20.15 | 21.5 | 21.5 | 21.5 |
| | | 1732.5 | 20.33 | 20.50 | 20.34 | | | |
| | | 1717.5 | 20.42 | 20.29 | 20.14 | | | |
| | 1RB_37 | 1747.5 | 20.66 | 20.79 | 20.72 | | | |
| | | 1732.5 | 20.64 | 20.71 | 20.59 | | | |
| | | 1717.5 | 20.38 | 20.54 | 20.76 | | | |
| | 1RB_0 | 1747.5 | 20.34 | 20.51 | 20.29 | | | |
| | | 1732.5 | 20.39 | 20.54 | 20.19 | | | |
| | | 1717.5 | 20.31 | 20.24 | 20.19 | | | |
| | 36RB_38 | 1747.5 | 20.39 | 20.64 | 19.69 | 21.5 | 21.5 | 20.5 |
| | | 1732.5 | 20.23 | 20.36 | 19.40 | | | |
| | | 1717.5 | 20.25 | 20.53 | 19.36 | | | |
| | 36RB_19 | 1747.5 | 20.37 | 20.56 | 19.45 | | | |
| | | 1732.5 | 20.50 | 20.26 | 19.77 | | | |
| | | 1717.5 | 20.25 | 20.44 | 19.44 | | | |
| | 36RB_0 | 1747.5 | 20.70 | 20.80 | 19.49 | | | |
| | | 1732.5 | 20.39 | 20.50 | 19.83 | | | |
| | | 1717.5 | 20.19 | 20.08 | 19.59 | | | |
| | 75RB_0 | 1747.5 | 20.48 | 20.43 | 19.71 | | | |
| | | 1732.5 | 20.63 | 20.62 | 19.88 | | | |
| | | 1717.5 | 20.22 | 20.50 | 19.82 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 4 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 1745.0 | 20.18 | 20.55 | 20.30 | 21.5 | 21.5 | 21.5 |
| | | 1732.5 | 20.16 | 20.55 | 20.35 | | | |
| | | 1720.0 | 20.25 | 20.43 | 20.27 | | | |
| | 1RB_50 | 1745.0 | **20.57** | 20.97 | 20.81 | | | |
| | | 1732.5 | 20.51 | 20.89 | 20.69 | | | |
| | | 1720.0 | 20.45 | 20.74 | 20.83 | | | |
| | 1RB_0 | 1745.0 | 20.21 | 20.58 | 20.42 | | | |
| | | 1732.5 | 20.19 | 20.52 | 20.37 | | | |
| | | 1720.0 | 20.12 | 20.40 | 20.32 | | | |
| | 50RB_50 | 1745.0 | 20.47 | 20.51 | 19.49 | 21.5 | 21.5 | 20.5 |
| | | 1732.5 | 20.36 | 20.33 | 19.37 | | | |
| | | 1720.0 | 20.36 | 20.46 | 19.49 | | | |
| | 50RB_25 | 1745.0 | 20.54 | 20.60 | 19.56 | | | |
| | | 1732.5 | 20.44 | 20.46 | 19.97 | | | |
| | | 1720.0 | 20.36 | 20.63 | 19.61 | | | |
| | 50RB_0 | 1745.0 | **20.59** | 20.61 | 19.66 | | | |
| | | 1732.5 | 20.52 | 20.50 | 19.83 | | | |
| | | 1720.0 | 20.30 | 20.27 | 19.60 | | | |
| | 100RB_0 | 1745.0 | 20.55 | 20.59 | 19.57 | | | |
| | | 1732.5 | 20.49 | 20.45 | 19.77 | | | |
| | | 1720.0 | 20.42 | 20.41 | 19.71 | | | |

| Ant.1 - Power Level A1/A2/B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 5 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 848.3 | 23.45 | 22.42 | 21.87 | 24.5 | 23.5 | 22.5 |
| | | 836.5 | 23.47 | 22.28 | 21.76 | | | |
| | | 824.7 | 23.01 | 22.64 | 21.82 | | | |
| | 1RB_3 | 848.3 | 23.85 | 22.63 | 21.73 | | | |
| | | 836.5 | 23.75 | 22.52 | 21.87 | | | |
| | | 824.7 | 23.33 | 22.65 | 22.20 | | | |
| | 1RB_0 | 848.3 | 23.50 | 22.50 | 21.47 | | | |
| | | 836.5 | 23.63 | 22.37 | 21.79 | | | |
| | | 824.7 | 23.22 | 22.45 | 21.78 | | | |
| | 3RB_3 | 848.3 | 23.73 | 22.33 | 21.61 | | | |
| | | 836.5 | 23.47 | 22.20 | 21.58 | | | |
| | | 824.7 | 23.23 | 22.40 | 21.92 | | | |
| | 3RB_1 | 848.3 | 23.52 | 22.38 | 21.66 | | | |
| | | 836.5 | 23.72 | 22.68 | 22.00 | | | |
| | | 824.7 | 23.40 | 22.57 | 22.02 | | | |
| | 3RB_0 | 848.3 | 23.51 | 22.40 | 21.65 | | | |
| | | 836.5 | 23.48 | 22.27 | 21.89 | | | |
| | | 824.7 | 23.03 | 22.19 | 21.89 | | | |
| | 6RB_0 | 848.3 | 22.61 | 21.11 | 20.79 | 23.5 | 22.5 | 21.5 |
| | | 836.5 | 22.18 | 21.42 | 20.65 | | | |
| | | 824.7 | 22.37 | 21.46 | 20.52 | | | |

| Ant.1 - Power Level A1/A2/B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 5 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 847.5 | 23.64 | 22.13 | 21.76 | 24.5 | 23.5 | 22.5 |
| | | 836.5 | 23.30 | 22.39 | 21.82 | | | |
| | | 825.5 | 23.34 | 22.66 | 21.85 | | | |
| | 1RB_7 | 847.5 | 23.84 | 22.51 | 21.94 | | | |
| | | 836.5 | 23.40 | 22.54 | 22.04 | | | |
| | | 825.5 | 23.36 | 22.69 | 21.97 | | | |
| | 1RB_0 | 847.5 | 23.49 | 22.26 | 21.73 | | | |
| | | 836.5 | 23.29 | 22.59 | 21.82 | | | |
| | | 825.5 | 23.14 | 22.27 | 21.75 | | | |
| | 8RB_7 | 847.5 | 22.83 | 21.40 | 20.67 | 23.5 | 22.5 | 21.5 |
| | | 836.5 | 22.18 | 21.04 | 20.79 | | | |
| | | 825.5 | 22.05 | 21.24 | 20.82 | | | |
| | 8RB_4 | 847.5 | 22.84 | 21.39 | 20.53 | | | |
| | | 836.5 | 22.27 | 21.19 | 20.78 | | | |
| | | 825.5 | 22.26 | 21.24 | 20.81 | | | |
| | 8RB_0 | 847.5 | 22.57 | 21.29 | 20.59 | | | |
| | | 836.5 | 22.44 | 21.37 | 20.59 | | | |
| | | 825.5 | 22.22 | 21.25 | 20.81 | | | |
| | 15RB_0 | 847.5 | 22.78 | 21.19 | 20.64 | | | |
| | | 836.5 | 22.42 | 21.21 | 20.77 | | | |
| | | 825.5 | 22.12 | 21.41 | 20.83 | | | |

| Ant.1 - Power Level A1/A2/B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 5 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 846.5 | 23.78 | 22.48 | 21.60 | 24.5 | 23.5 | 22.5 |
| | | 836.5 | 23.63 | 22.37 | 21.90 | | | |
| | | 826.5 | 23.37 | 22.62 | 22.05 | | | |
| | 1RB_12 | 846.5 | 23.76 | 22.59 | 21.58 | | | |
| | | 836.5 | 23.40 | 22.48 | 21.78 | | | |
| | | 826.5 | 23.22 | 22.76 | 22.24 | | | |
| | 1RB_0 | 846.5 | 23.36 | 22.38 | 21.67 | | | |
| | | 836.5 | 23.34 | 22.49 | 21.78 | | | |
| | | 826.5 | 23.07 | 22.28 | 21.73 | | | |
| | 12RB_13 | 846.5 | 22.83 | 21.08 | 20.51 | 23.5 | 22.5 | 21.5 |
| | | 836.5 | 22.08 | 21.35 | 20.67 | | | |
| | | 826.5 | 22.17 | 21.36 | 20.62 | | | |
| | 12RB_6 | 846.5 | 22.55 | 21.20 | 20.64 | | | |
| | | 836.5 | 22.37 | 21.36 | 20.82 | | | |
| | | 826.5 | 22.22 | 21.13 | 20.59 | | | |
| | 12RB_0 | 846.5 | 22.62 | 21.06 | 20.53 | | | |
| | | 836.5 | 22.65 | 21.18 | 20.62 | | | |
| | | 826.5 | 22.07 | 21.34 | 20.68 | | | |
| | 25RB_0 | 846.5 | 22.80 | 21.38 | 20.67 | | | |
| | | 836.5 | 22.48 | 21.42 | 20.73 | | | |
| | | 826.5 | 22.15 | 21.45 | 20.61 | | | |

| Ant.1 - Power Level A1/A2/B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 5 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 844.0 | 23.60 | 22.33 | 21.70 | 24.5 | 23.5 | 22.5 |
| | | 836.5 | 23.50 | 22.39 | 21.78 | | | |
| | | 829.0 | 23.20 | 22.49 | 21.91 | | | |
| | 1RB_24 | 844.0 | **23.65** | 22.45 | 21.78 | | | |
| | | 836.5 | 23.57 | 22.49 | 21.86 | | | |
| | | 829.0 | 23.30 | 22.58 | 22.06 | | | |
| | 1RB_0 | 844.0 | 23.52 | 22.31 | 21.63 | | | |
| | | 836.5 | 23.46 | 22.45 | 21.82 | | | |
| | | 829.0 | 23.09 | 22.39 | 21.88 | | | |
| | 25RB_25 | 844.0 | 22.65 | 21.21 | 20.60 | 23.5 | 22.5 | 21.5 |
| | | 836.5 | 22.25 | 21.22 | 20.64 | | | |
| | | 829.0 | 22.23 | 21.29 | 20.74 | | | |
| | 25RB_12 | 844.0 | 22.64 | 21.26 | 20.64 | | | |
| | | 836.5 | 22.25 | 21.25 | 20.63 | | | |
| | | 829.0 | 22.24 | 21.28 | 20.70 | | | |
| | 25RB_0 | 844.0 | **22.67** | 21.25 | 20.68 | | | |
| | | 836.5 | 22.57 | 21.30 | 20.64 | | | |
| | | 829.0 | 22.20 | 21.23 | 20.65 | | | |
| | 50RB_0 | 844.0 | 22.64 | 21.25 | 20.66 | | | |
| | | 836.5 | 22.30 | 21.22 | 20.65 | | | |
| | | 829.0 | 22.25 | 21.32 | 20.70 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 5 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 848.3 | 22.65 | 22.42 | 21.63 | 23.5 | 23.5 | 22.5 |
| | | 836.5 | 22.74 | 22.58 | 21.78 | | | |
| | | 824.7 | 22.17 | 22.66 | 21.99 | | | |
| | 1RB_3 | 848.3 | 22.45 | 22.39 | 21.98 | | | |
| | | 836.5 | 22.74 | 22.40 | 21.85 | | | |
| | | 824.7 | 22.51 | 22.64 | 21.94 | | | |
| | 1RB_0 | 848.3 | 22.63 | 22.31 | 21.53 | | | |
| | | 836.5 | 22.53 | 22.29 | 21.94 | | | |
| | | 824.7 | 22.31 | 22.24 | 21.74 | | | |
| | 3RB_3 | 848.3 | 22.85 | 22.34 | 21.48 | | | |
| | | 836.5 | 22.54 | 22.39 | 21.81 | | | |
| | | 824.7 | 22.43 | 22.72 | 21.75 | | | |
| | 3RB_1 | 848.3 | 22.53 | 22.38 | 21.84 | | | |
| | | 836.5 | 22.66 | 22.46 | 21.83 | | | |
| | | 824.7 | 22.33 | 22.77 | 21.96 | | | |
| | 3RB_0 | 848.3 | 22.36 | 22.40 | 21.82 | | | |
| | | 836.5 | 22.24 | 22.38 | 21.82 | | | |
| | | 824.7 | 22.01 | 22.27 | 21.98 | | | |
| | 6RB_0 | 848.3 | 22.62 | 21.65 | 20.55 | 23.5 | 22.5 | 21.5 |
| | | 836.5 | 22.37 | 21.41 | 20.70 | | | |
| | | 824.7 | 22.23 | 21.39 | 20.70 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 5 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 847.5 | 22.53 | 22.44 | 21.59 | 23.5 | 23.5 | 22.5 |
| | | 836.5 | 22.77 | 22.41 | 21.84 | | | |
| | | 825.5 | 22.32 | 22.73 | 21.97 | | | |
| | 1RB_7 | 847.5 | 22.60 | 22.66 | 21.85 | | | |
| | | 836.5 | 22.69 | 22.27 | 21.96 | | | |
| | | 825.5 | 22.55 | 22.62 | 21.87 | | | |
| | 1RB_0 | 847.5 | 22.67 | 22.43 | 21.57 | | | |
| | | 836.5 | 22.33 | 22.53 | 21.73 | | | |
| | | 825.5 | 22.38 | 22.41 | 21.70 | | | |
| | 8RB_7 | 847.5 | 22.54 | 21.21 | 20.49 | 23.5 | 22.5 | 21.5 |
| | | 836.5 | 22.21 | 21.35 | 20.85 | | | |
| | | 825.5 | 22.15 | 21.47 | 20.62 | | | |
| | 8RB_4 | 847.5 | 22.59 | 21.28 | 20.68 | | | |
| | | 836.5 | 22.13 | 21.35 | 20.56 | | | |
| | | 825.5 | 22.40 | 21.41 | 20.58 | | | |
| | 8RB_0 | 847.5 | 22.49 | 21.14 | 20.95 | | | |
| | | 836.5 | 22.60 | 21.28 | 20.65 | | | |
| | | 825.5 | 22.50 | 21.18 | 20.68 | | | |
| | 15RB_0 | 847.5 | 22.60 | 21.28 | 20.79 | | | |
| | | 836.5 | 22.41 | 21.40 | 20.51 | | | |
| | | 825.5 | 22.28 | 21.23 | 20.66 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 5 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 846.5 | 22.58 | 22.35 | 21.71 | 23.5 | 23.5 | 22.5 |
| | | 836.5 | 22.45 | 22.49 | 21.81 | | | |
| | | 826.5 | 22.12 | 22.59 | 21.88 | | | |
| | 1RB_12 | 846.5 | 22.42 | 22.53 | 21.96 | | | |
| | | 836.5 | 22.42 | 22.46 | 21.81 | | | |
| | | 826.5 | 22.21 | 22.58 | 21.94 | | | |
| | 1RB_0 | 846.5 | 22.65 | 22.47 | 21.80 | | | |
| | | 836.5 | 22.55 | 22.51 | 21.86 | | | |
| | | 826.5 | 22.15 | 22.53 | 21.73 | | | |
| | 12RB_13 | 846.5 | 22.53 | 21.32 | 20.43 | 23.5 | 22.5 | 21.5 |
| | | 836.5 | 22.29 | 21.37 | 20.70 | | | |
| | | 826.5 | 22.19 | 21.49 | 20.80 | | | |
| | 12RB_6 | 846.5 | 22.50 | 21.42 | 20.78 | | | |
| | | 836.5 | 22.46 | 21.11 | 20.59 | | | |
| | | 826.5 | 22.24 | 21.13 | 20.81 | | | |
| | 12RB_0 | 846.5 | 22.56 | 21.12 | 20.58 | | | |
| | | 836.5 | 22.51 | 21.57 | 20.62 | | | |
| | | 826.5 | 22.50 | 21.31 | 20.70 | | | |
| | 25RB_0 | 846.5 | 22.52 | 21.24 | 20.83 | | | |
| | | 836.5 | 22.55 | 21.16 | 20.79 | | | |
| | | 826.5 | 22.39 | 21.52 | 20.52 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **LTE Band 5** | | | Actual output Power (dBm) | | | **Tune up** | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 844.0 | 22.70 | 22.33 | 21.66 | **23.5** | **23.5** | **22.5** |
| | | 836.5 | 22.57 | 22.47 | 21.85 | | | |
| | | 829.0 | 22.23 | 22.59 | 21.91 | | | |
| | 1RB_24 | 844.0 | **22.60** | 22.52 | 21.81 | | | |
| | | 836.5 | 22.57 | 22.47 | 21.93 | | | |
| | | 829.0 | 22.39 | 22.57 | 21.82 | | | |
| | 1RB_0 | 844.0 | 22.47 | 22.35 | 21.67 | | | |
| | | 836.5 | 22.44 | 22.44 | 21.92 | | | |
| | | 829.0 | 22.18 | 22.41 | 21.89 | | | |
| | 25RB_25 | 844.0 | 22.66 | 21.24 | 20.60 | **23.5** | **22.5** | **21.5** |
| | | 836.5 | 22.24 | 21.26 | 20.69 | | | |
| | | 829.0 | 22.19 | 21.32 | 20.81 | | | |
| | 25RB_12 | 844.0 | 22.67 | 21.25 | 20.70 | | | |
| | | 836.5 | 22.27 | 21.27 | 20.59 | | | |
| | | 829.0 | 22.29 | 21.31 | 20.65 | | | |
| | 25RB_0 | 844.0 | **22.69** | 21.24 | 20.76 | | | |
| | | 836.5 | 22.62 | 21.40 | 20.61 | | | |
| | | 829.0 | 22.30 | 21.24 | 20.60 | | | |
| | 50RB_0 | 844.0 | 22.65 | 21.32 | 20.73 | | | |
| | | 836.5 | 22.36 | 21.21 | 20.70 | | | |
| | | 829.0 | 22.29 | 21.39 | 20.69 | | | |

| Ant.0 - Power Level A1/A2/B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 5 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 848.3 | 23.26 | 22.13 | 21.70 | 24.5 | 23.5 | 22.5 |
| | | 836.5 | 23.07 | 22.46 | 21.87 | | | |
| | | 824.7 | 23.13 | 22.25 | 21.52 | | | |
| | 1RB_3 | 848.3 | 23.64 | 22.39 | 21.89 | | | |
| | | 836.5 | 23.00 | 22.56 | 21.78 | | | |
| | | 824.7 | 23.31 | 22.46 | 21.69 | | | |
| | 1RB_0 | 848.3 | 23.27 | 22.44 | 21.69 | | | |
| | | 836.5 | 23.06 | 22.52 | 21.54 | | | |
| | | 824.7 | 23.18 | 22.22 | 21.39 | | | |
| | 3RB_3 | 848.3 | 23.37 | 22.24 | 21.60 | | | |
| | | 836.5 | 23.06 | 22.37 | 21.78 | | | |
| | | 824.7 | 23.18 | 22.21 | 21.89 | | | |
| | 3RB_1 | 848.3 | 23.51 | 22.58 | 21.86 | | | |
| | | 836.5 | 23.09 | 22.28 | 21.63 | | | |
| | | 824.7 | 23.03 | 22.71 | 21.74 | | | |
| | 3RB_0 | 848.3 | 23.35 | 22.41 | 21.69 | | | |
| | | 836.5 | 23.13 | 22.32 | 21.78 | | | |
| | | 824.7 | 23.12 | 22.29 | 21.56 | | | |
| | 6RB_0 | 848.3 | 22.06 | 21.13 | 20.63 | 23.5 | 22.5 | 21.5 |
| | | 836.5 | 22.09 | 21.33 | 20.74 | | | |
| | | 824.7 | 22.08 | 21.34 | 20.78 | | | |

| Ant.0 - Power Level A1/A2/B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 5 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 847.5 | 23.45 | 22.43 | 21.43 | 24.5 | 23.5 | 22.5 |
| | | 836.5 | 23.18 | 22.25 | 21.59 | | | |
| | | 825.5 | 23.29 | 22.38 | 21.75 | | | |
| | 1RB_7 | 847.5 | 23.54 | 22.52 | 21.84 | | | |
| | | 836.5 | 23.15 | 22.22 | 21.93 | | | |
| | | 825.5 | 23.30 | 22.48 | 21.66 | | | |
| | 1RB_0 | 847.5 | 23.41 | 22.29 | 21.75 | | | |
| | | 836.5 | 23.17 | 22.33 | 21.63 | | | |
| | | 825.5 | 23.31 | 22.33 | 21.76 | | | |
| | 8RB_7 | 847.5 | 22.24 | 21.17 | 20.30 | 23.5 | 22.5 | 21.5 |
| | | 836.5 | 22.27 | 21.15 | 20.74 | | | |
| | | 825.5 | 22.14 | 21.33 | 20.68 | | | |
| | 8RB_4 | 847.5 | 22.59 | 21.29 | 20.51 | | | |
| | | 836.5 | 22.05 | 21.15 | 20.48 | | | |
| | | 825.5 | 22.02 | 21.12 | 20.45 | | | |
| | 8RB_0 | 847.5 | 22.27 | 21.09 | 20.39 | | | |
| | | 836.5 | 22.19 | 21.29 | 20.71 | | | |
| | | 825.5 | 22.06 | 21.20 | 20.63 | | | |
| | 15RB_0 | 847.5 | 22.22 | 21.06 | 20.35 | | | |
| | | 836.5 | 22.18 | 21.19 | 20.42 | | | |
| | | 825.5 | 22.16 | 21.48 | 20.78 | | | |

| Ant.0 - Power Level A1/A2/B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 5 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 846.5 | 23.30 | 22.22 | 21.73 | 24.5 | 23.5 | 22.5 |
| | | 836.5 | 23.28 | 22.11 | 21.71 | | | |
| | | 826.5 | 23.24 | 22.25 | 21.90 | | | |
| | 1RB_12 | 846.5 | 23.41 | 22.45 | 21.83 | | | |
| | | 836.5 | 23.16 | 22.47 | 21.62 | | | |
| | | 826.5 | 23.03 | 22.57 | 21.80 | | | |
| | 1RB_0 | 846.5 | 23.46 | 22.33 | 21.89 | | | |
| | | 836.5 | 23.16 | 22.40 | 21.69 | | | |
| | | 826.5 | 23.28 | 22.42 | 21.64 | | | |
| | 12RB_13 | 846.5 | 22.02 | 21.19 | 20.34 | 23.5 | 22.5 | 21.5 |
| | | 836.5 | 22.00 | 21.15 | 20.49 | | | |
| | | 826.5 | 22.02 | 21.07 | 20.73 | | | |
| | 12RB_6 | 846.5 | 22.61 | 21.04 | 20.46 | | | |
| | | 836.5 | 22.18 | 21.25 | 20.51 | | | |
| | | 826.5 | 22.23 | 21.31 | 20.57 | | | |
| | 12RB_0 | 846.5 | 22.28 | 21.26 | 20.61 | | | |
| | | 836.5 | 22.11 | 21.00 | 20.43 | | | |
| | | 826.5 | 22.28 | 21.24 | 20.51 | | | |
| | 25RB_0 | 846.5 | 22.01 | 21.08 | 20.59 | | | |
| | | 836.5 | 22.08 | 21.34 | 20.62 | | | |
| | | 826.5 | 22.31 | 21.28 | 20.67 | | | |

| Ant.0 - Power Level A1/A2/B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **LTE Band 5** | | | Actual output Power (dBm) | | | **Tune up** | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 844.0 | 23.46 | 22.28 | 21.76 | **24.5** | **23.5** | **22.5** |
| | | 836.5 | 23.03 | 22.30 | 21.69 | | | |
| | | 829.0 | 23.08 | 22.40 | 21.70 | | | |
| | 1RB_24 | 844.0 | **23.56** | 22.39 | 21.86 | | | |
| | | 836.5 | 23.15 | 22.41 | 21.79 | | | |
| | | 829.0 | 23.18 | 22.54 | 21.74 | | | |
| | 1RB_0 | 844.0 | 23.42 | 22.24 | 21.74 | | | |
| | | 836.5 | 23.06 | 22.38 | 21.72 | | | |
| | | 829.0 | 23.00 | 22.31 | 21.56 | | | |
| | 25RB_25 | 844.0 | 22.13 | 21.09 | 20.49 | **23.5** | **22.5** | **21.5** |
| | | 836.5 | 22.08 | 21.10 | 20.55 | | | |
| | | 829.0 | 22.12 | 21.22 | 20.63 | | | |
| | 25RB_12 | 844.0 | **22.47** | 21.12 | 20.51 | | | |
| | | 836.5 | 22.08 | 21.22 | 20.55 | | | |
| | | 829.0 | 22.11 | 21.28 | 20.57 | | | |
| | 25RB_0 | 844.0 | 22.17 | 21.11 | 20.54 | | | |
| | | 836.5 | 22.05 | 21.15 | 20.57 | | | |
| | | 829.0 | 22.12 | 21.15 | 20.53 | | | |
| | 50RB_0 | 844.0 | 22.02 | 21.21 | 20.50 | | | |
| | | 836.5 | 22.06 | 21.15 | 20.55 | | | |
| | | 829.0 | 22.14 | 21.31 | 20.64 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2567.5 | 17.46 | 17.74 | 17.70 | 18.0 | 18.0 | 18.0 |
| | | 2535.0 | 17.09 | 17.70 | 17.43 | | | |
| | | 2502.5 | 17.23 | 17.72 | 17.56 | | | |
| | 1RB_12 | 2567.5 | 17.65 | 17.81 | 17.85 | | | |
| | | 2535.0 | 17.34 | 17.86 | 17.79 | | | |
| | | 2502.5 | 17.65 | 17.90 | 17.56 | | | |
| | 1RB_0 | 2567.5 | 17.00 | 17.64 | 17.33 | | | |
| | | 2535.0 | 17.30 | 17.56 | 17.35 | | | |
| | | 2502.5 | 17.03 | 17.27 | 17.08 | | | |
| | 12RB_13 | 2567.5 | 17.37 | 17.70 | 17.37 | 18.0 | 18.0 | 18.0 |
| | | 2535.0 | 17.57 | 17.73 | 17.61 | | | |
| | | 2502.5 | 17.76 | 17.78 | 17.38 | | | |
| | 12RB_6 | 2567.5 | 17.52 | 17.48 | 17.46 | | | |
| | | 2535.0 | 17.58 | 17.45 | 17.79 | | | |
| | | 2502.5 | 17.56 | 17.57 | 17.64 | | | |
| | 12RB_0 | 2567.5 | 17.30 | 17.32 | 17.50 | | | |
| | | 2535.0 | 17.55 | 17.58 | 17.52 | | | |
| | | 2502.5 | 17.32 | 17.31 | 17.03 | | | |
| | 25RB_0 | 2567.5 | 17.45 | 17.47 | 17.46 | | | |
| | | 2535.0 | 17.62 | 17.53 | 17.76 | | | |
| | | 2502.5 | 17.59 | 17.33 | 17.48 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2565.0 | 17.31 | 17.64 | 17.59 | 18.0 | 18.0 | 18.0 |
| | | 2535.0 | 17.12 | 17.73 | 17.59 | | | |
| | | 2505.0 | 17.44 | 17.61 | 17.26 | | | |
| | 1RB_24 | 2565.0 | 17.77 | 17.82 | 17.76 | | | |
| | | 2535.0 | 17.48 | 17.82 | 17.89 | | | |
| | | 2505.0 | 17.59 | 17.73 | 17.64 | | | |
| | 1RB_0 | 2565.0 | 17.04 | 17.68 | 17.62 | | | |
| | | 2535.0 | 17.15 | 17.49 | 17.53 | | | |
| | | 2505.0 | 16.88 | 17.27 | 17.34 | | | |
| | 25RB_25 | 2565.0 | 17.63 | 17.53 | 17.31 | 18.0 | 18.0 | 18.0 |
| | | 2535.0 | 17.33 | 17.41 | 17.42 | | | |
| | | 2505.0 | 17.55 | 17.79 | 17.49 | | | |
| | 25RB_12 | 2565.0 | 17.55 | 17.56 | 17.59 | | | |
| | | 2535.0 | 17.60 | 17.57 | 17.53 | | | |
| | | 2505.0 | 17.35 | 17.63 | 17.64 | | | |
| | 25RB_0 | 2565.0 | 17.37 | 17.37 | 17.26 | | | |
| | | 2535.0 | 17.49 | 17.48 | 17.71 | | | |
| | | 2505.0 | 17.40 | 17.14 | 17.20 | | | |
| | 50RB_0 | 2565.0 | 17.49 | 17.35 | 17.40 | | | |
| | | 2535.0 | 17.38 | 17.53 | 17.61 | | | |
| | | 2505.0 | 17.60 | 17.56 | 17.48 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2562.5 | 17.28 | 17.76 | 17.50 | 18.0 | 18.0 | 18.0 |
| | | 2535.0 | 17.14 | 17.79 | 17.45 | | | |
| | | 2507.5 | 17.08 | 17.53 | 17.39 | | | |
| | 1RB_37 | 2562.5 | 17.76 | 17.88 | 17.74 | | | |
| | | 2535.0 | 17.62 | 17.85 | 17.72 | | | |
| | | 2507.5 | 17.64 | 17.87 | 17.59 | | | |
| | 1RB_0 | 2562.5 | 17.24 | 17.38 | 17.59 | | | |
| | | 2535.0 | 17.36 | 17.40 | 17.27 | | | |
| | | 2507.5 | 16.89 | 17.51 | 17.21 | | | |
| | 36RB_38 | 2562.5 | 17.41 | 17.50 | 17.38 | 18.0 | 18.0 | 18.0 |
| | | 2535.0 | 17.31 | 17.61 | 17.55 | | | |
| | | 2507.5 | 17.66 | 17.62 | 17.71 | | | |
| | 36RB_19 | 2562.5 | 17.49 | 17.60 | 17.72 | | | |
| | | 2535.0 | 17.57 | 17.68 | 17.78 | | | |
| | | 2507.5 | 17.62 | 17.64 | 17.38 | | | |
| | 36RB_0 | 2562.5 | 17.29 | 17.24 | 17.58 | | | |
| | | 2535.0 | 17.60 | 17.57 | 17.76 | | | |
| | | 2507.5 | 17.19 | 17.26 | 17.04 | | | |
| | 75RB_0 | 2562.5 | 17.69 | 17.68 | 17.43 | | | |
| | | 2535.0 | 17.60 | 17.55 | 17.64 | | | |
| | | 2507.5 | 17.49 | 17.57 | 17.28 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2560.0 | 17.37 | 17.76 | 17.70 | 18.0 | 18.0 | 18.0 |
| | | 2535.0 | 17.28 | 17.69 | 17.54 | | | |
| | | 2510.0 | 17.25 | 17.54 | 17.44 | | | |
| | 1RB_50 | 2560.0 | **17.59** | 17.85 | 17.88 | | | |
| | | 2535.0 | 17.53 | 17.87 | 17.85 | | | |
| | | 2510.0 | 17.46 | 17.82 | 17.66 | | | |
| | 1RB_0 | 2560.0 | 17.15 | 17.51 | 17.46 | | | |
| | | 2535.0 | 17.19 | 17.57 | 17.41 | | | |
| | | 2510.0 | 17.06 | 17.39 | 17.27 | | | |
| | 50RB_50 | 2560.0 | 17.56 | 17.56 | 17.51 | 18.0 | 18.0 | 18.0 |
| | | 2535.0 | 17.49 | 17.54 | 17.54 | | | |
| | | 2510.0 | **17.61** | 17.60 | 17.57 | | | |
| | 50RB_25 | 2560.0 | 17.53 | 17.60 | 17.57 | | | |
| | | 2535.0 | 17.58 | 17.59 | 17.59 | | | |
| | | 2510.0 | 17.45 | 17.48 | 17.48 | | | |
| | 50RB_0 | 2560.0 | 17.41 | 17.43 | 17.42 | | | |
| | | 2535.0 | 17.57 | 17.61 | 17.59 | | | |
| | | 2510.0 | 17.20 | 17.25 | 17.21 | | | |
| | 100RB_0 | 2560.0 | 17.54 | 17.48 | 17.50 | | | |
| | | 2535.0 | 17.50 | 17.59 | 17.58 | | | |
| | | 2510.0 | 17.42 | 17.49 | 17.47 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2567.5 | 19.74 | 20.26 | 19.83 | 20.5 | 20.5 | 20.5 |
| | | 2535.0 | 19.75 | 20.10 | 19.67 | | | |
| | | 2502.5 | 19.77 | 20.17 | 20.06 | | | |
| | 1RB_12 | 2567.5 | 19.91 | 20.38 | 20.15 | | | |
| | | 2535.0 | 20.28 | 20.37 | 20.37 | | | |
| | | 2502.5 | 19.83 | 20.18 | 20.24 | | | |
| | 1RB_0 | 2567.5 | 19.25 | 20.14 | 19.87 | | | |
| | | 2535.0 | 19.78 | 20.20 | 19.73 | | | |
| | | 2502.5 | 19.68 | 19.76 | 19.26 | | | |
| | 12RB_13 | 2567.5 | 19.97 | 20.17 | 20.02 | 20.5 | 20.5 | 20.5 |
| | | 2535.0 | 20.19 | 20.16 | 20.02 | | | |
| | | 2502.5 | 20.25 | 19.89 | 20.03 | | | |
| | 12RB_6 | 2567.5 | 19.90 | 20.07 | 20.23 | | | |
| | | 2535.0 | 20.06 | 19.90 | 20.07 | | | |
| | | 2502.5 | 20.03 | 20.11 | 19.90 | | | |
| | 12RB_0 | 2567.5 | 19.47 | 19.79 | 20.04 | | | |
| | | 2535.0 | 20.16 | 19.87 | 20.23 | | | |
| | | 2502.5 | 19.54 | 19.58 | 19.61 | | | |
| | 25RB_0 | 2567.5 | 19.90 | 19.92 | 20.06 | | | |
| | | 2535.0 | 20.02 | 20.22 | 20.26 | | | |
| | | 2502.5 | 20.09 | 19.76 | 19.73 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2565.0 | 19.66 | 20.33 | 20.01 | 20.5 | 20.5 | 20.5 |
| | | 2535.0 | 19.71 | 19.94 | 19.94 | | | |
| | | 2505.0 | 19.50 | 19.94 | 19.76 | | | |
| | 1RB_24 | 2565.0 | 19.92 | 20.21 | 20.04 | | | |
| | | 2535.0 | 20.27 | 20.37 | 20.22 | | | |
| | | 2505.0 | 19.84 | 19.96 | 20.42 | | | |
| | 1RB_0 | 2565.0 | 19.20 | 20.05 | 19.59 | | | |
| | | 2535.0 | 19.79 | 19.95 | 20.03 | | | |
| | | 2505.0 | 19.35 | 19.66 | 19.36 | | | |
| | 25RB_25 | 2565.0 | 19.86 | 19.97 | 19.89 | 20.5 | 20.5 | 20.5 |
| | | 2535.0 | 20.22 | 20.04 | 19.94 | | | |
| | | 2505.0 | 19.94 | 20.03 | 19.95 | | | |
| | 25RB_12 | 2565.0 | 20.09 | 20.08 | 20.13 | | | |
| | | 2535.0 | 20.22 | 20.10 | 20.19 | | | |
| | | 2505.0 | 19.78 | 19.92 | 19.98 | | | |
| | 25RB_0 | 2565.0 | 19.83 | 19.80 | 19.95 | | | |
| | | 2535.0 | 20.29 | 20.20 | 20.13 | | | |
| | | 2505.0 | 19.91 | 19.68 | 19.61 | | | |
| | 50RB_0 | 2565.0 | 19.98 | 19.84 | 20.16 | | | |
| | | 2535.0 | 20.08 | 19.86 | 20.06 | | | |
| | | 2505.0 | 19.88 | 20.00 | 19.86 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2562.5 | 19.63 | 20.19 | 20.11 | 20.5 | 20.5 | 20.5 |
| | | 2535.0 | 19.77 | 19.92 | 19.80 | | | |
| | | 2507.5 | 19.68 | 19.96 | 20.15 | | | |
| | 1RB_37 | 2562.5 | 20.26 | 20.31 | 20.33 | | | |
| | | 2535.0 | 20.03 | 20.24 | 20.09 | | | |
| | | 2507.5 | 20.06 | 20.08 | 20.16 | | | |
| | 1RB_0 | 2562.5 | 19.48 | 20.08 | 19.79 | | | |
| | | 2535.0 | 19.58 | 19.83 | 19.69 | | | |
| | | 2507.5 | 19.53 | 19.73 | 19.21 | | | |
| | 36RB_38 | 2562.5 | 19.98 | 20.02 | 20.14 | 20.5 | 20.5 | 20.5 |
| | | 2535.0 | 20.00 | 20.07 | 19.95 | | | |
| | | 2507.5 | 20.19 | 19.89 | 20.02 | | | |
| | 36RB_19 | 2562.5 | 19.86 | 20.07 | 20.21 | | | |
| | | 2535.0 | 19.97 | 20.17 | 20.06 | | | |
| | | 2507.5 | 19.90 | 19.76 | 19.76 | | | |
| | 36RB_0 | 2562.5 | 19.58 | 20.05 | 19.90 | | | |
| | | 2535.0 | 20.20 | 20.16 | 20.27 | | | |
| | | 2507.5 | 19.71 | 19.54 | 19.78 | | | |
| | 75RB_0 | 2562.5 | 20.19 | 20.10 | 20.15 | | | |
| | | 2535.0 | 20.15 | 20.00 | 20.28 | | | |
| | | 2507.5 | 19.92 | 19.82 | 19.91 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2560.0 | 19.80 | 20.21 | 19.99 | 20.5 | 20.5 | 20.5 |
| | | 2535.0 | 19.83 | 20.03 | 19.78 | | | |
| | | 2510.0 | 19.68 | 19.97 | 19.96 | | | |
| | 1RB_50 | 2560.0 | 20.08 | 20.36 | 20.17 | | | |
| | | 2535.0 | **20.10** | 20.39 | 20.29 | | | |
| | | 2510.0 | 19.92 | 20.15 | 20.22 | | | |
| | 1RB_0 | 2560.0 | 19.30 | 19.99 | 19.79 | | | |
| | | 2535.0 | 19.65 | 20.02 | 19.87 | | | |
| | | 2510.0 | 19.53 | 19.78 | 19.34 | | | |
| | 50RB_50 | 2560.0 | 19.85 | 20.06 | 20.06 | 20.5 | 20.5 | 20.5 |
| | | 2535.0 | 20.06 | 20.05 | 20.03 | | | |
| | | 2510.0 | 20.10 | 20.08 | 20.03 | | | |
| | 50RB_25 | 2560.0 | 19.99 | 20.09 | 20.03 | | | |
| | | 2535.0 | 20.09 | 20.08 | 20.01 | | | |
| | | 2510.0 | 19.96 | 19.96 | 19.92 | | | |
| | 50RB_0 | 2560.0 | 19.64 | 19.95 | 19.89 | | | |
| | | 2535.0 | **20.11** | 20.07 | 20.12 | | | |
| | | 2510.0 | 19.71 | 19.73 | 19.68 | | | |
| | 100RB_0 | 2560.0 | 20.05 | 19.98 | 19.97 | | | |
| | | 2535.0 | 20.10 | 20.04 | 20.08 | | | |
| | | 2510.0 | 19.93 | 19.92 | 19.93 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2567.5 | 15.67 | 15.89 | 15.97 | 16.5 | 16.5 | 16.5 |
| | | 2535.0 | 15.69 | 15.90 | 15.91 | | | |
| | | 2502.5 | 15.87 | 15.82 | 15.61 | | | |
| | 1RB_12 | 2567.5 | 16.04 | 15.95 | 16.23 | | | |
| | | 2535.0 | 15.89 | 16.06 | 15.90 | | | |
| | | 2502.5 | 16.01 | 16.15 | 16.03 | | | |
| | 1RB_0 | 2567.5 | 15.68 | 15.61 | 15.54 | | | |
| | | 2535.0 | 15.71 | 15.71 | 15.82 | | | |
| | | 2502.5 | 15.64 | 15.73 | 15.55 | | | |
| | 12RB_13 | 2567.5 | 16.02 | 16.14 | 16.08 | 16.5 | 16.5 | 16.5 |
| | | 2535.0 | 16.11 | 16.13 | 16.01 | | | |
| | | 2502.5 | 16.28 | 16.20 | 15.90 | | | |
| | 12RB_6 | 2567.5 | 16.14 | 16.00 | 16.07 | | | |
| | | 2535.0 | 16.05 | 15.98 | 15.83 | | | |
| | | 2502.5 | 16.01 | 15.79 | 15.86 | | | |
| | 12RB_0 | 2567.5 | 16.02 | 15.95 | 15.85 | | | |
| | | 2535.0 | 16.17 | 16.02 | 15.79 | | | |
| | | 2502.5 | 15.83 | 15.64 | 15.72 | | | |
| | 25RB_0 | 2567.5 | 15.92 | 16.04 | 15.81 | | | |
| | | 2535.0 | 16.14 | 16.19 | 15.99 | | | |
| | | 2502.5 | 15.92 | 15.70 | 15.93 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2565.0 | 15.64 | 15.69 | 15.86 | 16.5 | 16.5 | 16.5 |
| | | 2535.0 | 15.89 | 15.85 | 15.70 | | | |
| | | 2505.0 | 15.86 | 15.73 | 15.88 | | | |
| | 1RB_24 | 2565.0 | 15.83 | 15.87 | 15.96 | | | |
| | | 2535.0 | 15.92 | 15.96 | 16.08 | | | |
| | | 2505.0 | 15.94 | 16.07 | 15.75 | | | |
| | 1RB_0 | 2565.0 | 15.77 | 15.83 | 15.50 | | | |
| | | 2535.0 | 15.47 | 15.77 | 15.86 | | | |
| | | 2505.0 | 15.68 | 15.71 | 15.27 | | | |
| | 25RB_25 | 2565.0 | 16.04 | 15.89 | 15.88 | 16.5 | 16.5 | 16.5 |
| | | 2535.0 | 16.16 | 15.92 | 15.92 | | | |
| | | 2505.0 | 16.32 | 15.81 | 15.75 | | | |
| | 25RB_12 | 2565.0 | 16.13 | 15.89 | 16.08 | | | |
| | | 2535.0 | 15.99 | 15.97 | 16.07 | | | |
| | | 2505.0 | 16.07 | 15.98 | 15.98 | | | |
| | 25RB_0 | 2565.0 | 15.94 | 16.01 | 15.68 | | | |
| | | 2535.0 | 16.10 | 16.18 | 15.89 | | | |
| | | 2505.0 | 15.96 | 15.48 | 15.40 | | | |
| | 50RB_0 | 2565.0 | 15.82 | 16.10 | 15.66 | | | |
| | | 2535.0 | 15.93 | 15.93 | 16.09 | | | |
| | | 2505.0 | 15.92 | 15.97 | 15.73 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2562.5 | 15.71 | 15.71 | 15.91 | 16.5 | 16.5 | 16.5 |
| | | 2535.0 | 15.79 | 15.77 | 15.95 | | | |
| | | 2507.5 | 15.82 | 15.96 | 15.89 | | | |
| | 1RB_37 | 2562.5 | 16.19 | 15.83 | 16.09 | | | |
| | | 2535.0 | 15.86 | 16.15 | 15.98 | | | |
| | | 2507.5 | 15.85 | 16.07 | 15.95 | | | |
| | 1RB_0 | 2562.5 | 15.46 | 15.61 | 15.69 | | | |
| | | 2535.0 | 15.63 | 15.60 | 15.47 | | | |
| | | 2507.5 | 15.71 | 15.48 | 15.31 | | | |
| | 36RB_38 | 2562.5 | 16.11 | 15.94 | 15.89 | 16.5 | 16.5 | 16.5 |
| | | 2535.0 | 16.07 | 16.22 | 15.78 | | | |
| | | 2507.5 | 16.31 | 15.90 | 16.03 | | | |
| | 36RB_19 | 2562.5 | 16.22 | 15.91 | 15.77 | | | |
| | | 2535.0 | 16.17 | 16.12 | 15.81 | | | |
| | | 2507.5 | 16.09 | 15.91 | 15.94 | | | |
| | 36RB_0 | 2562.5 | 16.06 | 15.78 | 15.78 | | | |
| | | 2535.0 | 16.09 | 15.99 | 15.90 | | | |
| | | 2507.5 | 15.93 | 15.48 | 15.76 | | | |
| | 75RB_0 | 2562.5 | 16.05 | 15.84 | 16.04 | | | |
| | | 2535.0 | 15.97 | 16.01 | 16.04 | | | |
| | | 2507.5 | 16.21 | 15.94 | 15.76 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2560.0 | 15.82 | 15.83 | 15.87 | 16.5 | 16.5 | 16.5 |
| | | 2535.0 | 15.77 | 15.88 | 15.84 | | | |
| | | 2510.0 | 15.74 | 15.80 | 15.69 | | | |
| | 1RB_50 | 2560.0 | **16.02** | 16.01 | 16.09 | | | |
| | | 2535.0 | 15.99 | 16.12 | 16.05 | | | |
| | | 2510.0 | 15.90 | 16.00 | 15.88 | | | |
| | 1RB_0 | 2560.0 | 15.59 | 15.64 | 15.68 | | | |
| | | 2535.0 | 15.60 | 15.70 | 15.66 | | | |
| | | 2510.0 | 15.52 | 15.58 | 15.46 | | | |
| | 50RB_50 | 2560.0 | 16.08 | 16.01 | 15.92 | 16.5 | 16.5 | 16.5 |
| | | 2535.0 | 16.03 | 16.02 | 15.95 | | | |
| | | 2510.0 | **16.13** | 16.01 | 15.94 | | | |
| | 50RB_25 | 2560.0 | 16.08 | 16.03 | 15.94 | | | |
| | | 2535.0 | 16.07 | 16.03 | 15.94 | | | |
| | | 2510.0 | 15.97 | 15.86 | 15.78 | | | |
| | 50RB_0 | 2560.0 | 15.94 | 15.87 | 15.79 | | | |
| | | 2535.0 | 16.10 | 16.05 | 15.99 | | | |
| | | 2510.0 | 15.78 | 15.65 | 15.59 | | | |
| | 100RB_0 | 2560.0 | 16.00 | 15.91 | 15.85 | | | |
| | | 2535.0 | 16.08 | 16.00 | 15.94 | | | |
| | | 2510.0 | 16.02 | 15.89 | 15.86 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2567.5 | 22.35 | 21.67 | 20.45 | 23.5 | 22.5 | 21.5 |
| | | 2535.0 | 22.14 | 21.77 | 20.63 | | | |
| | | 2502.5 | 22.12 | 21.46 | 20.44 | | | |
| | 1RB_12 | 2567.5 | 22.36 | 21.99 | 20.95 | | | |
| | | 2535.0 | 22.65 | 21.63 | 20.65 | | | |
| | | 2502.5 | 22.29 | 21.58 | 20.62 | | | |
| | 1RB_0 | 2567.5 | 22.23 | 21.44 | 20.41 | | | |
| | | 2535.0 | 22.04 | 21.49 | 20.51 | | | |
| | | 2502.5 | 22.09 | 21.19 | 20.36 | | | |
| | 12RB_13 | 2567.5 | 21.52 | 20.53 | 19.69 | 22.5 | 21.5 | 20.5 |
| | | 2535.0 | 21.49 | 20.41 | 19.33 | | | |
| | | 2502.5 | 21.45 | 20.38 | 19.57 | | | |
| | 12RB_6 | 2567.5 | 21.47 | 20.55 | 19.79 | | | |
| | | 2535.0 | 21.36 | 20.56 | 19.61 | | | |
| | | 2502.5 | 21.50 | 20.48 | 19.50 | | | |
| | 12RB_0 | 2567.5 | 21.59 | 20.54 | 19.65 | | | |
| | | 2535.0 | 21.50 | 20.27 | 19.83 | | | |
| | | 2502.5 | 21.18 | 20.10 | 19.17 | | | |
| | 25RB_0 | 2567.5 | 21.64 | 20.33 | 19.31 | | | |
| | | 2535.0 | 21.58 | 20.29 | 19.54 | | | |
| | | 2502.5 | 21.25 | 20.40 | 19.53 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2565.0 | 22.41 | 21.58 | 20.46 | 23.5 | 22.5 | 21.5 |
| | | 2535.0 | 22.30 | 21.73 | 20.54 | | | |
| | | 2505.0 | 22.08 | 21.65 | 20.36 | | | |
| | 1RB_24 | 2565.0 | 22.38 | 21.82 | 20.65 | | | |
| | | 2535.0 | 22.50 | 21.64 | 20.83 | | | |
| | | 2505.0 | 22.39 | 21.60 | 20.77 | | | |
| | 1RB_0 | 2565.0 | 22.31 | 21.46 | 20.39 | | | |
| | | 2535.0 | 22.09 | 21.41 | 20.40 | | | |
| | | 2505.0 | 22.18 | 21.32 | 20.29 | | | |
| | 25RB_25 | 2565.0 | 21.57 | 20.63 | 19.40 | 22.5 | 21.5 | 20.5 |
| | | 2535.0 | 21.41 | 20.33 | 19.55 | | | |
| | | 2505.0 | 21.36 | 20.59 | 19.27 | | | |
| | 25RB_12 | 2565.0 | 21.68 | 20.34 | 19.94 | | | |
| | | 2535.0 | 21.67 | 20.69 | 19.68 | | | |
| | | 2505.0 | 21.56 | 20.36 | 19.41 | | | |
| | 25RB_0 | 2565.0 | 21.40 | 20.43 | 19.37 | | | |
| | | 2535.0 | 21.54 | 20.49 | 19.98 | | | |
| | | 2505.0 | 21.33 | 20.18 | 19.27 | | | |
| | 50RB_0 | 2565.0 | 21.64 | 20.40 | 19.62 | | | |
| | | 2535.0 | 21.51 | 20.61 | 19.62 | | | |
| | | 2505.0 | 21.45 | 20.21 | 19.60 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2562.5 | 22.23 | 21.56 | 20.51 | 23.5 | 22.5 | 21.5 |
| | | 2535.0 | 22.44 | 21.44 | 20.49 | | | |
| | | 2507.5 | 22.10 | 21.74 | 20.58 | | | |
| | 1RB_37 | 2562.5 | 22.69 | 21.98 | 20.68 | | | |
| | | 2535.0 | 22.29 | 21.93 | 20.59 | | | |
| | | 2507.5 | 22.46 | 21.79 | 20.54 | | | |
| | 1RB_0 | 2562.5 | 22.22 | 21.24 | 20.27 | | | |
| | | 2535.0 | 22.15 | 21.30 | 20.33 | | | |
| | | 2507.5 | 22.11 | 21.16 | 20.20 | | | |
| | 36RB_38 | 2562.5 | 21.51 | 20.41 | 19.48 | 22.5 | 21.5 | 20.5 |
| | | 2535.0 | 21.26 | 20.60 | 19.44 | | | |
| | | 2507.5 | 21.35 | 20.49 | 19.26 | | | |
| | 36RB_19 | 2562.5 | 21.62 | 20.38 | 19.67 | | | |
| | | 2535.0 | 21.47 | 20.33 | 19.74 | | | |
| | | 2507.5 | 21.52 | 20.20 | 19.65 | | | |
| | 36RB_0 | 2562.5 | 21.31 | 20.61 | 19.64 | | | |
| | | 2535.0 | 21.59 | 20.29 | 19.90 | | | |
| | | 2507.5 | 21.14 | 20.14 | 19.31 | | | |
| | 75RB_0 | 2562.5 | 21.44 | 20.26 | 19.61 | | | |
| | | 2535.0 | 21.30 | 20.26 | 19.67 | | | |
| | | 2507.5 | 21.40 | 20.30 | 19.35 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2560.0 | 22.34 | 21.63 | 20.54 | 23.5 | 22.5 | 21.5 |
| | | 2535.0 | 22.26 | 21.57 | 20.48 | | | |
| | | 2510.0 | 22.21 | 21.57 | 20.42 | | | |
| | 1RB_50 | 2560.0 | **22.56** | 21.85 | 20.75 | | | |
| | | 2535.0 | 22.49 | 21.83 | 20.75 | | | |
| | | 2510.0 | 22.40 | 21.65 | 20.57 | | | |
| | 1RB_0 | 2560.0 | 22.14 | 21.43 | 20.30 | | | |
| | | 2535.0 | 22.08 | 21.43 | 20.31 | | | |
| | | 2510.0 | 22.09 | 21.26 | 20.22 | | | |
| | 50RB_50 | 2560.0 | 21.52 | 20.52 | 19.57 | 22.5 | 21.5 | 20.5 |
| | | 2535.0 | 21.45 | 20.47 | 19.45 | | | |
| | | 2510.0 | 21.43 | 20.45 | 19.45 | | | |
| | 50RB_25 | 2560.0 | **21.59** | 20.54 | 19.81 | | | |
| | | 2535.0 | 21.48 | 20.50 | 19.58 | | | |
| | | 2510.0 | 21.38 | 20.39 | 19.55 | | | |
| | 50RB_0 | 2560.0 | 21.43 | 20.42 | 19.57 | | | |
| | | 2535.0 | 21.46 | 20.45 | 19.87 | | | |
| | | 2510.0 | 21.22 | 20.21 | 19.30 | | | |
| | 100RB_0 | 2560.0 | 21.50 | 20.44 | 19.48 | | | |
| | | 2535.0 | 21.47 | 20.44 | 19.60 | | | |
| | | 2510.0 | 21.39 | 20.36 | 19.53 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2567.5 | 20.14 | 20.14 | 20.44 | 21.0 | 21.0 | 21.0 |
| | | 2535.0 | 20.17 | 20.08 | 20.29 | | | |
| | | 2502.5 | 20.09 | 20.23 | 20.26 | | | |
| | 1RB_12 | 2567.5 | 20.11 | 20.43 | 20.40 | | | |
| | | 2535.0 | 20.21 | 20.19 | 20.54 | | | |
| | | 2502.5 | 20.48 | 20.15 | 20.50 | | | |
| | 1RB_0 | 2567.5 | 20.13 | 20.11 | 20.18 | | | |
| | | 2535.0 | 20.24 | 20.00 | 20.18 | | | |
| | | 2502.5 | 20.14 | 20.19 | 20.30 | | | |
| | 12RB_13 | 2567.5 | 20.50 | 20.08 | 20.04 | 21.0 | 21.0 | 20.5 |
| | | 2535.0 | 20.45 | 20.05 | 19.75 | | | |
| | | 2502.5 | 20.30 | 20.05 | 19.58 | | | |
| | 12RB_6 | 2567.5 | 20.12 | 20.21 | 19.75 | | | |
| | | 2535.0 | 20.34 | 20.16 | 19.82 | | | |
| | | 2502.5 | 20.21 | 20.16 | 19.59 | | | |
| | 12RB_0 | 2567.5 | 20.16 | 20.20 | 19.95 | | | |
| | | 2535.0 | 20.21 | 20.13 | 19.66 | | | |
| | | 2502.5 | 20.13 | 20.19 | 19.65 | | | |
| | 25RB_0 | 2567.5 | 20.32 | 20.21 | 19.98 | | | |
| | | 2535.0 | 20.41 | 20.23 | 19.79 | | | |
| | | 2502.5 | 20.31 | 20.20 | 19.53 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2565.0 | 20.16 | 20.21 | 20.40 | 21.0 | 21.0 | 21.0 |
| | | 2535.0 | 20.16 | 20.17 | 20.08 | | | |
| | | 2505.0 | 20.09 | 20.24 | 20.39 | | | |
| | 1RB_24 | 2565.0 | 20.05 | 20.29 | 20.87 | | | |
| | | 2535.0 | 20.29 | 20.07 | 20.60 | | | |
| | | 2505.0 | 20.24 | 20.00 | 20.17 | | | |
| | 1RB_0 | 2565.0 | 20.21 | 20.03 | 20.06 | | | |
| | | 2535.0 | 20.19 | 20.04 | 20.00 | | | |
| | | 2505.0 | 20.05 | 20.19 | 20.03 | | | |
| | 25RB_25 | 2565.0 | 20.16 | 20.23 | 19.67 | 21.0 | 21.0 | 20.5 |
| | | 2535.0 | 20.31 | 20.12 | 19.78 | | | |
| | | 2505.0 | 20.41 | 20.02 | 19.73 | | | |
| | 25RB_12 | 2565.0 | 20.01 | 20.15 | 19.90 | | | |
| | | 2535.0 | 20.57 | 20.10 | 19.81 | | | |
| | | 2505.0 | 20.29 | 20.11 | 19.58 | | | |
| | 25RB_0 | 2565.0 | 20.09 | 20.13 | 19.72 | | | |
| | | 2535.0 | 20.41 | 20.03 | 19.64 | | | |
| | | 2505.0 | 20.10 | 20.29 | 19.38 | | | |
| | 50RB_0 | 2565.0 | 20.35 | 20.10 | 19.76 | | | |
| | | 2535.0 | 20.31 | 20.11 | 19.85 | | | |
| | | 2505.0 | 20.24 | 20.37 | 19.86 | | | |

| Ant.0 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2562.5 | 20.06 | 20.25 | 20.48 | 21.0 | 21.0 | 21.0 |
| | | 2535.0 | 20.07 | 20.24 | 20.27 | | | |
| | | 2507.5 | 20.14 | 20.20 | 20.43 | | | |
| | 1RB_37 | 2562.5 | 20.07 | 20.68 | 20.84 | | | |
| | | 2535.0 | 20.27 | 20.24 | 20.67 | | | |
| | | 2507.5 | 20.35 | 20.11 | 20.12 | | | |
| | 1RB_0 | 2562.5 | 20.22 | 20.09 | 20.18 | | | |
| | | 2535.0 | 20.00 | 20.04 | 20.09 | | | |
| | | 2507.5 | 20.34 | 20.08 | 20.23 | | | |
| | 36RB_38 | 2562.5 | 20.37 | 20.21 | 19.75 | 21.0 | 21.0 | 20.5 |
| | | 2535.0 | 20.55 | 20.07 | 19.71 | | | |
| | | 2507.5 | 20.58 | 20.13 | 19.54 | | | |
| | 36RB_19 | 2562.5 | 20.10 | 20.27 | 19.92 | | | |
| | | 2535.0 | 20.49 | 20.01 | 19.92 | | | |
| | | 2507.5 | 20.39 | 20.11 | 19.73 | | | |
| | 36RB_0 | 2562.5 | 20.27 | 20.00 | 19.73 | | | |
| | | 2535.0 | 20.42 | 20.10 | 19.76 | | | |
| | | 2507.5 | 20.03 | 20.34 | 19.53 | | | |
| | 75RB_0 | 2562.5 | 20.17 | 20.04 | 19.77 | | | |
| | | 2535.0 | 20.48 | 20.30 | 19.67 | | | |
| | | 2507.5 | 20.20 | 20.07 | 19.71 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 7 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2560.0 | 20.03 | 20.07 | 20.40 | 21.0 | 21.0 | 21.0 |
| | | 2535.0 | 20.24 | 20.00 | 20.10 | | | |
| | | 2510.0 | 20.21 | 20.12 | 20.34 | | | |
| | 1RB_50 | 2560.0 | 20.24 | 20.49 | 20.37 | | | |
| | | 2535.0 | **20.31** | 20.18 | 20.56 | | | |
| | | 2510.0 | 20.29 | 20.04 | 20.30 | | | |
| | 1RB_0 | 2560.0 | 20.06 | 20.11 | 20.06 | | | |
| | | 2535.0 | 20.15 | 20.18 | 20.29 | | | |
| | | 2510.0 | 20.11 | 20.30 | 20.13 | | | |
| | 50RB_50 | 2560.0 | 20.31 | 20.04 | 19.85 | 21.0 | 21.0 | 20.5 |
| | | 2535.0 | 20.39 | 20.13 | 19.71 | | | |
| | | 2510.0 | **20.41** | 20.29 | 19.65 | | | |
| | 50RB_25 | 2560.0 | 20.11 | 20.20 | 19.93 | | | |
| | | 2535.0 | 20.39 | 20.03 | 19.92 | | | |
| | | 2510.0 | 20.31 | 20.15 | 19.74 | | | |
| | 50RB_0 | 2560.0 | 20.08 | 20.17 | 19.82 | | | |
| | | 2535.0 | 20.35 | 20.11 | 19.84 | | | |
| | | 2510.0 | 20.07 | 20.24 | 19.58 | | | |
| | 100RB_0 | 2560.0 | 20.17 | 20.17 | 19.95 | | | |
| | | 2535.0 | 20.28 | 20.04 | 19.87 | | | |
| | | 2510.0 | 20.17 | 20.08 | 19.72 | | | |

| Ant.1 - Power Level A1/A2/B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 13 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 784.5 | 23.61 | 22.35 | 21.94 | 24.5 | 23.5 | 22.5 |
| | | 782.0 | 23.51 | 22.62 | 21.86 | | | |
| | | 779.5 | 23.35 | 22.54 | 21.76 | | | |
| | 1RB_12 | 784.5 | 23.34 | 22.33 | 21.53 | | | |
| | | 782.0 | 23.55 | 22.46 | 21.27 | | | |
| | | 779.5 | 23.52 | 22.41 | 21.59 | | | |
| | 1RB_0 | 784.5 | 23.14 | 22.51 | 21.23 | | | |
| | | 782.0 | 23.28 | 22.55 | 21.34 | | | |
| | | 779.5 | 23.43 | 22.46 | 21.30 | | | |
| | 12RB_13 | 784.5 | 22.19 | 21.01 | 20.27 | 23.5 | 22.5 | 21.5 |
| | | 782.0 | 22.30 | 21.18 | 20.22 | | | |
| | | 779.5 | 22.24 | 21.15 | 20.09 | | | |
| | 12RB_6 | 784.5 | 22.18 | 21.02 | 20.08 | | | |
| | | 782.0 | 22.01 | 21.11 | 20.23 | | | |
| | | 779.5 | 22.27 | 21.29 | 20.17 | | | |
| | 12RB_0 | 784.5 | 22.36 | 21.23 | 20.16 | | | |
| | | 782.0 | 22.26 | 21.16 | 20.02 | | | |
| | | 779.5 | 22.11 | 21.18 | 20.03 | | | |
| | 25RB_0 | 784.5 | 22.29 | 21.20 | 20.07 | | | |
| | | 782.0 | 22.39 | 21.12 | 20.12 | | | |
| | | 779.5 | 22.07 | 21.01 | 20.11 | | | |

| Ant.1 - Power Level A1/A2/B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **LTE Band 13** | | | Actual output Power (dBm) | | | **Tune up** | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 782.0 | **23.54** | 22.46 | 21.84 | **24.5** | **23.5** | **22.5** |
| | 1RB_24 | 782.0 | 23.42 | 22.40 | 21.41 | | | |
| | 1RB_0 | 782.0 | 22.95 | 22.38 | 21.24 | | | |
| | 25RB_25 | 782.0 | **22.12** | 21.20 | 20.15 | **23.5** | **22.5** | **21.5** |
| | 25RB_12 | 782.0 | 22.03 | 21.11 | 20.11 | | | |
| | 25RB_0 | 782.0 | 22.03 | 21.10 | 20.07 | | | |
| | 50RB_0 | 782.0 | 22.11 | 21.14 | 20.12 | | | |

| Ant.0 - Power Level A1/A2/B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 13 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 784.5 | 23.11 | 22.40 | 21.41 | 24.5 | 23.5 | 22.5 |
| | | 782.0 | 23.08 | 22.29 | 21.20 | | | |
| | | 779.5 | 23.09 | 22.53 | 21.12 | | | |
| | 1RB_12 | 784.5 | 23.11 | 22.06 | 21.27 | | | |
| | | 782.0 | 23.30 | 22.34 | 21.13 | | | |
| | | 779.5 | 23.14 | 22.08 | 21.16 | | | |
| | 1RB_0 | 784.5 | 23.19 | 22.06 | 21.21 | | | |
| | | 782.0 | 23.21 | 22.15 | 21.29 | | | |
| | | 779.5 | 23.10 | 22.02 | 21.04 | | | |
| | 12RB_13 | 784.5 | 22.08 | 21.08 | 19.92 | 23.5 | 22.5 | 21.5 |
| | | 782.0 | 22.21 | 21.03 | 19.83 | | | |
| | | 779.5 | 22.15 | 21.11 | 19.78 | | | |
| | 12RB_6 | 784.5 | 22.00 | 21.05 | 19.98 | | | |
| | | 782.0 | 22.07 | 21.09 | 19.84 | | | |
| | | 779.5 | 22.02 | 21.17 | 19.75 | | | |
| | 12RB_0 | 784.5 | 22.15 | 21.10 | 19.96 | | | |
| | | 782.0 | 22.17 | 21.24 | 19.80 | | | |
| | | 779.5 | 22.06 | 21.04 | 19.76 | | | |
| | 25RB_0 | 784.5 | 22.24 | 21.23 | 19.92 | | | |
| | | 782.0 | 22.14 | 21.18 | 19.94 | | | |
| | | 779.5 | 22.21 | 21.06 | 19.87 | | | |

| Ant.0 - Power Level A1/A2/B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **LTE Band 13** | | | Actual output Power (dBm) | | | **Tune up** | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 782.0 | **22.96** | 22.34 | 21.30 | **24.5** | **23.5** | **22.5** |
| | 1RB_24 | 782.0 | 22.84 | 22.26 | 21.27 | | | |
| | 1RB_0 | 782.0 | 22.83 | 22.14 | 21.17 | | | |
| | 25RB_25 | 782.0 | **22.02** | 21.02 | 19.87 | **23.5** | **22.5** | **21.5** |
| | 25RB_12 | 782.0 | 21.92 | 21.08 | 19.94 | | | |
| | 25RB_0 | 782.0 | 21.90 | 21.11 | 19.90 | | | |
| | 50RB_0 | 782.0 | 21.98 | 21.05 | 19.97 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2617.5 | 19.26 | 19.23 | 18.87 | 20.0 | 20.0 | 20.0 |
| | | 2595.0 | 19.35 | 19.27 | 18.99 | | | |
| | | 2572.5 | 19.30 | 19.37 | 18.91 | | | |
| | 1RB_12 | 2617.5 | 19.36 | 19.76 | 19.21 | | | |
| | | 2595.0 | 19.57 | 19.58 | 19.41 | | | |
| | | 2572.5 | 19.68 | 19.60 | 19.15 | | | |
| | 1RB_0 | 2617.5 | 19.17 | 19.19 | 19.20 | | | |
| | | 2595.0 | 19.10 | 19.17 | 19.18 | | | |
| | | 2572.5 | 19.35 | 19.12 | 18.77 | | | |
| | 12RB_13 | 2617.5 | 19.41 | 19.53 | 19.38 | 20.0 | 20.0 | 20.0 |
| | | 2595.0 | 19.33 | 19.29 | 19.29 | | | |
| | | 2572.5 | 19.37 | 19.57 | 19.34 | | | |
| | 12RB_6 | 2617.5 | 19.26 | 19.52 | 19.36 | | | |
| | | 2595.0 | 19.25 | 19.53 | 19.34 | | | |
| | | 2572.5 | 19.47 | 19.42 | 19.63 | | | |
| | 12RB_0 | 2617.5 | 19.47 | 19.28 | 19.44 | | | |
| | | 2595.0 | 19.51 | 19.63 | 19.40 | | | |
| | | 2572.5 | 19.36 | 19.32 | 19.33 | | | |
| | 25RB_0 | 2617.5 | 19.40 | 19.53 | 19.38 | | | |
| | | 2595.0 | 19.51 | 19.53 | 19.40 | | | |
| | | 2572.5 | 19.37 | 19.32 | 19.42 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2615.0 | 19.33 | 19.16 | 18.80 | 20.0 | 20.0 | 20.0 |
| | | 2595.0 | 19.21 | 19.08 | 18.77 | | | |
| | | 2575.0 | 19.12 | 19.40 | 18.82 | | | |
| | 1RB_24 | 2615.0 | 19.62 | 19.75 | 19.16 | | | |
| | | 2595.0 | 19.61 | 19.42 | 19.39 | | | |
| | | 2575.0 | 19.66 | 19.50 | 19.29 | | | |
| | 1RB_0 | 2615.0 | 19.32 | 19.49 | 18.82 | | | |
| | | 2595.0 | 19.20 | 19.16 | 18.88 | | | |
| | | 2575.0 | 19.06 | 19.44 | 18.94 | | | |
| | 25RB_25 | 2615.0 | 19.43 | 19.41 | 19.34 | 20.0 | 20.0 | 20.0 |
| | | 2595.0 | 19.36 | 19.28 | 19.46 | | | |
| | | 2575.0 | 19.47 | 19.32 | 19.39 | | | |
| | 25RB_12 | 2615.0 | 19.56 | 19.41 | 19.51 | | | |
| | | 2595.0 | 19.48 | 19.56 | 19.35 | | | |
| | | 2575.0 | 19.58 | 19.47 | 19.38 | | | |
| | 25RB_0 | 2615.0 | 19.32 | 19.41 | 19.37 | | | |
| | | 2595.0 | 19.42 | 19.50 | 19.30 | | | |
| | | 2575.0 | 19.61 | 19.47 | 19.27 | | | |
| | 50RB_0 | 2615.0 | 19.60 | 19.30 | 19.35 | | | |
| | | 2595.0 | 19.28 | 19.46 | 19.37 | | | |
| | | 2575.0 | 19.33 | 19.60 | 19.47 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2612.5 | 19.24 | 19.41 | 19.09 | 20.0 | 20.0 | 20.0 |
| | | 2595.0 | 19.15 | 19.27 | 18.93 | | | |
| | | 2577.5 | 19.35 | 19.36 | 18.86 | | | |
| | 1RB_37 | 2612.5 | 19.41 | 19.49 | 19.31 | | | |
| | | 2595.0 | 19.65 | 19.71 | 19.43 | | | |
| | | 2577.5 | 19.59 | 19.55 | 19.30 | | | |
| | 1RB_0 | 2612.5 | 19.13 | 19.40 | 19.01 | | | |
| | | 2595.0 | 19.13 | 19.38 | 18.79 | | | |
| | | 2577.5 | 19.05 | 19.14 | 18.92 | | | |
| | 36RB_38 | 2612.5 | 19.30 | 19.31 | 19.23 | 20.0 | 20.0 | 20.0 |
| | | 2595.0 | 19.46 | 19.19 | 19.21 | | | |
| | | 2577.5 | 19.56 | 19.52 | 19.55 | | | |
| | 36RB_19 | 2612.5 | 19.33 | 19.23 | 19.48 | | | |
| | | 2595.0 | 19.17 | 19.54 | 19.34 | | | |
| | | 2577.5 | 19.40 | 19.30 | 19.67 | | | |
| | 36RB_0 | 2612.5 | 19.56 | 19.31 | 19.22 | | | |
| | | 2595.0 | 19.33 | 19.65 | 19.26 | | | |
| | | 2577.5 | 19.49 | 19.63 | 19.36 | | | |
| | 75RB_0 | 2612.5 | 19.24 | 19.39 | 19.47 | | | |
| | | 2595.0 | 19.44 | 19.54 | 19.30 | | | |
| | | 2577.5 | 19.52 | 19.52 | 19.22 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2610.0 | 19.24 | 19.30 | 18.99 | 20.0 | 20.0 | 20.0 |
| | | 2595.0 | 19.20 | 19.24 | 18.95 | | | |
| | | 2580.0 | 19.22 | 19.29 | 19.02 | | | |
| | 1RB_50 | 2610.0 | **19.55** | 19.57 | 19.25 | | | |
| | | 2595.0 | 19.49 | 19.59 | 19.35 | | | |
| | | 2580.0 | 19.50 | 19.55 | 19.29 | | | |
| | 1RB_0 | 2610.0 | 19.25 | 19.30 | 19.00 | | | |
| | | 2595.0 | 19.19 | 19.28 | 18.99 | | | |
| | | 2580.0 | 19.18 | 19.25 | 18.94 | | | |
| | 50RB_50 | 2610.0 | 19.40 | 19.35 | 19.34 | 20.0 | 20.0 | 20.0 |
| | | 2595.0 | 19.36 | 19.39 | 19.36 | | | |
| | | 2580.0 | 19.36 | 19.39 | 19.39 | | | |
| | 50RB_25 | 2610.0 | 19.38 | 19.36 | 19.37 | | | |
| | | 2595.0 | 19.37 | 19.40 | 19.38 | | | |
| | | 2580.0 | 19.45 | 19.49 | 19.47 | | | |
| | 50RB_0 | 2610.0 | 19.40 | 19.38 | 19.35 | | | |
| | | 2595.0 | **19.48** | 19.46 | 19.45 | | | |
| | | 2580.0 | 19.43 | 19.48 | 19.41 | | | |
| | 100RB_0 | 2610.0 | 19.44 | 19.41 | 19.39 | | | |
| | | 2595.0 | 19.44 | 19.43 | 19.39 | | | |
| | | 2580.0 | 19.40 | 19.52 | 19.41 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2617.5 | 21.20 | 21.40 | 21.40 | 22.0 | 22.0 | 22.0 |
| | | 2595.0 | 21.33 | 21.19 | 21.18 | | | |
| | | 2572.5 | 21.22 | 21.40 | 21.24 | | | |
| | 1RB_12 | 2617.5 | 21.45 | 21.43 | 21.40 | | | |
| | | 2595.0 | 21.40 | 21.50 | 21.46 | | | |
| | | 2572.5 | 21.35 | 21.58 | 21.57 | | | |
| | 1RB_0 | 2617.5 | 21.13 | 21.28 | 21.21 | | | |
| | | 2595.0 | 21.23 | 21.36 | 21.46 | | | |
| | | 2572.5 | 21.30 | 21.10 | 21.42 | | | |
| | 12RB_13 | 2617.5 | 21.39 | 21.19 | 20.24 | 22.0 | 22.0 | 21.0 |
| | | 2595.0 | 21.42 | 21.50 | 20.29 | | | |
| | | 2572.5 | 21.11 | 21.21 | 20.43 | | | |
| | 12RB_6 | 2617.5 | 21.32 | 21.49 | 20.29 | | | |
| | | 2595.0 | 21.36 | 21.48 | 20.29 | | | |
| | | 2572.5 | 21.51 | 21.22 | 20.55 | | | |
| | 12RB_0 | 2617.5 | 21.27 | 21.55 | 20.21 | | | |
| | | 2595.0 | 21.19 | 21.56 | 20.22 | | | |
| | | 2572.5 | 21.19 | 21.55 | 20.51 | | | |
| | 25RB_0 | 2617.5 | 21.41 | 21.30 | 20.31 | | | |
| | | 2595.0 | 21.54 | 21.57 | 20.56 | | | |
| | | 2572.5 | 21.21 | 21.47 | 20.22 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2615.0 | 21.24 | 21.27 | 21.34 | 22.0 | 22.0 | 22.0 |
| | | 2595.0 | 21.17 | 21.21 | 21.40 | | | |
| | | 2575.0 | 21.02 | 21.44 | 21.47 | | | |
| | 1RB_24 | 2615.0 | 21.51 | 21.55 | 21.56 | | | |
| | | 2595.0 | 21.44 | 21.49 | 21.42 | | | |
| | | 2575.0 | 21.32 | 21.42 | 21.45 | | | |
| | 1RB_0 | 2615.0 | 21.41 | 21.20 | 21.29 | | | |
| | | 2595.0 | 21.35 | 21.24 | 21.30 | | | |
| | | 2575.0 | 21.03 | 21.38 | 21.14 | | | |
| | 25RB_25 | 2615.0 | 21.19 | 21.25 | 20.13 | 22.0 | 22.0 | 21.0 |
| | | 2595.0 | 21.42 | 21.56 | 20.34 | | | |
| | | 2575.0 | 21.51 | 21.36 | 20.31 | | | |
| | 25RB_12 | 2615.0 | 21.44 | 21.44 | 20.20 | | | |
| | | 2595.0 | 21.41 | 21.42 | 20.54 | | | |
| | | 2575.0 | 21.39 | 21.38 | 20.35 | | | |
| | 25RB_0 | 2615.0 | 21.34 | 21.25 | 20.50 | | | |
| | | 2595.0 | 21.42 | 21.26 | 20.55 | | | |
| | | 2575.0 | 21.40 | 21.31 | 20.51 | | | |
| | 50RB_0 | 2615.0 | 21.49 | 21.38 | 20.36 | | | |
| | | 2595.0 | 21.49 | 21.58 | 20.50 | | | |
| | | 2575.0 | 21.24 | 21.19 | 20.57 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2612.5 | 21.33 | 21.34 | 21.21 | 22.0 | 22.0 | 22.0 |
| | | 2595.0 | 21.10 | 21.21 | 21.27 | | | |
| | | 2577.5 | 21.33 | 21.10 | 21.43 | | | |
| | 1RB_37 | 2612.5 | 21.47 | 21.54 | 21.52 | | | |
| | | 2595.0 | 21.56 | 21.57 | 21.59 | | | |
| | | 2577.5 | 21.54 | 21.59 | 21.56 | | | |
| | 1RB_0 | 2612.5 | 21.16 | 21.12 | 21.50 | | | |
| | | 2595.0 | 21.12 | 21.36 | 21.53 | | | |
| | | 2577.5 | 21.16 | 21.28 | 21.38 | | | |
| | 36RB_38 | 2612.5 | 21.54 | 21.40 | 20.16 | 22.0 | 22.0 | 21.0 |
| | | 2595.0 | 21.24 | 21.26 | 20.42 | | | |
| | | 2577.5 | 21.46 | 21.19 | 20.25 | | | |
| | 36RB_19 | 2612.5 | 21.18 | 21.21 | 20.43 | | | |
| | | 2595.0 | 21.29 | 21.35 | 20.32 | | | |
| | | 2577.5 | 21.48 | 21.46 | 20.43 | | | |
| | 36RB_0 | 2612.5 | 21.30 | 21.31 | 20.51 | | | |
| | | 2595.0 | 21.36 | 21.48 | 20.31 | | | |
| | | 2577.5 | 21.17 | 21.27 | 20.51 | | | |
| | 75RB_0 | 2612.5 | 21.49 | 21.55 | 20.45 | | | |
| | | 2595.0 | 21.30 | 21.51 | 20.53 | | | |
| | | 2577.5 | 21.55 | 21.49 | 20.32 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2610.0 | 21.26 | 21.26 | 21.40 | 22.0 | 22.0 | 22.0 |
| | | 2595.0 | 21.19 | 21.26 | 21.33 | | | |
| | | 2580.0 | 21.17 | 21.26 | 21.38 | | | |
| | 1RB_50 | 2610.0 | 21.48 | 21.55 | 21.52 | | | |
| | | 2595.0 | **21.55** | 21.55 | 21.48 | | | |
| | | 2580.0 | 21.47 | 21.58 | 21.57 | | | |
| | 1RB_0 | 2610.0 | 21.22 | 21.29 | 21.41 | | | |
| | | 2595.0 | 21.22 | 21.29 | 21.38 | | | |
| | | 2580.0 | 21.16 | 21.24 | 21.32 | | | |
| | 50RB_50 | 2610.0 | 21.34 | 21.39 | 20.32 | 22.0 | 22.0 | 21.0 |
| | | 2595.0 | 21.33 | 21.38 | 20.35 | | | |
| | | 2580.0 | 21.31 | 21.33 | 20.32 | | | |
| | 50RB_25 | 2610.0 | 21.30 | 21.32 | 20.37 | | | |
| | | 2595.0 | 21.32 | 21.35 | 20.37 | | | |
| | | 2580.0 | 21.33 | 21.38 | 20.41 | | | |
| | 50RB_0 | 2610.0 | 21.35 | 21.40 | 20.38 | | | |
| | | 2595.0 | **21.39** | 21.39 | 20.39 | | | |
| | | 2580.0 | 21.34 | 21.37 | 20.39 | | | |
| | 100RB_0 | 2610.0 | 21.41 | 21.46 | 20.40 | | | |
| | | 2595.0 | 21.37 | 21.41 | 20.43 | | | |
| | | 2580.0 | 21.41 | 21.38 | 20.42 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2617.5 | 18.08 | 18.08 | 18.14 | 19.0 | 19.0 | 19.0 |
| | | 2595.0 | 18.06 | 18.02 | 18.09 | | | |
| | | 2572.5 | 18.11 | 18.38 | 18.02 | | | |
| | 1RB_12 | 2617.5 | 18.42 | 18.31 | 18.21 | | | |
| | | 2595.0 | 18.55 | 18.45 | 18.46 | | | |
| | | 2572.5 | 18.33 | 18.40 | 18.30 | | | |
| | 1RB_0 | 2617.5 | 18.18 | 18.24 | 18.03 | | | |
| | | 2595.0 | 18.13 | 18.30 | 18.06 | | | |
| | | 2572.5 | 18.06 | 18.16 | 18.18 | | | |
| | 12RB_13 | 2617.5 | 18.32 | 18.31 | 18.43 | 19.0 | 19.0 | 19.0 |
| | | 2595.0 | 18.40 | 18.48 | 18.19 | | | |
| | | 2572.5 | 18.43 | 18.38 | 18.51 | | | |
| | 12RB_6 | 2617.5 | 18.38 | 18.27 | 18.33 | | | |
| | | 2595.0 | 18.49 | 18.49 | 18.47 | | | |
| | | 2572.5 | 18.54 | 18.51 | 18.43 | | | |
| | 12RB_0 | 2617.5 | 18.36 | 18.24 | 18.32 | | | |
| | | 2595.0 | 18.48 | 18.57 | 18.32 | | | |
| | | 2572.5 | 18.52 | 18.56 | 18.51 | | | |
| | 25RB_0 | 2617.5 | 18.54 | 18.37 | 18.45 | | | |
| | | 2595.0 | 18.39 | 18.28 | 18.33 | | | |
| | | 2572.5 | 18.47 | 18.48 | 18.51 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2615.0 | 18.07 | 18.17 | 17.81 | 19.0 | 19.0 | 19.0 |
| | | 2595.0 | 18.22 | 18.13 | 18.13 | | | |
| | | 2575.0 | 18.03 | 18.15 | 18.11 | | | |
| | 1RB_24 | 2615.0 | 18.56 | 18.45 | 18.17 | | | |
| | | 2595.0 | 18.53 | 18.55 | 18.45 | | | |
| | | 2575.0 | 18.51 | 18.47 | 18.30 | | | |
| | 1RB_0 | 2615.0 | 18.34 | 18.05 | 18.08 | | | |
| | | 2595.0 | 18.26 | 18.14 | 18.19 | | | |
| | | 2575.0 | 18.09 | 18.18 | 18.04 | | | |
| | 25RB_25 | 2615.0 | 18.23 | 18.43 | 18.18 | 19.0 | 19.0 | 19.0 |
| | | 2595.0 | 18.50 | 18.59 | 18.52 | | | |
| | | 2575.0 | 18.29 | 18.48 | 18.44 | | | |
| | 25RB_12 | 2615.0 | 18.28 | 18.28 | 18.14 | | | |
| | | 2595.0 | 18.52 | 18.37 | 18.30 | | | |
| | | 2575.0 | 18.38 | 18.38 | 18.28 | | | |
| | 25RB_0 | 2615.0 | 18.59 | 18.55 | 18.38 | | | |
| | | 2595.0 | 18.53 | 18.28 | 18.44 | | | |
| | | 2575.0 | 18.56 | 18.41 | 18.38 | | | |
| | 50RB_0 | 2615.0 | 18.47 | 18.51 | 18.38 | | | |
| | | 2595.0 | 18.46 | 18.31 | 18.28 | | | |
| | | 2575.0 | 18.32 | 18.50 | 18.41 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2612.5 | 18.05 | 18.33 | 18.08 | 19.0 | 19.0 | 19.0 |
| | | 2595.0 | 18.04 | 18.29 | 18.13 | | | |
| | | 2577.5 | 18.23 | 18.40 | 18.12 | | | |
| | 1RB_37 | 2612.5 | 18.43 | 18.46 | 18.45 | | | |
| | | 2595.0 | 18.55 | 18.34 | 18.09 | | | |
| | | 2577.5 | 18.27 | 18.49 | 18.17 | | | |
| | 1RB_0 | 2612.5 | 18.01 | 18.33 | 18.22 | | | |
| | | 2595.0 | 18.03 | 18.27 | 18.05 | | | |
| | | 2577.5 | 18.26 | 18.36 | 18.10 | | | |
| | 36RB_38 | 2612.5 | 18.46 | 18.31 | 18.46 | 19.0 | 19.0 | 19.0 |
| | | 2595.0 | 18.41 | 18.53 | 18.58 | | | |
| | | 2577.5 | 18.28 | 18.30 | 18.56 | | | |
| | 36RB_19 | 2612.5 | 18.59 | 18.41 | 18.28 | | | |
| | | 2595.0 | 18.33 | 18.53 | 18.45 | | | |
| | | 2577.5 | 18.29 | 18.45 | 18.21 | | | |
| | 36RB_0 | 2612.5 | 18.38 | 18.48 | 18.42 | | | |
| | | 2595.0 | 18.48 | 18.43 | 18.48 | | | |
| | | 2577.5 | 18.38 | 18.49 | 18.49 | | | |
| | 75RB_0 | 2612.5 | 18.34 | 18.23 | 18.19 | | | |
| | | 2595.0 | 18.45 | 18.32 | 18.31 | | | |
| | | 2577.5 | 18.38 | 18.39 | 18.56 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2610.0 | 18.16 | 18.24 | 18.14 | 19.0 | 19.0 | 19.0 |
| | | 2595.0 | 18.08 | 18.20 | 18.23 | | | |
| | | 2580.0 | 18.16 | 18.24 | 18.15 | | | |
| | 1RB_50 | 2610.0 | **18.47** | 18.50 | 18.26 | | | |
| | | 2595.0 | 18.46 | 18.54 | 18.26 | | | |
| | | 2580.0 | 18.43 | 18.55 | 18.24 | | | |
| | 1RB_0 | 2610.0 | 18.17 | 18.24 | 18.08 | | | |
| | | 2595.0 | 18.17 | 18.22 | 18.04 | | | |
| | | 2580.0 | 18.12 | 18.21 | 18.13 | | | |
| | 50RB_50 | 2610.0 | 18.41 | 18.40 | 18.36 | 19.0 | 19.0 | 19.0 |
| | | 2595.0 | 18.33 | 18.43 | 18.39 | | | |
| | | 2580.0 | 18.36 | 18.50 | 18.38 | | | |
| | 50RB_25 | 2610.0 | **18.43** | 18.40 | 18.34 | | | |
| | | 2595.0 | 18.34 | 18.44 | 18.37 | | | |
| | | 2580.0 | 18.40 | 18.47 | 18.41 | | | |
| | 50RB_0 | 2610.0 | 18.41 | 18.43 | 18.41 | | | |
| | | 2595.0 | 18.42 | 18.48 | 18.48 | | | |
| | | 2580.0 | 18.41 | 18.46 | 18.44 | | | |
| | 100RB_0 | 2610.0 | 18.38 | 18.42 | 18.39 | | | |
| | | 2595.0 | 18.36 | 18.42 | 18.46 | | | |
| | | 2580.0 | 18.37 | 18.40 | 18.38 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2617.5 | 22.62 | 21.49 | 20.89 | 24.0 | 23.0 | 22.0 |
| | | 2595.0 | 22.37 | 21.92 | 20.75 | | | |
| | | 2572.5 | 22.62 | 21.77 | 20.70 | | | |
| | 1RB_12 | 2617.5 | 22.69 | 21.96 | 20.89 | | | |
| | | 2595.0 | 22.90 | 21.78 | 20.97 | | | |
| | | 2572.5 | 22.72 | 21.98 | 20.96 | | | |
| | 1RB_0 | 2617.5 | 22.69 | 21.60 | 20.90 | | | |
| | | 2595.0 | 22.34 | 21.63 | 20.67 | | | |
| | | 2572.5 | 22.73 | 21.68 | 20.60 | | | |
| | 12RB_13 | 2617.5 | 21.61 | 20.88 | 19.89 | 23.0 | 22.0 | 21.0 |
| | | 2595.0 | 21.68 | 20.93 | 19.87 | | | |
| | | 2572.5 | 21.79 | 20.95 | 19.86 | | | |
| | 12RB_6 | 2617.5 | 21.93 | 20.97 | 19.96 | | | |
| | | 2595.0 | 21.63 | 20.99 | 19.84 | | | |
| | | 2572.5 | 21.51 | 20.83 | 19.98 | | | |
| | 12RB_0 | 2617.5 | 21.86 | 20.79 | 19.85 | | | |
| | | 2595.0 | 21.78 | 20.87 | 19.86 | | | |
| | | 2572.5 | 21.71 | 20.93 | 19.89 | | | |
| | 25RB_0 | 2617.5 | 21.62 | 20.75 | 19.86 | | | |
| | | 2595.0 | 21.91 | 20.89 | 19.95 | | | |
| | | 2572.5 | 21.85 | 20.72 | 19.86 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2615.0 | 22.69 | 21.54 | 20.86 | 24.0 | 23.0 | 22.0 |
| | | 2595.0 | 22.73 | 21.65 | 20.77 | | | |
| | | 2575.0 | 22.69 | 21.68 | 20.90 | | | |
| | 1RB_24 | 2615.0 | 22.93 | 21.76 | 20.81 | | | |
| | | 2595.0 | 22.69 | 21.94 | 20.92 | | | |
| | | 2575.0 | 22.97 | 21.71 | 20.80 | | | |
| | 1RB_0 | 2615.0 | 22.57 | 21.65 | 20.93 | | | |
| | | 2595.0 | 22.61 | 21.44 | 20.80 | | | |
| | | 2575.0 | 22.58 | 21.52 | 20.73 | | | |
| | 25RB_25 | 2615.0 | 21.80 | 20.91 | 19.89 | 23.0 | 22.0 | 21.0 |
| | | 2595.0 | 21.74 | 20.99 | 19.97 | | | |
| | | 2575.0 | 21.79 | 20.81 | 19.92 | | | |
| | 25RB_12 | 2615.0 | 21.92 | 20.79 | 19.80 | | | |
| | | 2595.0 | 21.68 | 20.95 | 19.77 | | | |
| | | 2575.0 | 21.76 | 20.81 | 19.74 | | | |
| | 25RB_0 | 2615.0 | 21.65 | 20.93 | 19.95 | | | |
| | | 2595.0 | 21.87 | 20.85 | 19.92 | | | |
| | | 2575.0 | 21.74 | 20.77 | 19.89 | | | |
| | 50RB_0 | 2615.0 | 21.85 | 20.82 | 19.80 | | | |
| | | 2595.0 | 21.96 | 20.79 | 19.95 | | | |
| | | 2575.0 | 21.67 | 20.90 | 19.93 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2612.5 | 22.61 | 21.76 | 20.73 | 24.0 | 23.0 | 22.0 |
| | | 2595.0 | 22.49 | 21.57 | 20.84 | | | |
| | | 2577.5 | 22.62 | 21.68 | 20.72 | | | |
| | 1RB_37 | 2612.5 | 22.90 | 21.85 | 20.83 | | | |
| | | 2595.0 | 22.97 | 21.91 | 20.91 | | | |
| | | 2577.5 | 22.63 | 21.88 | 20.97 | | | |
| | 1RB_0 | 2612.5 | 22.69 | 21.72 | 20.79 | | | |
| | | 2595.0 | 22.45 | 21.58 | 20.95 | | | |
| | | 2577.5 | 22.54 | 21.56 | 20.88 | | | |
| | 36RB_38 | 2612.5 | 21.58 | 20.71 | 19.80 | 23.0 | 22.0 | 21.0 |
| | | 2595.0 | 21.59 | 20.77 | 19.81 | | | |
| | | 2577.5 | 21.73 | 20.82 | 19.54 | | | |
| | 36RB_19 | 2612.5 | 21.93 | 20.71 | 19.77 | | | |
| | | 2595.0 | 21.66 | 20.72 | 19.77 | | | |
| | | 2577.5 | 21.52 | 20.98 | 19.84 | | | |
| | 36RB_0 | 2612.5 | 21.79 | 20.71 | 19.73 | | | |
| | | 2595.0 | 21.72 | 20.83 | 19.83 | | | |
| | | 2577.5 | 21.67 | 20.81 | 19.73 | | | |
| | 75RB_0 | 2612.5 | 21.54 | 20.96 | 19.76 | | | |
| | | 2595.0 | 21.87 | 20.87 | 19.78 | | | |
| | | 2577.5 | 21.84 | 20.82 | 19.75 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2610.0 | 22.60 | 21.59 | 20.70 | 24.0 | 23.0 | 22.0 |
| | | 2595.0 | 22.55 | 21.74 | 20.79 | | | |
| | | 2580.0 | 22.57 | 21.63 | 20.78 | | | |
| | 1RB_50 | 2610.0 | **22.86** | 21.90 | 20.89 | | | |
| | | 2595.0 | 22.84 | 22.09 | 20.95 | | | |
| | | 2580.0 | 22.83 | 21.87 | 20.82 | | | |
| | 1RB_0 | 2610.0 | 22.52 | 21.64 | 20.74 | | | |
| | | 2595.0 | 22.54 | 21.59 | 20.80 | | | |
| | | 2580.0 | 22.53 | 21.58 | 20.76 | | | |
| | 50RB_50 | 2610.0 | 21.70 | 20.71 | 19.95 | 23.0 | 22.0 | 21.0 |
| | | 2595.0 | 21.68 | 20.91 | 19.98 | | | |
| | | 2580.0 | 21.71 | 20.89 | 19.92 | | | |
| | 50RB_25 | 2610.0 | 21.74 | 20.89 | 19.98 | | | |
| | | 2595.0 | 21.69 | 20.85 | 19.94 | | | |
| | | 2580.0 | 21.69 | 20.91 | 19.98 | | | |
| | 50RB_0 | 2610.0 | 21.67 | 20.86 | 19.91 | | | |
| | | 2595.0 | **21.83** | 20.92 | 19.94 | | | |
| | | 2580.0 | 21.67 | 20.85 | 19.93 | | | |
| | 100RB_0 | 2610.0 | 21.74 | 20.87 | 19.96 | | | |
| | | 2595.0 | 21.97 | 20.98 | 19.99 | | | |
| | | 2580.0 | 21.77 | 20.88 | 19.93 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2617.5 | 21.85 | 21.80 | 20.60 | 23.0 | 23.0 | 22.0 |
| | | 2595.0 | 21.80 | 21.66 | 20.55 | | | |
| | | 2572.5 | 22.08 | 21.69 | 20.79 | | | |
| | 1RB_12 | 2617.5 | 22.41 | 21.94 | 20.61 | | | |
| | | 2595.0 | 22.18 | 21.84 | 20.65 | | | |
| | | 2572.5 | 22.01 | 21.92 | 20.89 | | | |
| | 1RB_0 | 2617.5 | 21.86 | 21.75 | 20.77 | | | |
| | | 2595.0 | 21.90 | 21.89 | 20.54 | | | |
| | | 2572.5 | 21.82 | 21.80 | 20.71 | | | |
| | 12RB_13 | 2617.5 | 21.99 | 20.73 | 19.62 | 23.0 | 22.0 | 21.0 |
| | | 2595.0 | 21.73 | 20.93 | 19.84 | | | |
| | | 2572.5 | 21.84 | 20.78 | 19.70 | | | |
| | 12RB_6 | 2617.5 | 21.68 | 20.83 | 19.62 | | | |
| | | 2595.0 | 21.83 | 20.91 | 19.84 | | | |
| | | 2572.5 | 21.88 | 20.89 | 19.97 | | | |
| | 12RB_0 | 2617.5 | 21.63 | 20.70 | 19.59 | | | |
| | | 2595.0 | 21.87 | 20.87 | 19.97 | | | |
| | | 2572.5 | 21.72 | 20.95 | 19.87 | | | |
| | 25RB_0 | 2617.5 | 21.91 | 20.95 | 19.67 | | | |
| | | 2595.0 | 21.90 | 20.91 | 19.69 | | | |
| | | 2572.5 | 21.85 | 20.83 | 19.91 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2615.0 | 21.91 | 21.88 | 20.72 | 23.0 | 23.0 | 22.0 |
| | | 2595.0 | 21.92 | 21.86 | 20.86 | | | |
| | | 2575.0 | 21.98 | 21.84 | 20.82 | | | |
| | 1RB_24 | 2615.0 | 22.33 | 21.81 | 20.87 | | | |
| | | 2595.0 | 22.30 | 21.93 | 20.86 | | | |
| | | 2575.0 | 21.94 | 21.91 | 20.92 | | | |
| | 1RB_0 | 2615.0 | 21.90 | 21.75 | 20.88 | | | |
| | | 2595.0 | 22.08 | 21.91 | 20.84 | | | |
| | | 2575.0 | 21.86 | 21.84 | 20.77 | | | |
| | 25RB_25 | 2615.0 | 21.90 | 20.72 | 19.65 | 23.0 | 22.0 | 21.0 |
| | | 2595.0 | 21.70 | 20.89 | 19.71 | | | |
| | | 2575.0 | 21.94 | 20.84 | 19.76 | | | |
| | 25RB_12 | 2615.0 | 21.76 | 20.70 | 19.96 | | | |
| | | 2595.0 | 21.79 | 20.92 | 19.87 | | | |
| | | 2575.0 | 21.77 | 20.84 | 19.80 | | | |
| | 25RB_0 | 2615.0 | 21.88 | 20.71 | 19.66 | | | |
| | | 2595.0 | 21.67 | 20.79 | 19.72 | | | |
| | | 2575.0 | 21.86 | 20.87 | 19.67 | | | |
| | 50RB_0 | 2615.0 | 21.84 | 20.94 | 19.68 | | | |
| | | 2595.0 | 21.69 | 20.76 | 19.78 | | | |
| | | 2575.0 | 21.84 | 20.73 | 19.66 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2612.5 | 21.92 | 21.60 | 20.84 | 23.0 | 23.0 | 22.0 |
| | | 2595.0 | 22.14 | 21.66 | 20.96 | | | |
| | | 2577.5 | 22.16 | 21.85 | 20.77 | | | |
| | 1RB_37 | 2612.5 | 22.31 | 21.99 | 20.71 | | | |
| | | 2595.0 | 22.39 | 21.85 | 20.98 | | | |
| | | 2577.5 | 22.04 | 21.74 | 20.77 | | | |
| | 1RB_0 | 2612.5 | 22.05 | 21.83 | 20.93 | | | |
| | | 2595.0 | 21.91 | 21.89 | 20.82 | | | |
| | | 2577.5 | 21.58 | 21.72 | 20.78 | | | |
| | 36RB_38 | 2612.5 | 21.61 | 20.73 | 19.97 | 23.0 | 22.0 | 21.0 |
| | | 2595.0 | 21.67 | 20.80 | 19.85 | | | |
| | | 2577.5 | 21.84 | 20.72 | 19.67 | | | |
| | 36RB_19 | 2612.5 | 21.60 | 20.80 | 19.78 | | | |
| | | 2595.0 | 21.91 | 20.97 | 19.84 | | | |
| | | 2577.5 | 21.63 | 20.94 | 19.80 | | | |
| | 36RB_0 | 2612.5 | 21.75 | 20.64 | 19.79 | | | |
| | | 2595.0 | 21.82 | 20.74 | 19.93 | | | |
| | | 2577.5 | 21.86 | 20.87 | 19.95 | | | |
| | 75RB_0 | 2612.5 | 21.74 | 20.80 | 19.81 | | | |
| | | 2595.0 | 21.74 | 20.91 | 19.93 | | | |
| | | 2577.5 | 21.84 | 20.86 | 19.84 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 38 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2610.0 | 22.01 | 21.70 | 20.73 | 23.0 | 23.0 | 22.0 |
| | | 2595.0 | 21.96 | 21.68 | 20.69 | | | |
| | | 2580.0 | 22.00 | 21.71 | 20.78 | | | |
| | 1RB_50 | 2610.0 | 22.22 | 21.98 | 20.81 | | | |
| | | 2595.0 | **22.26** | 21.98 | 20.86 | | | |
| | | 2580.0 | 22.13 | 21.94 | 20.76 | | | |
| | 1RB_0 | 2610.0 | 22.01 | 21.71 | 20.82 | | | |
| | | 2595.0 | 22.00 | 21.70 | 20.93 | | | |
| | | 2580.0 | 21.72 | 21.69 | 20.95 | | | |
| | 50RB_50 | 2610.0 | 21.80 | 20.76 | 19.77 | 23.0 | 22.0 | 21.0 |
| | | 2595.0 | **21.88** | 20.83 | 19.74 | | | |
| | | 2580.0 | 21.79 | 20.76 | 19.74 | | | |
| | 50RB_25 | 2610.0 | 21.78 | 20.79 | 19.79 | | | |
| | | 2595.0 | 21.77 | 20.80 | 19.74 | | | |
| | | 2580.0 | 21.78 | 20.84 | 19.80 | | | |
| | 50RB_0 | 2610.0 | 21.74 | 20.78 | 19.74 | | | |
| | | 2595.0 | 21.82 | 20.81 | 19.80 | | | |
| | | 2580.0 | 21.76 | 20.80 | 19.78 | | | |
| | 100RB_0 | 2610.0 | 21.85 | 20.86 | 19.78 | | | |
| | | 2595.0 | 21.81 | 20.84 | 19.80 | | | |
| | | 2580.0 | 21.89 | 20.80 | 19.80 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2652.5 | 18.65 | 18.68 | 18.73 | 19.5 | 19.5 | 19.5 |
| | | 2623.8 | 18.96 | 18.55 | 18.58 | | | |
| | | 2595.0 | 18.96 | 18.50 | 18.57 | | | |
| | | 2566.3 | 18.65 | 18.74 | 18.74 | | | |
| | | 2537.5 | 18.65 | 18.72 | 18.64 | | | |
| | 1RB_12 | 2652.5 | 18.82 | 18.95 | 18.73 | | | |
| | | 2623.8 | 18.57 | 18.33 | 18.79 | | | |
| | | 2595.0 | 18.96 | 18.98 | 18.72 | | | |
| | | 2566.3 | 18.77 | 18.91 | 18.51 | | | |
| | | 2537.5 | 18.54 | 18.65 | 18.56 | | | |
| | 1RB_0 | 2652.5 | 18.74 | 18.93 | 18.50 | | | |
| | | 2623.8 | 18.54 | 18.80 | 18.53 | | | |
| | | 2595.0 | 18.63 | 18.70 | 18.61 | | | |
| | | 2566.3 | 18.74 | 18.77 | 18.68 | | | |
| | | 2537.5 | 18.72 | 18.54 | 18.87 | | | |
| | 12RB_13 | 2652.5 | 18.79 | 18.76 | 18.85 | 19.5 | 19.5 | 19.5 |
| | | 2623.8 | 18.54 | 18.93 | 18.75 | | | |
| | | 2595.0 | 18.63 | 18.52 | 18.76 | | | |
| | | 2566.3 | 18.55 | 18.96 | 18.76 | | | |
| | | 2537.5 | 18.66 | 18.53 | 18.74 | | | |
| | 12RB_6 | 2652.5 | 19.00 | 18.88 | 18.98 | | | |
| | | 2623.8 | 18.65 | 18.76 | 18.57 | | | |
| | | 2595.0 | 18.88 | 18.92 | 18.91 | | | |
| | | 2566.3 | 18.88 | 18.73 | 18.89 | | | |
| | | 2537.5 | 18.71 | 18.59 | 18.51 | | | |
| | 12RB_0 | 2652.5 | 18.77 | 18.93 | 18.96 | | | |
| | | 2623.8 | 18.80 | 18.76 | 18.66 | | | |
| | | 2595.0 | 18.99 | 18.86 | 18.66 | | | |
| | | 2566.3 | 19.00 | 18.93 | 18.76 | | | |
| | | 2537.5 | 18.62 | 18.78 | 18.78 | | | |
| | 25RB_0 | 2652.5 | 18.85 | 18.91 | 18.63 | | | |
| | | 2623.8 | 18.48 | 18.58 | 18.52 | | | |
| | | 2595.0 | 18.79 | 18.95 | 18.99 | | | |
| | | 2566.3 | 18.78 | 18.88 | 18.65 | | | |
| | | 2537.5 | 18.61 | 18.87 | 18.46 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2650.0 | 18.64 | 18.74 | 18.71 | 19.5 | 19.5 | 19.5 |
| | | 2622.5 | 18.76 | 18.72 | 18.73 | | | |
| | | 2595.0 | 18.51 | 18.75 | 18.54 | | | |
| | | 2567.5 | 18.82 | 18.72 | 18.75 | | | |
| | | 2540.0 | 18.53 | 18.69 | 18.80 | | | |
| | 1RB_24 | 2650.0 | 18.89 | 18.88 | 18.65 | | | |
| | | 2622.5 | 19.08 | 18.83 | 18.83 | | | |
| | | 2595.0 | 18.50 | 18.65 | 18.67 | | | |
| | | 2567.5 | 19.08 | 18.79 | 18.83 | | | |
| | | 2540.0 | 18.51 | 18.67 | 18.64 | | | |
| | 1RB_0 | 2650.0 | 18.60 | 18.79 | 18.50 | | | |
| | | 2622.5 | 18.58 | 18.67 | 18.55 | | | |
| | | 2595.0 | 18.61 | 18.55 | 18.98 | | | |
| | | 2567.5 | 18.63 | 18.68 | 18.52 | | | |
| | | 2540.0 | 18.63 | 18.98 | 19.07 | | | |
| | 25RB_25 | 2650.0 | 18.80 | 18.79 | 18.77 | 19.5 | 19.5 | 19.5 |
| | | 2622.5 | 18.67 | 18.74 | 18.75 | | | |
| | | 2595.0 | 18.76 | 18.82 | 18.74 | | | |
| | | 2567.5 | 18.73 | 18.79 | 18.76 | | | |
| | | 2540.0 | 18.46 | 18.77 | 18.77 | | | |
| | 25RB_12 | 2650.0 | 18.84 | 18.78 | 18.81 | | | |
| | | 2622.5 | 18.98 | 18.94 | 18.70 | | | |
| | | 2595.0 | 18.64 | 18.80 | 18.67 | | | |
| | | 2567.5 | 19.00 | 18.92 | 18.72 | | | |
| | | 2540.0 | 18.71 | 18.75 | 18.68 | | | |
| | 25RB_0 | 2650.0 | 18.83 | 18.83 | 18.70 | | | |
| | | 2622.5 | 18.78 | 19.03 | 18.97 | | | |
| | | 2595.0 | 18.65 | 18.52 | 18.64 | | | |
| | | 2567.5 | 18.73 | 19.07 | 18.98 | | | |
| | | 2540.0 | 18.59 | 18.53 | 18.59 | | | |
| | 50RB_0 | 2650.0 | 19.03 | 18.74 | 18.85 | | | |
| | | 2622.5 | 18.85 | 18.95 | 18.91 | | | |
| | | 2595.0 | 18.80 | 18.59 | 18.60 | | | |
| | | 2567.5 | 18.82 | 18.98 | 18.91 | | | |
| | | 2540.0 | 18.77 | 18.57 | 18.57 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2647.5 | 18.60 | 18.78 | 18.75 | 19.5 | 19.5 | 19.5 |
| | | 2621.3 | 18.88 | 18.84 | 18.81 | | | |
| | | 2595.0 | 18.60 | 18.80 | 18.82 | | | |
| | | 2568.8 | 18.65 | 18.59 | 18.83 | | | |
| | | 2542.5 | 18.59 | 18.82 | 18.83 | | | |
| | 1RB_37 | 2647.5 | 19.00 | 18.87 | 18.77 | | | |
| | | 2621.3 | 18.97 | 18.82 | 18.49 | | | |
| | | 2595.0 | 18.79 | 18.64 | 18.63 | | | |
| | | 2568.8 | 18.99 | 18.88 | 18.55 | | | |
| | | 2542.5 | 18.77 | 18.70 | 18.60 | | | |
| | 1RB_0 | 2647.5 | 18.62 | 18.67 | 18.62 | | | |
| | | 2621.3 | 18.64 | 18.73 | 18.79 | | | |
| | | 2595.0 | 18.63 | 18.58 | 18.64 | | | |
| | | 2568.8 | 18.63 | 18.80 | 18.71 | | | |
| | | 2542.5 | 18.77 | 18.65 | 19.08 | | | |
| | 36RB_38 | 2647.5 | 18.71 | 18.82 | 18.74 | 19.5 | 19.5 | 19.5 |
| | | 2621.3 | 18.83 | 18.87 | 18.78 | | | |
| | | 2595.0 | 18.86 | 18.55 | 18.76 | | | |
| | | 2568.8 | 18.87 | 18.86 | 18.78 | | | |
| | | 2542.5 | 18.88 | 18.55 | 18.74 | | | |
| | 36RB_19 | 2647.5 | 18.83 | 18.94 | 18.66 | | | |
| | | 2621.3 | 18.98 | 18.82 | 18.69 | | | |
| | | 2595.0 | 18.69 | 18.76 | 18.60 | | | |
| | | 2568.8 | 18.97 | 18.84 | 18.65 | | | |
| | | 2542.5 | 18.55 | 18.76 | 18.59 | | | |
| | 36RB_0 | 2647.5 | 18.88 | 18.61 | 18.57 | | | |
| | | 2621.3 | 18.74 | 18.75 | 18.74 | | | |
| | | 2595.0 | 18.58 | 18.78 | 18.64 | | | |
| | | 2568.8 | 18.70 | 18.74 | 18.73 | | | |
| | | 2542.5 | 18.79 | 18.77 | 18.62 | | | |
| | 75RB_0 | 2647.5 | 18.90 | 18.93 | 18.84 | | | |
| | | 2621.3 | 19.01 | 18.93 | 18.90 | | | |
| | | 2595.0 | 18.98 | 18.66 | 18.71 | | | |
| | | 2568.8 | 19.04 | 18.89 | 18.87 | | | |
| | | 2542.5 | 18.61 | 18.69 | 18.75 | | | |

| Ant.1 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2645.0 | 18.86 | 18.83 | 18.83 | 19.5 | 19.5 | 19.5 |
| | | 2620.0 | 18.79 | 18.87 | 18.90 | | | |
| | | 2595.0 | 18.72 | 18.83 | 18.81 | | | |
| | | 2570.0 | 18.83 | 18.86 | 18.88 | | | |
| | | 2545.0 | 18.68 | 18.82 | 18.84 | | | |
| | 1RB_50 | 2645.0 | **18.93** | 18.97 | 18.66 | | | |
| | | 2620.0 | 18.89 | 19.00 | 18.69 | | | |
| | | 2595.0 | 18.68 | 18.74 | 18.77 | | | |
| | | 2570.0 | 18.89 | 19.00 | 18.72 | | | |
| | | 2545.0 | 18.69 | 18.73 | 18.83 | | | |
| | 1RB_0 | 2645.0 | 18.88 | 18.87 | 18.74 | | | |
| | | 2620.0 | 18.73 | 18.62 | 18.69 | | | |
| | | 2595.0 | 18.86 | 18.75 | 18.83 | | | |
| | | 2570.0 | 18.75 | 18.93 | 18.98 | | | |
| | | 2545.0 | 18.78 | 18.78 | 18.78 | | | |
| | 50RB_50 | 2645.0 | 18.81 | 18.88 | 18.91 | 19.5 | 19.5 | 19.5 |
| | | 2620.0 | 18.72 | 18.76 | 18.81 | | | |
| | | 2595.0 | 18.69 | 18.74 | 18.70 | | | |
| | | 2570.0 | 18.74 | 18.78 | 18.80 | | | |
| | | 2545.0 | 18.69 | 18.73 | 18.67 | | | |
| | 50RB_25 | 2645.0 | 18.83 | 18.77 | 18.82 | | | |
| | | 2620.0 | 18.81 | 18.82 | 18.78 | | | |
| | | 2595.0 | 18.67 | 18.66 | 18.65 | | | |
| | | 2570.0 | 18.83 | 18.85 | 18.75 | | | |
| | | 2545.0 | 18.64 | 18.71 | 18.68 | | | |
| | 50RB_0 | 2645.0 | 18.79 | 18.78 | 18.74 | | | |
| | | 2620.0 | 18.80 | 18.92 | 18.86 | | | |
| | | 2595.0 | **18.85** | 18.62 | 18.59 | | | |
| | | 2570.0 | 18.82 | 18.90 | 18.89 | | | |
| | | 2545.0 | 18.49 | 18.60 | 18.60 | | | |
| | 100RB_0 | 2645.0 | 18.88 | 18.82 | 18.80 | | | |
| | | 2620.0 | 18.86 | 18.80 | 18.82 | | | |
| | | 2595.0 | 18.79 | 18.66 | 18.63 | | | |
| | | 2570.0 | 18.84 | 18.79 | 18.84 | | | |
| | | 2545.0 | 18.67 | 18.66 | 18.60 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2652.5 | 21.27 | 21.20 | 21.12 | 22.0 | 22.0 | 22.0 |
| | | 2623.8 | 21.05 | 21.19 | 21.27 | | | |
| | | 2595.0 | 21.04 | 21.17 | 21.16 | | | |
| | | 2566.3 | 21.06 | 21.16 | 21.25 | | | |
| | | 2537.5 | 21.07 | 21.26 | 21.22 | | | |
| | 1RB_12 | 2652.5 | 21.47 | 21.40 | 21.44 | | | |
| | | 2623.8 | 21.18 | 21.17 | 21.29 | | | |
| | | 2595.0 | 21.36 | 21.44 | 21.12 | | | |
| | | 2566.3 | 21.41 | 21.49 | 21.18 | | | |
| | | 2537.5 | 21.24 | 21.23 | 21.14 | | | |
| | 1RB_0 | 2652.5 | 21.24 | 21.03 | 21.07 | | | |
| | | 2623.8 | 21.30 | 21.17 | 21.02 | | | |
| | | 2595.0 | 21.27 | 21.31 | 21.13 | | | |
| | | 2566.3 | 21.25 | 21.06 | 21.29 | | | |
| | | 2537.5 | 20.97 | 21.08 | 21.17 | | | |
| | 12RB_13 | 2652.5 | 21.23 | 21.34 | 20.03 | 22.0 | 22.0 | 21.0 |
| | | 2623.8 | 21.33 | 21.17 | 20.14 | | | |
| | | 2595.0 | 21.33 | 21.43 | 20.26 | | | |
| | | 2566.3 | 21.28 | 21.26 | 20.02 | | | |
| | | 2537.5 | 21.06 | 21.19 | 20.01 | | | |
| | 12RB_6 | 2652.5 | 21.33 | 21.23 | 20.17 | | | |
| | | 2623.8 | 21.16 | 21.21 | 20.21 | | | |
| | | 2595.0 | 21.08 | 21.49 | 20.20 | | | |
| | | 2566.3 | 21.22 | 21.38 | 20.27 | | | |
| | | 2537.5 | 21.24 | 21.14 | 20.21 | | | |
| | 12RB_0 | 2652.5 | 21.01 | 21.01 | 20.03 | | | |
| | | 2623.8 | 21.16 | 21.24 | 20.14 | | | |
| | | 2595.0 | 21.25 | 21.24 | 20.09 | | | |
| | | 2566.3 | 21.22 | 21.34 | 20.11 | | | |
| | | 2537.5 | 21.04 | 21.23 | 20.04 | | | |
| | 25RB_0 | 2652.5 | 21.15 | 21.51 | 20.23 | | | |
| | | 2623.8 | 21.11 | 21.16 | 20.13 | | | |
| | | 2595.0 | 21.32 | 21.29 | 20.25 | | | |
| | | 2566.3 | 21.45 | 21.17 | 20.34 | | | |
| | | 2537.5 | 21.24 | 21.22 | 20.16 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2650.0 | 21.05 | 21.14 | 21.13 | 22.0 | 22.0 | 22.0 |
| | | 2622.5 | 21.11 | 21.09 | 21.18 | | | |
| | | 2595.0 | 21.27 | 21.05 | 21.24 | | | |
| | | 2567.5 | 21.01 | 21.12 | 21.07 | | | |
| | | 2540.0 | 21.22 | 21.10 | 21.09 | | | |
| | 1RB_24 | 2650.0 | 21.29 | 21.36 | 21.36 | | | |
| | | 2622.5 | 21.14 | 21.03 | 21.06 | | | |
| | | 2595.0 | 21.52 | 21.57 | 21.12 | | | |
| | | 2567.5 | 21.26 | 21.27 | 21.01 | | | |
| | | 2540.0 | 21.28 | 21.34 | 21.06 | | | |
| | 1RB_0 | 2650.0 | 21.25 | 21.06 | 21.11 | | | |
| | | 2622.5 | 21.05 | 21.27 | 21.00 | | | |
| | | 2595.0 | 21.20 | 21.08 | 21.08 | | | |
| | | 2567.5 | 21.04 | 21.16 | 21.17 | | | |
| | | 2540.0 | 21.16 | 21.09 | 21.10 | | | |
| | 25RB_25 | 2650.0 | 21.11 | 21.28 | 20.17 | 22.0 | 22.0 | 21.0 |
| | | 2622.5 | 21.05 | 21.36 | 20.29 | | | |
| | | 2595.0 | 21.02 | 21.20 | 20.12 | | | |
| | | 2567.5 | 21.02 | 21.27 | 20.33 | | | |
| | | 2540.0 | 21.04 | 21.13 | 20.14 | | | |
| | 25RB_12 | 2650.0 | 21.19 | 21.49 | 20.23 | | | |
| | | 2622.5 | 21.26 | 21.43 | 20.37 | | | |
| | | 2595.0 | 21.13 | 21.26 | 20.06 | | | |
| | | 2567.5 | 21.24 | 21.40 | 20.35 | | | |
| | | 2540.0 | 21.13 | 21.24 | 20.08 | | | |
| | 25RB_0 | 2650.0 | 21.20 | 21.37 | 20.27 | | | |
| | | 2622.5 | 21.31 | 21.36 | 20.35 | | | |
| | | 2595.0 | 21.27 | 20.98 | 20.11 | | | |
| | | 2567.5 | 21.22 | 21.30 | 20.30 | | | |
| | | 2540.0 | 21.41 | 20.99 | 20.09 | | | |
| | 50RB_0 | 2650.0 | 21.40 | 21.28 | 20.49 | | | |
| | | 2622.5 | 21.27 | 21.23 | 20.46 | | | |
| | | 2595.0 | 21.12 | 21.14 | 20.27 | | | |
| | | 2567.5 | 21.25 | 21.16 | 20.45 | | | |
| | | 2540.0 | 21.16 | 21.16 | 20.22 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2647.5 | 21.06 | 21.00 | 21.27 | 22.0 | 22.0 | 22.0 |
| | | 2621.3 | 21.14 | 21.16 | 21.05 | | | |
| | | 2595.0 | 21.10 | 21.08 | 21.07 | | | |
| | | 2568.8 | 21.17 | 21.15 | 21.01 | | | |
| | | 2542.5 | 21.08 | 21.12 | 21.12 | | | |
| | 1RB_37 | 2647.5 | 21.38 | 21.46 | 21.33 | | | |
| | | 2621.3 | 21.23 | 21.22 | 21.21 | | | |
| | | 2595.0 | 21.35 | 21.15 | 21.08 | | | |
| | | 2568.8 | 21.23 | 21.24 | 21.24 | | | |
| | | 2542.5 | 21.31 | 21.14 | 21.09 | | | |
| | 1RB_0 | 2647.5 | 21.26 | 21.43 | 21.18 | | | |
| | | 2621.3 | 21.10 | 21.24 | 21.11 | | | |
| | | 2595.0 | 21.36 | 21.15 | 21.02 | | | |
| | | 2568.8 | 21.11 | 21.18 | 21.19 | | | |
| | | 2542.5 | 21.12 | 21.10 | 21.01 | | | |
| | 36RB_38 | 2647.5 | 21.07 | 21.44 | 20.29 | 22.0 | 22.0 | 21.0 |
| | | 2621.3 | 21.09 | 21.18 | 20.34 | | | |
| | | 2595.0 | 21.34 | 21.17 | 20.10 | | | |
| | | 2568.8 | 21.07 | 21.22 | 20.38 | | | |
| | | 2542.5 | 21.28 | 21.14 | 20.07 | | | |
| | 36RB_19 | 2647.5 | 21.32 | 21.46 | 20.21 | | | |
| | | 2621.3 | 21.39 | 21.22 | 20.25 | | | |
| | | 2595.0 | 21.17 | 21.06 | 20.10 | | | |
| | | 2568.8 | 21.38 | 21.25 | 20.25 | | | |
| | | 2542.5 | 21.19 | 21.02 | 20.14 | | | |
| | 36RB_0 | 2647.5 | 21.14 | 21.24 | 20.01 | | | |
| | | 2621.3 | 21.26 | 21.17 | 20.21 | | | |
| | | 2595.0 | 21.36 | 21.11 | 20.38 | | | |
| | | 2568.8 | 21.20 | 21.21 | 20.27 | | | |
| | | 2542.5 | 21.17 | 21.05 | 20.34 | | | |
| | 75RB_0 | 2647.5 | 21.22 | 21.17 | 20.19 | | | |
| | | 2621.3 | 21.38 | 21.36 | 20.13 | | | |
| | | 2595.0 | 20.96 | 21.02 | 20.12 | | | |
| | | 2568.8 | 21.31 | 21.42 | 20.11 | | | |
| | | 2542.5 | 21.02 | 21.05 | 20.12 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2645.0 | 21.13 | 21.02 | 21.23 | 22.0 | 22.0 | 22.0 |
| | | 2620.0 | 21.18 | 21.07 | 21.09 | | | |
| | | 2595.0 | 21.14 | 21.21 | 21.14 | | | |
| | | 2570.0 | 21.03 | 21.08 | 21.27 | | | |
| | | 2545.0 | 21.24 | 21.20 | 21.16 | | | |
| | 1RB_50 | 2645.0 | **21.38** | 21.42 | 21.15 | | | |
| | | 2620.0 | 21.27 | 21.35 | 21.15 | | | |
| | | 2595.0 | 21.17 | 21.23 | 21.15 | | | |
| | | 2570.0 | 21.35 | 21.39 | 21.11 | | | |
| | | 2545.0 | 21.11 | 21.23 | 21.16 | | | |
| | 1RB_0 | 2645.0 | 21.15 | 21.22 | 21.18 | | | |
| | | 2620.0 | 21.05 | 21.09 | 21.10 | | | |
| | | 2595.0 | 21.17 | 21.22 | 21.09 | | | |
| | | 2570.0 | 21.02 | 21.14 | 21.10 | | | |
| | | 2545.0 | 21.26 | 21.31 | 21.41 | | | |
| | 50RB_50 | 2645.0 | 21.25 | 21.33 | 20.26 | 22.0 | 22.0 | 21.0 |
| | | 2620.0 | 21.09 | 21.18 | 20.19 | | | |
| | | 2595.0 | 21.03 | 21.14 | 20.09 | | | |
| | | 2570.0 | 21.10 | 21.19 | 20.20 | | | |
| | | 2545.0 | 21.08 | 21.15 | 20.09 | | | |
| | 50RB_25 | 2645.0 | 21.25 | 21.27 | 20.25 | | | |
| | | 2620.0 | 21.21 | 21.30 | 20.25 | | | |
| | | 2595.0 | 21.04 | 21.11 | 20.04 | | | |
| | | 2570.0 | 21.21 | 21.33 | 20.28 | | | |
| | | 2545.0 | 21.08 | 21.11 | 20.08 | | | |
| | 50RB_0 | 2645.0 | **21.26** | 21.22 | 20.19 | | | |
| | | 2620.0 | 21.22 | 21.27 | 20.28 | | | |
| | | 2595.0 | 21.14 | 21.02 | 20.01 | | | |
| | | 2570.0 | 21.22 | 21.29 | 20.25 | | | |
| | | 2545.0 | 21.11 | 21.10 | 20.08 | | | |
| | 100RB_0 | 2645.0 | 21.30 | 21.29 | 20.27 | | | |
| | | 2620.0 | 21.29 | 21.25 | 20.25 | | | |
| | | 2595.0 | 21.06 | 21.14 | 20.08 | | | |
| | | 2570.0 | 21.30 | 21.25 | 20.28 | | | |
| | | 2545.0 | 21.08 | 21.17 | 20.07 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2652.5 | 17.33 | 17.61 | 17.26 | 18.5 | 18.5 | 18.5 |
| | | 2623.8 | 17.35 | 17.63 | 17.22 | | | |
| | | 2595.0 | 17.64 | 17.42 | 17.41 | | | |
| | | 2566.3 | 17.55 | 17.64 | 17.14 | | | |
| | | 2537.5 | 17.30 | 17.44 | 17.12 | | | |
| | 1RB_12 | 2652.5 | 17.89 | 17.84 | 17.51 | | | |
| | | 2623.8 | 17.33 | 17.52 | 17.21 | | | |
| | | 2595.0 | 17.69 | 17.95 | 17.68 | | | |
| | | 2566.3 | 17.81 | 17.83 | 17.46 | | | |
| | | 2537.5 | 17.83 | 17.59 | 17.41 | | | |
| | 1RB_0 | 2652.5 | 17.64 | 17.69 | 17.40 | | | |
| | | 2623.8 | 17.83 | 17.85 | 17.36 | | | |
| | | 2595.0 | 17.44 | 17.74 | 17.36 | | | |
| | | 2566.3 | 17.45 | 17.44 | 17.26 | | | |
| | | 2537.5 | 17.48 | 17.27 | 17.21 | | | |
| | 12RB_13 | 2652.5 | 17.97 | 17.77 | 17.98 | 18.5 | 18.5 | 18.5 |
| | | 2623.8 | 17.52 | 17.36 | 17.33 | | | |
| | | 2595.0 | 17.68 | 17.90 | 17.93 | | | |
| | | 2566.3 | 17.91 | 17.66 | 17.63 | | | |
| | | 2537.5 | 17.57 | 17.89 | 17.86 | | | |
| | 12RB_6 | 2652.5 | 17.62 | 17.82 | 17.87 | | | |
| | | 2623.8 | 17.80 | 17.52 | 17.81 | | | |
| | | 2595.0 | 17.67 | 17.85 | 17.90 | | | |
| | | 2566.3 | 17.74 | 17.77 | 17.60 | | | |
| | | 2537.5 | 17.45 | 17.71 | 17.57 | | | |
| | 12RB_0 | 2652.5 | 17.63 | 17.85 | 17.68 | | | |
| | | 2623.8 | 17.47 | 17.89 | 17.50 | | | |
| | | 2595.0 | 17.63 | 17.96 | 17.95 | | | |
| | | 2566.3 | 17.92 | 17.98 | 17.72 | | | |
| | | 2537.5 | 17.49 | 17.53 | 17.66 | | | |
| | 25RB_0 | 2652.5 | 17.61 | 17.71 | 17.76 | | | |
| | | 2623.8 | 17.57 | 17.56 | 17.47 | | | |
| | | 2595.0 | 17.74 | 17.69 | 17.94 | | | |
| | | 2566.3 | 17.84 | 17.97 | 17.89 | | | |
| | | 2537.5 | 17.49 | 17.85 | 17.50 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2650.0 | 17.46 | 17.65 | 17.30 | 18.5 | 18.5 | 18.5 |
| | | 2622.5 | 17.34 | 17.71 | 17.19 | | | |
| | | 2595.0 | 17.49 | 17.67 | 17.45 | | | |
| | | 2567.5 | 17.34 | 17.70 | 17.24 | | | |
| | | 2540.0 | 17.36 | 17.57 | 17.07 | | | |
| | 1RB_24 | 2650.0 | 17.69 | 17.77 | 17.60 | | | |
| | | 2622.5 | 17.49 | 17.41 | 17.12 | | | |
| | | 2595.0 | 17.81 | 17.81 | 17.76 | | | |
| | | 2567.5 | 17.75 | 17.75 | 17.57 | | | |
| | | 2540.0 | 17.83 | 17.76 | 17.65 | | | |
| | 1RB_0 | 2650.0 | 17.44 | 17.78 | 17.24 | | | |
| | | 2622.5 | 17.78 | 17.68 | 17.38 | | | |
| | | 2595.0 | 17.64 | 17.73 | 17.21 | | | |
| | | 2567.5 | 17.52 | 17.66 | 17.37 | | | |
| | | 2540.0 | 17.47 | 17.44 | 17.19 | | | |
| | 25RB_25 | 2650.0 | 17.61 | 17.88 | 17.92 | 18.5 | 18.5 | 18.5 |
| | | 2622.5 | 17.41 | 17.29 | 17.06 | | | |
| | | 2595.0 | 18.01 | 18.01 | 18.01 | | | |
| | | 2567.5 | 17.64 | 17.98 | 17.55 | | | |
| | | 2540.0 | 17.48 | 17.68 | 17.76 | | | |
| | 25RB_12 | 2650.0 | 17.91 | 17.97 | 17.96 | | | |
| | | 2622.5 | 17.77 | 17.92 | 17.88 | | | |
| | | 2595.0 | 17.77 | 18.03 | 18.00 | | | |
| | | 2567.5 | 17.78 | 17.67 | 17.64 | | | |
| | | 2540.0 | 17.61 | 17.79 | 17.71 | | | |
| | 25RB_0 | 2650.0 | 17.94 | 17.76 | 17.78 | | | |
| | | 2622.5 | 17.56 | 17.86 | 17.48 | | | |
| | | 2595.0 | 17.86 | 17.81 | 17.88 | | | |
| | | 2567.5 | 17.75 | 18.08 | 17.97 | | | |
| | | 2540.0 | 17.62 | 17.43 | 17.48 | | | |
| | 50RB_0 | 2650.0 | 17.98 | 17.96 | 17.89 | | | |
| | | 2622.5 | 17.35 | 17.42 | 17.77 | | | |
| | | 2595.0 | 17.68 | 17.90 | 17.77 | | | |
| | | 2567.5 | 17.95 | 17.97 | 17.92 | | | |
| | | 2540.0 | 17.33 | 17.58 | 17.72 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2647.5 | 17.29 | 17.42 | 17.46 | 18.5 | 18.5 | 18.5 |
| | | 2621.3 | 17.34 | 17.40 | 17.48 | | | |
| | | 2595.0 | 17.65 | 17.71 | 17.23 | | | |
| | | 2568.8 | 17.30 | 17.34 | 17.25 | | | |
| | | 2542.5 | 17.11 | 17.36 | 17.39 | | | |
| | 1RB_37 | 2647.5 | 18.09 | 18.01 | 17.50 | | | |
| | | 2621.3 | 17.28 | 17.53 | 17.03 | | | |
| | | 2595.0 | 17.81 | 17.92 | 17.85 | | | |
| | | 2568.8 | 17.69 | 18.01 | 17.50 | | | |
| | | 2542.5 | 17.78 | 17.82 | 17.32 | | | |
| | 1RB_0 | 2647.5 | 17.58 | 17.72 | 17.32 | | | |
| | | 2621.3 | 17.59 | 17.62 | 17.41 | | | |
| | | 2595.0 | 17.61 | 17.64 | 17.43 | | | |
| | | 2568.8 | 17.66 | 17.62 | 17.45 | | | |
| | | 2542.5 | 17.41 | 17.45 | 17.08 | | | |
| | 36RB_38 | 2647.5 | 17.73 | 18.10 | 18.02 | 18.5 | 18.5 | 18.5 |
| | | 2621.3 | 17.22 | 17.29 | 17.12 | | | |
| | | 2595.0 | 17.73 | 17.86 | 17.72 | | | |
| | | 2568.8 | 17.91 | 17.62 | 17.59 | | | |
| | | 2542.5 | 17.57 | 17.66 | 17.75 | | | |
| | 36RB_19 | 2647.5 | 17.63 | 17.89 | 17.86 | | | |
| | | 2621.3 | 17.78 | 17.64 | 17.71 | | | |
| | | 2595.0 | 17.81 | 17.75 | 17.81 | | | |
| | | 2568.8 | 17.97 | 17.87 | 18.02 | | | |
| | | 2542.5 | 17.67 | 17.58 | 17.74 | | | |
| | 36RB_0 | 2647.5 | 17.58 | 17.97 | 17.65 | | | |
| | | 2621.3 | 17.43 | 17.69 | 17.83 | | | |
| | | 2595.0 | 17.70 | 18.05 | 17.57 | | | |
| | | 2568.8 | 17.72 | 17.90 | 17.64 | | | |
| | | 2542.5 | 17.39 | 17.44 | 17.60 | | | |
| | 75RB_0 | 2647.5 | 17.78 | 17.96 | 17.58 | | | |
| | | 2621.3 | 17.44 | 17.74 | 17.50 | | | |
| | | 2595.0 | 17.92 | 17.74 | 17.80 | | | |
| | | 2568.8 | 17.77 | 17.67 | 17.78 | | | |
| | | 2542.5 | 17.54 | 17.57 | 17.67 | | | |

| Ant.1 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2645.0 | 17.47 | 17.57 | 17.28 | 18.5 | 18.5 | 18.5 |
| | | 2620.0 | 17.51 | 17.51 | 17.29 | | | |
| | | 2595.0 | 17.34 | 17.48 | 17.21 | | | |
| | | 2570.0 | 17.48 | 17.52 | 17.30 | | | |
| | | 2545.0 | 17.38 | 17.42 | 17.17 | | | |
| | 1RB_50 | 2645.0 | **17.88** | 17.93 | 17.66 | | | |
| | | 2620.0 | 17.86 | 17.96 | 17.67 | | | |
| | | 2595.0 | 17.67 | 17.73 | 17.47 | | | |
| | | 2570.0 | 17.87 | 17.93 | 17.67 | | | |
| | | 2545.0 | 17.67 | 17.79 | 17.46 | | | |
| | 1RB_0 | 2645.0 | 17.62 | 17.71 | 17.39 | | | |
| | | 2620.0 | 17.50 | 17.57 | 17.30 | | | |
| | | 2595.0 | 17.34 | 17.48 | 17.09 | | | |
| | | 2570.0 | 17.44 | 17.62 | 17.29 | | | |
| | | 2545.0 | 17.37 | 17.41 | 17.08 | | | |
| | 50RB_50 | 2645.0 | **17.85** | 17.89 | 17.88 | 18.5 | 18.5 | 18.5 |
| | | 2620.0 | 17.71 | 17.81 | 17.77 | | | |
| | | 2595.0 | 17.66 | 17.71 | 17.68 | | | |
| | | 2570.0 | 17.76 | 17.77 | 17.78 | | | |
| | | 2545.0 | 17.68 | 17.71 | 17.69 | | | |
| | 50RB_25 | 2645.0 | 17.83 | 17.83 | 17.82 | | | |
| | | 2620.0 | 17.82 | 17.86 | 17.83 | | | |
| | | 2595.0 | 17.60 | 17.72 | 17.66 | | | |
| | | 2570.0 | 17.82 | 17.89 | 17.80 | | | |
| | | 2545.0 | 17.61 | 17.75 | 17.62 | | | |
| | 50RB_0 | 2645.0 | 17.78 | 17.82 | 17.72 | | | |
| | | 2620.0 | 17.77 | 17.91 | 17.84 | | | |
| | | 2595.0 | 17.54 | 17.59 | 17.61 | | | |
| | | 2570.0 | 17.83 | 17.87 | 17.82 | | | |
| | | 2545.0 | 17.57 | 17.59 | 17.58 | | | |
| | 100RB_0 | 2645.0 | 17.81 | 17.79 | 17.78 | | | |
| | | 2620.0 | 17.76 | 17.81 | 17.85 | | | |
| | | 2595.0 | 17.57 | 17.65 | 17.62 | | | |
| | | 2570.0 | 17.77 | 17.80 | 17.82 | | | |
| | | 2545.0 | 17.60 | 17.64 | 17.63 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2652.5 | 23.18 | 22.06 | 21.11 | 24.0 | 23.0 | 22.0 |
| | | 2623.8 | 23.07 | 22.14 | 21.12 | | | |
| | | 2595.0 | 23.07 | 22.23 | 21.12 | | | |
| | | 2566.3 | 23.02 | 22.16 | 21.09 | | | |
| | | 2537.5 | 23.05 | 22.25 | 21.06 | | | |
| | 1RB_12 | 2652.5 | 23.17 | 22.38 | 21.39 | | | |
| | | 2623.8 | 23.30 | 22.29 | 21.30 | | | |
| | | 2595.0 | 23.37 | 22.21 | 21.07 | | | |
| | | 2566.3 | 23.31 | 22.25 | 21.27 | | | |
| | | 2537.5 | 23.35 | 22.17 | 21.04 | | | |
| | 1RB_0 | 2652.5 | 23.39 | 22.09 | 21.13 | | | |
| | | 2623.8 | 23.26 | 22.25 | 21.26 | | | |
| | | 2595.0 | 23.20 | 22.19 | 21.05 | | | |
| | | 2566.3 | 23.29 | 22.25 | 21.24 | | | |
| | | 2537.5 | 23.19 | 22.16 | 21.07 | | | |
| | 12RB_13 | 2652.5 | 22.11 | 21.49 | 20.44 | 23.0 | 22.0 | 21.0 |
| | | 2623.8 | 22.49 | 21.03 | 20.26 | | | |
| | | 2595.0 | 22.26 | 21.09 | 20.19 | | | |
| | | 2566.3 | 22.46 | 21.07 | 20.15 | | | |
| | | 2537.5 | 22.20 | 21.09 | 20.20 | | | |
| | 12RB_6 | 2652.5 | 22.51 | 21.40 | 20.22 | | | |
| | | 2623.8 | 22.53 | 21.44 | 20.27 | | | |
| | | 2595.0 | 22.18 | 21.10 | 20.17 | | | |
| | | 2566.3 | 22.31 | 21.32 | 20.23 | | | |
| | | 2537.5 | 22.01 | 21.16 | 20.19 | | | |
| | 12RB_0 | 2652.5 | 22.33 | 21.27 | 20.28 | | | |
| | | 2623.8 | 22.36 | 21.51 | 20.18 | | | |
| | | 2595.0 | 22.22 | 21.29 | 20.09 | | | |
| | | 2566.3 | 22.34 | 21.47 | 20.18 | | | |
| | | 2537.5 | 22.27 | 21.31 | 20.09 | | | |
| | 25RB_0 | 2652.5 | 22.24 | 21.21 | 20.44 | | | |
| | | 2623.8 | 22.37 | 21.22 | 20.18 | | | |
| | | 2595.0 | 22.24 | 21.20 | 20.28 | | | |
| | | 2566.3 | 22.36 | 21.26 | 20.18 | | | |
| | | 2537.5 | 22.23 | 21.17 | 20.26 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2650.0 | 23.06 | 22.24 | 21.07 | 24.0 | 23.0 | 22.0 |
| | | 2622.5 | 22.98 | 21.99 | 21.22 | | | |
| | | 2595.0 | 23.12 | 22.07 | 21.00 | | | |
| | | 2567.5 | 23.04 | 22.04 | 21.21 | | | |
| | | 2540.0 | 23.21 | 22.05 | 21.06 | | | |
| | 1RB_24 | 2650.0 | 23.45 | 22.63 | 21.30 | | | |
| | | 2622.5 | 23.35 | 22.28 | 21.34 | | | |
| | | 2595.0 | 23.18 | 22.42 | 21.14 | | | |
| | | 2567.5 | 23.40 | 22.31 | 21.34 | | | |
| | | 2540.0 | 23.12 | 22.32 | 21.15 | | | |
| | 1RB_0 | 2650.0 | 23.28 | 22.35 | 21.04 | | | |
| | | 2622.5 | 23.31 | 22.05 | 21.01 | | | |
| | | 2595.0 | 22.97 | 22.13 | 21.14 | | | |
| | | 2567.5 | 23.37 | 22.02 | 20.99 | | | |
| | | 2540.0 | 23.03 | 22.19 | 21.15 | | | |
| | 25RB_25 | 2650.0 | 22.14 | 21.24 | 20.09 | 23.0 | 22.0 | 21.0 |
| | | 2622.5 | 22.35 | 21.31 | 20.36 | | | |
| | | 2595.0 | 22.18 | 21.34 | 20.16 | | | |
| | | 2567.5 | 22.39 | 21.28 | 20.25 | | | |
| | | 2540.0 | 22.18 | 21.35 | 20.15 | | | |
| | 25RB_12 | 2650.0 | 22.21 | 21.42 | 20.18 | | | |
| | | 2622.5 | 22.53 | 21.24 | 20.16 | | | |
| | | 2595.0 | 22.21 | 21.14 | 20.17 | | | |
| | | 2567.5 | 22.52 | 21.27 | 20.07 | | | |
| | | 2540.0 | 22.21 | 21.14 | 20.15 | | | |
| | 25RB_0 | 2650.0 | 22.21 | 21.34 | 20.20 | | | |
| | | 2622.5 | 22.37 | 21.26 | 20.28 | | | |
| | | 2595.0 | 22.14 | 21.12 | 20.17 | | | |
| | | 2567.5 | 22.34 | 21.29 | 20.31 | | | |
| | | 2540.0 | 22.09 | 21.17 | 20.10 | | | |
| | 50RB_0 | 2650.0 | 22.33 | 21.50 | 20.24 | | | |
| | | 2622.5 | 22.42 | 21.31 | 20.18 | | | |
| | | 2595.0 | 22.19 | 21.13 | 20.34 | | | |
| | | 2567.5 | 22.48 | 21.34 | 20.20 | | | |
| | | 2540.0 | 22.20 | 21.16 | 20.40 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2647.5 | 23.22 | 22.28 | 21.10 | 24.0 | 23.0 | 22.0 |
| | | 2621.3 | 23.20 | 22.22 | 21.01 | | | |
| | | 2595.0 | 23.05 | 22.09 | 21.24 | | | |
| | | 2568.8 | 23.28 | 22.04 | 21.05 | | | |
| | | 2542.5 | 23.04 | 22.11 | 21.15 | | | |
| | 1RB_37 | 2647.5 | 23.31 | 22.27 | 21.06 | | | |
| | | 2621.3 | 23.24 | 22.55 | 21.17 | | | |
| | | 2595.0 | 23.20 | 22.16 | 21.21 | | | |
| | | 2568.8 | 23.25 | 22.51 | 21.12 | | | |
| | | 2542.5 | 23.14 | 22.20 | 21.16 | | | |
| | 1RB_0 | 2647.5 | 23.21 | 22.35 | 21.16 | | | |
| | | 2621.3 | 23.20 | 22.10 | 21.04 | | | |
| | | 2595.0 | 23.29 | 22.23 | 21.06 | | | |
| | | 2568.8 | 23.18 | 22.11 | 21.03 | | | |
| | | 2542.5 | 23.19 | 22.22 | 21.09 | | | |
| | 36RB_38 | 2647.5 | 22.36 | 21.45 | 20.21 | 23.0 | 22.0 | 21.0 |
| | | 2621.3 | 22.39 | 21.23 | 20.17 | | | |
| | | 2595.0 | 22.16 | 21.08 | 20.06 | | | |
| | | 2568.8 | 22.45 | 21.22 | 20.16 | | | |
| | | 2542.5 | 22.21 | 21.02 | 20.05 | | | |
| | 36RB_19 | 2647.5 | 22.21 | 21.43 | 20.13 | | | |
| | | 2621.3 | 22.41 | 21.26 | 20.34 | | | |
| | | 2595.0 | 22.33 | 21.32 | 20.24 | | | |
| | | 2568.8 | 22.45 | 21.28 | 20.35 | | | |
| | | 2542.5 | 22.34 | 21.29 | 20.23 | | | |
| | 36RB_0 | 2647.5 | 22.39 | 21.28 | 20.19 | | | |
| | | 2621.3 | 22.32 | 21.43 | 20.23 | | | |
| | | 2595.0 | 22.14 | 21.13 | 20.09 | | | |
| | | 2568.8 | 22.40 | 21.45 | 20.20 | | | |
| | | 2542.5 | 22.14 | 21.12 | 20.09 | | | |
| | 75RB_0 | 2647.5 | 22.60 | 21.21 | 20.40 | | | |
| | | 2621.3 | 22.31 | 21.23 | 20.40 | | | |
| | | 2595.0 | 22.29 | 21.28 | 19.98 | | | |
| | | 2568.8 | 22.36 | 21.30 | 20.21 | | | |
| | | 2542.5 | 22.30 | 21.28 | 20.00 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2645.0 | 23.03 | 22.03 | 20.97 | 24.0 | 23.0 | 22.0 |
| | | 2620.0 | 23.11 | 22.20 | 21.03 | | | |
| | | 2595.0 | 23.02 | 22.00 | 21.07 | | | |
| | | 2570.0 | 23.11 | 22.18 | 21.10 | | | |
| | | 2545.0 | 23.03 | 22.07 | 21.13 | | | |
| | 1RB_50 | 2645.0 | 23.22 | 22.30 | 21.21 | | | |
| | | 2620.0 | 23.21 | 22.27 | 21.17 | | | |
| | | 2595.0 | **23.24** | 22.05 | 21.08 | | | |
| | | 2570.0 | 23.20 | 22.27 | 21.18 | | | |
| | | 2545.0 | 23.00 | 22.09 | 21.06 | | | |
| | 1RB_0 | 2645.0 | 23.02 | 22.08 | 21.21 | | | |
| | | 2620.0 | 23.17 | 22.24 | 21.12 | | | |
| | | 2595.0 | 23.17 | 22.18 | 21.03 | | | |
| | | 2570.0 | 23.16 | 21.99 | 21.12 | | | |
| | | 2545.0 | 23.12 | 22.22 | 21.11 | | | |
| | 50RB_50 | 2645.0 | 22.06 | 21.10 | 20.09 | 23.0 | 22.0 | 21.0 |
| | | 2620.0 | 22.08 | 21.00 | 20.09 | | | |
| | | 2595.0 | 22.08 | 21.13 | 20.16 | | | |
| | | 2570.0 | 22.05 | 20.99 | 20.08 | | | |
| | | 2545.0 | 22.08 | 21.04 | 20.15 | | | |
| | 50RB_25 | 2645.0 | **22.13** | 21.14 | 20.05 | | | |
| | | 2620.0 | 22.11 | 21.12 | 20.11 | | | |
| | | 2595.0 | 21.92 | 21.13 | 20.20 | | | |
| | | 2570.0 | 22.08 | 21.13 | 20.07 | | | |
| | | 2545.0 | 22.01 | 21.11 | 20.09 | | | |
| | 50RB_0 | 2645.0 | 22.12 | 21.08 | 20.06 | | | |
| | | 2620.0 | 22.09 | 21.07 | 20.06 | | | |
| | | 2595.0 | 22.12 | 21.06 | 20.07 | | | |
| | | 2570.0 | 22.06 | 21.17 | 20.19 | | | |
| | | 2545.0 | 22.09 | 21.04 | 20.29 | | | |
| | 100RB_0 | 2645.0 | 22.16 | 21.14 | 20.17 | | | |
| | | 2620.0 | 22.15 | 21.14 | 20.13 | | | |
| | | 2595.0 | 22.09 | 21.12 | 20.20 | | | |
| | | 2570.0 | 22.12 | 21.16 | 20.17 | | | |
| | | 2545.0 | 22.10 | 21.03 | 20.11 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 2652.5 | 20.84 | 21.03 | 20.86 | 22.0 | 22.0 | 22.0 |
| | | 2623.8 | 20.86 | 20.79 | 20.96 | | | |
| | | 2595.0 | 20.78 | 21.09 | 20.75 | | | |
| | | 2566.3 | 20.92 | 20.84 | 20.94 | | | |
| | | 2537.5 | 20.77 | 21.12 | 20.76 | | | |
| | 1RB_12 | 2652.5 | 21.21 | 21.41 | 21.03 | | | |
| | | 2623.8 | 21.25 | 21.30 | 21.13 | | | |
| | | 2595.0 | 20.98 | 21.09 | 20.90 | | | |
| | | 2566.3 | 21.12 | 21.26 | 21.20 | | | |
| | | 2537.5 | 20.93 | 21.16 | 20.96 | | | |
| | 1RB_0 | 2652.5 | 21.12 | 21.02 | 21.27 | | | |
| | | 2623.8 | 21.10 | 21.22 | 21.14 | | | |
| | | 2595.0 | 20.82 | 20.97 | 20.90 | | | |
| | | 2566.3 | 21.07 | 21.23 | 21.09 | | | |
| | | 2537.5 | 20.77 | 20.98 | 20.84 | | | |
| | 12RB_13 | 2652.5 | 20.94 | 21.27 | 20.27 | 22.0 | 22.0 | 21.0 |
| | | 2623.8 | 21.24 | 21.20 | 20.11 | | | |
| | | 2595.0 | 20.81 | 21.11 | 20.06 | | | |
| | | 2566.3 | 21.23 | 21.17 | 20.09 | | | |
| | | 2537.5 | 20.77 | 21.07 | 20.04 | | | |
| | 12RB_6 | 2652.5 | 21.35 | 21.38 | 20.16 | | | |
| | | 2623.8 | 21.19 | 21.29 | 20.08 | | | |
| | | 2595.0 | 21.15 | 21.07 | 20.24 | | | |
| | | 2566.3 | 21.12 | 21.30 | 20.08 | | | |
| | | 2537.5 | 21.17 | 21.04 | 20.27 | | | |
| | 12RB_0 | 2652.5 | 21.19 | 21.26 | 20.14 | | | |
| | | 2623.8 | 21.34 | 21.28 | 20.28 | | | |
| | | 2595.0 | 20.80 | 20.94 | 19.80 | | | |
| | | 2566.3 | 21.31 | 21.36 | 20.16 | | | |
| | | 2537.5 | 20.78 | 20.94 | 19.86 | | | |
| | 25RB_0 | 2652.5 | 21.20 | 21.29 | 20.30 | | | |
| | | 2623.8 | 21.14 | 21.14 | 20.19 | | | |
| | | 2595.0 | 20.84 | 21.26 | 20.19 | | | |
| | | 2566.3 | 21.06 | 21.16 | 20.06 | | | |
| | | 2537.5 | 20.88 | 21.23 | 20.17 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 2650.0 | 20.76 | 20.68 | 20.82 | 22.0 | 22.0 | 22.0 |
| | | 2622.5 | 20.99 | 21.03 | 20.84 | | | |
| | | 2595.0 | 20.70 | 20.96 | 20.44 | | | |
| | | 2567.5 | 20.93 | 21.07 | 20.90 | | | |
| | | 2540.0 | 20.73 | 20.91 | 20.48 | | | |
| | 1RB_24 | 2650.0 | 21.19 | 21.24 | 21.15 | | | |
| | | 2622.5 | 21.05 | 21.22 | 21.13 | | | |
| | | 2595.0 | 21.07 | 20.92 | 20.67 | | | |
| | | 2567.5 | 21.01 | 21.27 | 21.17 | | | |
| | | 2540.0 | 21.05 | 20.96 | 20.68 | | | |
| | 1RB_0 | 2650.0 | 21.00 | 20.88 | 21.06 | | | |
| | | 2622.5 | 20.71 | 20.74 | 20.82 | | | |
| | | 2595.0 | 20.79 | 20.94 | 20.78 | | | |
| | | 2567.5 | 20.74 | 20.73 | 20.80 | | | |
| | | 2540.0 | 20.77 | 20.95 | 20.73 | | | |
| | 25RB_25 | 2650.0 | 21.20 | 20.90 | 20.05 | 22.0 | 22.0 | 21.0 |
| | | 2622.5 | 21.12 | 20.92 | 20.04 | | | |
| | | 2595.0 | 20.81 | 21.16 | 20.00 | | | |
| | | 2567.5 | 21.13 | 20.87 | 20.05 | | | |
| | | 2540.0 | 20.82 | 21.11 | 19.94 | | | |
| | 25RB_12 | 2650.0 | 21.25 | 21.00 | 20.21 | | | |
| | | 2622.5 | 20.95 | 20.99 | 20.12 | | | |
| | | 2595.0 | 21.06 | 20.83 | 19.86 | | | |
| | | 2567.5 | 20.94 | 21.03 | 20.12 | | | |
| | | 2540.0 | 21.11 | 20.81 | 19.89 | | | |
| | 25RB_0 | 2650.0 | 21.36 | 21.23 | 20.20 | | | |
| | | 2622.5 | 21.11 | 21.20 | 20.09 | | | |
| | | 2595.0 | 20.67 | 21.11 | 19.76 | | | |
| | | 2567.5 | 21.08 | 21.18 | 20.10 | | | |
| | | 2540.0 | 20.74 | 21.11 | 19.79 | | | |
| | 50RB_0 | 2650.0 | 21.25 | 20.95 | 20.23 | | | |
| | | 2622.5 | 21.12 | 20.94 | 20.27 | | | |
| | | 2595.0 | 21.10 | 21.14 | 19.91 | | | |
| | | 2567.5 | 21.17 | 20.94 | 20.30 | | | |
| | | 2540.0 | 21.08 | 21.14 | 19.94 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 2647.5 | 20.99 | 20.81 | 20.80 | 22.0 | 22.0 | 22.0 |
| | | 2621.3 | 20.75 | 21.13 | 21.00 | | | |
| | | 2595.0 | 20.91 | 20.86 | 20.81 | | | |
| | | 2568.8 | 20.76 | 21.06 | 20.94 | | | |
| | | 2542.5 | 20.94 | 20.89 | 20.78 | | | |
| | 1RB_37 | 2647.5 | 21.18 | 21.28 | 21.06 | | | |
| | | 2621.3 | 21.26 | 21.21 | 21.12 | | | |
| | | 2595.0 | 21.05 | 21.08 | 20.94 | | | |
| | | 2568.8 | 21.29 | 21.25 | 21.29 | | | |
| | | 2542.5 | 21.07 | 21.10 | 21.00 | | | |
| | 1RB_0 | 2647.5 | 21.10 | 21.08 | 21.27 | | | |
| | | 2621.3 | 20.68 | 21.15 | 20.93 | | | |
| | | 2595.0 | 20.66 | 20.61 | 20.84 | | | |
| | | 2568.8 | 20.74 | 21.18 | 20.97 | | | |
| | | 2542.5 | 20.65 | 20.61 | 20.77 | | | |
| | 36RB_38 | 2647.5 | 21.16 | 20.92 | 20.21 | 22.0 | 22.0 | 21.0 |
| | | 2621.3 | 21.04 | 20.90 | 19.86 | | | |
| | | 2595.0 | 20.81 | 20.80 | 19.79 | | | |
| | | 2568.8 | 21.06 | 20.91 | 19.80 | | | |
| | | 2542.5 | 20.80 | 20.75 | 19.83 | | | |
| | 36RB_19 | 2647.5 | 21.14 | 20.99 | 19.79 | | | |
| | | 2621.3 | 21.03 | 21.22 | 20.19 | | | |
| | | 2595.0 | 21.08 | 20.99 | 19.80 | | | |
| | | 2568.8 | 20.99 | 21.23 | 20.21 | | | |
| | | 2542.5 | 21.08 | 20.97 | 19.77 | | | |
| | 36RB_0 | 2647.5 | 21.05 | 21.14 | 20.17 | | | |
| | | 2621.3 | 21.05 | 21.29 | 20.13 | | | |
| | | 2595.0 | 20.93 | 21.04 | 19.62 | | | |
| | | 2568.8 | 20.98 | 21.25 | 20.12 | | | |
| | | 2542.5 | 20.92 | 20.98 | 19.70 | | | |
| | 75RB_0 | 2647.5 | 21.27 | 21.21 | 20.23 | | | |
| | | 2621.3 | 21.12 | 21.13 | 19.92 | | | |
| | | 2595.0 | 20.88 | 20.75 | 19.98 | | | |
| | | 2568.8 | 21.14 | 21.16 | 19.96 | | | |
| | | 2542.5 | 20.90 | 20.81 | 19.98 | | | |

| Ant.0 - Power Level B1/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 41 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 2645.0 | 20.90 | 20.93 | 20.87 | 22.0 | 22.0 | 22.0 |
| | | 2620.0 | 20.94 | 20.97 | 20.93 | | | |
| | | 2595.0 | 20.86 | 20.97 | 20.82 | | | |
| | | 2570.0 | 20.98 | 20.98 | 21.00 | | | |
| | | 2545.0 | 20.86 | 20.97 | 20.83 | | | |
| | 1RB_50 | 2645.0 | **21.14** | 21.17 | 21.08 | | | |
| | | 2620.0 | 21.12 | 21.27 | 21.03 | | | |
| | | 2595.0 | 21.09 | 21.22 | 21.10 | | | |
| | | 2570.0 | 21.03 | 21.22 | 21.24 | | | |
| | | 2545.0 | 21.12 | 21.21 | 21.10 | | | |
| | 1RB_0 | 2645.0 | 21.10 | 21.19 | 21.09 | | | |
| | | 2620.0 | 21.01 | 21.07 | 20.99 | | | |
| | | 2595.0 | 20.79 | 20.92 | 20.80 | | | |
| | | 2570.0 | 21.02 | 21.04 | 21.01 | | | |
| | | 2545.0 | 20.84 | 20.91 | 20.82 | | | |
| | 50RB_50 | 2645.0 | 20.97 | 21.21 | 20.18 | 22.0 | 22.0 | 21.0 |
| | | 2620.0 | 20.88 | 21.19 | 20.16 | | | |
| | | 2595.0 | 20.88 | 21.10 | 20.03 | | | |
| | | 2570.0 | 20.91 | 21.15 | 20.13 | | | |
| | | 2545.0 | 20.73 | 21.08 | 20.03 | | | |
| | 50RB_25 | 2645.0 | 21.02 | 21.22 | 20.21 | | | |
| | | 2620.0 | 21.00 | 21.25 | 20.23 | | | |
| | | 2595.0 | 20.77 | 21.10 | 20.08 | | | |
| | | 2570.0 | 20.97 | 21.23 | 20.20 | | | |
| | | 2545.0 | 20.77 | 21.12 | 20.03 | | | |
| | 50RB_0 | 2645.0 | **21.04** | 21.04 | 20.18 | | | |
| | | 2620.0 | 21.02 | 20.95 | 20.23 | | | |
| | | 2595.0 | 20.72 | 20.84 | 20.07 | | | |
| | | 2570.0 | 20.99 | 21.03 | 20.09 | | | |
| | | 2545.0 | 20.69 | 20.82 | 20.13 | | | |
| | 100RB_0 | 2645.0 | 21.06 | 21.05 | 20.00 | | | |
| | | 2620.0 | 20.98 | 21.01 | 20.01 | | | |
| | | 2595.0 | 20.80 | 20.86 | 20.15 | | | |
| | | 2570.0 | 20.99 | 20.96 | 20.03 | | | |
| | | 2545.0 | 20.83 | 20.82 | 20.06 | | | |

| Ant.1 - Power Level A1/A2/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 1779.3 | 18.61 | 19.01 | 18.85 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.24 | 19.30 | 19.09 | | | |
| | | 1710.7 | 18.92 | 19.48 | 19.33 | | | |
| | 1RB_3 | 1779.3 | 19.35 | 19.50 | 19.53 | | | |
| | | 1745.0 | 19.40 | 19.73 | 19.47 | | | |
| | | 1710.7 | 19.38 | 19.66 | 19.69 | | | |
| | 1RB_0 | 1779.3 | 19.00 | 19.56 | 18.79 | | | |
| | | 1745.0 | 19.17 | 19.55 | 19.44 | | | |
| | | 1710.7 | 19.06 | 19.31 | 19.33 | | | |
| | 3RB_3 | 1779.3 | 18.57 | 19.19 | 18.58 | | | |
| | | 1745.0 | 19.09 | 19.49 | 19.33 | | | |
| | | 1710.7 | 19.09 | 19.41 | 19.16 | | | |
| | 3RB_1 | 1779.3 | 19.60 | 19.48 | 19.36 | | | |
| | | 1745.0 | 19.40 | 19.73 | 19.63 | | | |
| | | 1710.7 | 19.50 | 19.71 | 19.34 | | | |
| | 3RB_0 | 1779.3 | 18.95 | 19.49 | 18.85 | | | |
| | | 1745.0 | 19.34 | 19.56 | 19.36 | | | |
| | | 1710.7 | 18.93 | 19.20 | 19.14 | | | |
| | 6RB_0 | 1779.3 | 19.40 | 19.18 | 19.13 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.51 | 19.66 | 19.28 | | | |
| | | 1710.7 | 19.19 | 19.14 | 19.38 | | | |

| Ant.1 - Power Level A1/A2/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 1778.5 | 18.59 | 19.41 | 18.71 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 18.99 | 19.60 | 19.36 | | | |
| | | 1711.5 | 19.05 | 19.10 | 19.10 | | | |
| | 1RB_7 | 1778.5 | 19.59 | 19.47 | 19.40 | | | |
| | | 1745.0 | 19.50 | 19.62 | 19.76 | | | |
| | | 1711.5 | 19.08 | 19.85 | 19.64 | | | |
| | 1RB_0 | 1778.5 | 18.97 | 19.29 | 19.23 | | | |
| | | 1745.0 | 19.20 | 19.52 | 19.44 | | | |
| | | 1711.5 | 19.05 | 19.23 | 19.00 | | | |
| | 8RB_7 | 1778.5 | 19.57 | 19.61 | 19.30 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.41 | 19.41 | 19.37 | | | |
| | | 1711.5 | 19.19 | 19.32 | 19.34 | | | |
| | 8RB_4 | 1778.5 | 19.27 | 19.12 | 19.36 | | | |
| | | 1745.0 | 19.69 | 19.80 | 19.72 | | | |
| | | 1711.5 | 19.52 | 19.23 | 19.45 | | | |
| | 8RB_0 | 1778.5 | 19.30 | 19.64 | 19.45 | | | |
| | | 1745.0 | 19.71 | 19.55 | 19.35 | | | |
| | | 1711.5 | 19.12 | 18.91 | 19.15 | | | |
| | 15RB_0 | 1778.5 | 19.15 | 19.25 | 19.35 | | | |
| | | 1745.0 | 19.74 | 19.46 | 19.69 | | | |
| | | 1711.5 | 19.34 | 19.41 | 19.34 | | | |

| Ant.1 - Power Level A1/A2/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 1777.5 | 18.53 | 19.06 | 18.68 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.26 | 19.56 | 19.09 | | | |
| | | 1712.5 | 19.10 | 19.21 | 19.05 | | | |
| | 1RB_12 | 1777.5 | 19.65 | 19.67 | 19.39 | | | |
| | | 1745.0 | 19.65 | 19.70 | 19.63 | | | |
| | | 1712.5 | 19.43 | 19.70 | 19.61 | | | |
| | 1RB_0 | 1777.5 | 18.82 | 19.50 | 18.98 | | | |
| | | 1745.0 | 19.39 | 19.49 | 19.53 | | | |
| | | 1712.5 | 19.02 | 19.27 | 19.15 | | | |
| | 12RB_13 | 1777.5 | 19.15 | 19.48 | 19.07 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.57 | 19.56 | 19.19 | | | |
| | | 1712.5 | 19.19 | 19.39 | 19.21 | | | |
| | 12RB_6 | 1777.5 | 19.39 | 19.48 | 19.25 | | | |
| | | 1745.0 | 19.49 | 19.53 | 19.35 | | | |
| | | 1712.5 | 19.31 | 19.32 | 19.34 | | | |
| | 12RB_0 | 1777.5 | 19.57 | 19.23 | 19.19 | | | |
| | | 1745.0 | 19.51 | 19.40 | 19.36 | | | |
| | | 1712.5 | 19.22 | 19.33 | 19.19 | | | |
| | 25RB_0 | 1777.5 | 19.17 | 19.52 | 19.16 | | | |
| | | 1745.0 | 19.60 | 19.64 | 19.43 | | | |
| | | 1712.5 | 19.07 | 19.30 | 19.36 | | | |

| Ant.1 - Power Level A1/A2/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 1775.0 | 18.52 | 19.11 | 18.61 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.31 | 19.52 | 19.48 | | | |
| | | 1715.0 | 19.02 | 19.35 | 19.34 | | | |
| | 1RB_24 | 1775.0 | 19.66 | 19.69 | 19.59 | | | |
| | | 1745.0 | 19.67 | 19.63 | 19.56 | | | |
| | | 1715.0 | 19.20 | 19.50 | 19.40 | | | |
| | 1RB_0 | 1775.0 | 18.83 | 19.51 | 18.71 | | | |
| | | 1745.0 | 19.25 | 19.47 | 19.26 | | | |
| | | 1715.0 | 19.21 | 19.16 | 19.09 | | | |
| | 25RB_25 | 1775.0 | 19.43 | 19.46 | 19.10 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.56 | 19.62 | 19.53 | | | |
| | | 1715.0 | 19.15 | 19.18 | 19.43 | | | |
| | 25RB_12 | 1775.0 | 19.50 | 19.30 | 19.22 | | | |
| | | 1745.0 | 19.56 | 19.44 | 19.38 | | | |
| | | 1715.0 | 19.45 | 19.13 | 19.21 | | | |
| | 25RB_0 | 1775.0 | 19.28 | 19.33 | 19.21 | | | |
| | | 1745.0 | 19.75 | 19.73 | 19.67 | | | |
| | | 1715.0 | 19.25 | 19.31 | 19.31 | | | |
| | 50RB_0 | 1775.0 | 19.16 | 19.23 | 19.25 | | | |
| | | 1745.0 | 19.44 | 19.53 | 19.53 | | | |
| | | 1715.0 | 19.38 | 19.09 | 19.35 | | | |

| Ant.1 - Power Level A1/A2/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 1772.5 | 18.46 | 19.27 | 18.66 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.04 | 19.58 | 19.18 | | | |
| | | 1717.5 | 19.17 | 19.14 | 19.25 | | | |
| | 1RB_37 | 1772.5 | 19.57 | 19.46 | 19.35 | | | |
| | | 1745.0 | 19.38 | 19.84 | 19.59 | | | |
| | | 1717.5 | 19.15 | 19.76 | 19.49 | | | |
| | 1RB_0 | 1772.5 | 19.00 | 19.47 | 19.11 | | | |
| | | 1745.0 | 19.05 | 19.55 | 19.28 | | | |
| | | 1717.5 | 19.03 | 19.34 | 19.00 | | | |
| | 36RB_38 | 1772.5 | 19.50 | 19.51 | 19.39 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.58 | 19.43 | 19.52 | | | |
| | | 1717.5 | 19.15 | 19.27 | 19.16 | | | |
| | 36RB_19 | 1772.5 | 19.22 | 19.22 | 19.45 | | | |
| | | 1745.0 | 19.51 | 19.69 | 19.55 | | | |
| | | 1717.5 | 19.35 | 19.29 | 19.39 | | | |
| | 36RB_0 | 1772.5 | 19.25 | 19.46 | 19.25 | | | |
| | | 1745.0 | 19.54 | 19.74 | 19.44 | | | |
| | | 1717.5 | 19.27 | 19.09 | 19.27 | | | |
| | 75RB_0 | 1772.5 | 19.25 | 19.45 | 19.41 | | | |
| | | 1745.0 | 19.68 | 19.32 | 19.56 | | | |
| | | 1717.5 | 19.41 | 19.26 | 19.33 | | | |

| Ant.1 - Power Level A1/A2/B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 1770.0 | 18.50 | 19.11 | 18.65 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.14 | 19.43 | 19.28 | | | |
| | | 1720.0 | 19.03 | 19.31 | 19.22 | | | |
| | 1RB_50 | 1770.0 | 19.48 | 19.57 | 19.41 | | | |
| | | 1745.0 | **19.49** | 19.82 | 19.66 | | | |
| | | 1720.0 | 19.35 | 19.64 | 19.49 | | | |
| | 1RB_0 | 1770.0 | 18.91 | 19.39 | 18.91 | | | |
| | | 1745.0 | 19.22 | 19.48 | 19.36 | | | |
| | | 1720.0 | 19.02 | 19.33 | 19.18 | | | |
| | 50RB_50 | 1770.0 | 19.34 | 19.38 | 19.27 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.39 | 19.43 | 19.38 | | | |
| | | 1720.0 | 19.29 | 19.27 | 19.27 | | | |
| | 50RB_25 | 1770.0 | 19.37 | 19.39 | 19.36 | | | |
| | | 1745.0 | 19.49 | 19.52 | 19.49 | | | |
| | | 1720.0 | 19.28 | 19.26 | 19.26 | | | |
| | 50RB_0 | 1770.0 | 19.38 | 19.35 | 19.25 | | | |
| | | 1745.0 | **19.64** | 19.59 | 19.55 | | | |
| | | 1720.0 | 19.31 | 19.14 | 19.18 | | | |
| | 100RB_0 | 1770.0 | 19.34 | 19.33 | 19.33 | | | |
| | | 1745.0 | 19.50 | 19.47 | 19.45 | | | |
| | | 1720.0 | 19.27 | 19.21 | 19.20 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 1779.3 | 21.13 | 21.18 | 21.08 | 22.0 | 22.0 | 22.0 |
| | | 1745.0 | 21.20 | 21.11 | 21.15 | | | |
| | | 1710.7 | 21.07 | 21.24 | 21.11 | | | |
| | 1RB_3 | 1779.3 | 21.48 | 21.37 | 21.12 | | | |
| | | 1745.0 | 21.44 | 21.28 | 21.37 | | | |
| | | 1710.7 | 21.31 | 21.42 | 21.57 | | | |
| | 1RB_0 | 1779.3 | 21.22 | 21.08 | 21.09 | | | |
| | | 1745.0 | 21.11 | 21.30 | 21.18 | | | |
| | | 1710.7 | 21.18 | 21.22 | 21.10 | | | |
| | 3RB_3 | 1779.3 | 20.66 | 21.07 | 20.87 | | | |
| | | 1745.0 | 21.32 | 21.21 | 21.10 | | | |
| | | 1710.7 | 21.06 | 21.01 | 21.01 | | | |
| | 3RB_1 | 1779.3 | 21.28 | 21.63 | 21.01 | | | |
| | | 1745.0 | 21.29 | 21.53 | 21.08 | | | |
| | | 1710.7 | 21.50 | 21.36 | 21.19 | | | |
| | 3RB_0 | 1779.3 | 21.05 | 21.24 | 21.04 | | | |
| | | 1745.0 | 21.16 | 21.16 | 21.16 | | | |
| | | 1710.7 | 21.15 | 21.38 | 21.17 | | | |
| | 6RB_0 | 1779.3 | 21.00 | 21.04 | 20.06 | 22.0 | 22.0 | 21.0 |
| | | 1745.0 | 21.49 | 21.26 | 20.16 | | | |
| | | 1710.7 | 21.30 | 21.45 | 20.09 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 1778.5 | 21.17 | 21.01 | 21.04 | 22.0 | 22.0 | 22.0 |
| | | 1745.0 | 21.16 | 21.28 | 21.22 | | | |
| | | 1711.5 | 21.11 | 21.07 | 21.24 | | | |
| | 1RB_7 | 1778.5 | 21.30 | 21.60 | 21.01 | | | |
| | | 1745.0 | 21.33 | 21.50 | 21.19 | | | |
| | | 1711.5 | 21.26 | 21.61 | 21.10 | | | |
| | 1RB_0 | 1778.5 | 21.12 | 21.10 | 21.23 | | | |
| | | 1745.0 | 21.27 | 21.16 | 21.00 | | | |
| | | 1711.5 | 21.22 | 21.05 | 21.13 | | | |
| | 8RB_7 | 1778.5 | 21.43 | 21.28 | 20.08 | 22.0 | 22.0 | 21.0 |
| | | 1745.0 | 21.41 | 21.27 | 20.11 | | | |
| | | 1711.5 | 21.16 | 21.04 | 20.17 | | | |
| | 8RB_4 | 1778.5 | 21.19 | 21.11 | 20.14 | | | |
| | | 1745.0 | 21.38 | 21.11 | 20.23 | | | |
| | | 1711.5 | 21.12 | 21.24 | 20.31 | | | |
| | 8RB_0 | 1778.5 | 21.15 | 21.18 | 20.12 | | | |
| | | 1745.0 | 21.54 | 21.14 | 20.35 | | | |
| | | 1711.5 | 21.35 | 21.11 | 20.42 | | | |
| | 15RB_0 | 1778.5 | 21.12 | 21.19 | 20.05 | | | |
| | | 1745.0 | 21.14 | 21.18 | 20.13 | | | |
| | | 1711.5 | 21.55 | 21.18 | 20.13 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 1777.5 | 21.10 | 21.34 | 21.04 | 22.0 | 22.0 | 22.0 |
| | | 1745.0 | 21.04 | 21.20 | 21.08 | | | |
| | | 1712.5 | 21.06 | 21.06 | 21.13 | | | |
| | 1RB_12 | 1777.5 | 21.51 | 21.53 | 21.10 | | | |
| | | 1745.0 | 21.41 | 21.55 | 21.09 | | | |
| | | 1712.5 | 21.40 | 21.43 | 21.35 | | | |
| | 1RB_0 | 1777.5 | 21.18 | 21.01 | 21.10 | | | |
| | | 1745.0 | 21.02 | 21.07 | 21.22 | | | |
| | | 1712.5 | 21.42 | 21.16 | 21.15 | | | |
| | 12RB_13 | 1777.5 | 21.19 | 21.08 | 20.05 | 22.0 | 22.0 | 21.0 |
| | | 1745.0 | 21.39 | 21.30 | 20.14 | | | |
| | | 1712.5 | 21.24 | 21.12 | 20.31 | | | |
| | 12RB_6 | 1777.5 | 21.22 | 21.21 | 20.16 | | | |
| | | 1745.0 | 21.61 | 21.14 | 20.25 | | | |
| | | 1712.5 | 21.39 | 21.11 | 20.16 | | | |
| | 12RB_0 | 1777.5 | 21.03 | 21.09 | 20.24 | | | |
| | | 1745.0 | 21.13 | 21.07 | 20.49 | | | |
| | | 1712.5 | 21.09 | 21.03 | 20.29 | | | |
| | 25RB_0 | 1777.5 | 21.21 | 21.02 | 20.21 | | | |
| | | 1745.0 | 21.30 | 21.56 | 20.44 | | | |
| | | 1712.5 | 21.37 | 21.14 | 20.31 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 1775.0 | 21.20 | 21.38 | 21.04 | 22.0 | 22.0 | 22.0 |
| | | 1745.0 | 21.03 | 21.15 | 21.01 | | | |
| | | 1715.0 | 21.21 | 21.14 | 21.24 | | | |
| | 1RB_24 | 1775.0 | 21.37 | 21.56 | 21.23 | | | |
| | | 1745.0 | 21.18 | 21.40 | 21.00 | | | |
| | | 1715.0 | 21.15 | 21.43 | 21.22 | | | |
| | 1RB_0 | 1775.0 | 21.02 | 21.06 | 21.16 | | | |
| | | 1745.0 | 21.30 | 21.28 | 21.07 | | | |
| | | 1715.0 | 21.01 | 21.38 | 21.23 | | | |
| | 25RB_25 | 1775.0 | 21.21 | 21.29 | 20.15 | 22.0 | 22.0 | 21.0 |
| | | 1745.0 | 21.30 | 21.05 | 20.03 | | | |
| | | 1715.0 | 21.16 | 21.18 | 20.30 | | | |
| | 25RB_12 | 1775.0 | 21.09 | 21.23 | 20.22 | | | |
| | | 1745.0 | 21.51 | 21.09 | 20.01 | | | |
| | | 1715.0 | 21.39 | 21.28 | 20.34 | | | |
| | 25RB_0 | 1775.0 | 21.11 | 21.03 | 20.05 | | | |
| | | 1745.0 | 21.14 | 21.23 | 20.52 | | | |
| | | 1715.0 | 21.22 | 21.05 | 20.05 | | | |
| | 50RB_0 | 1775.0 | 21.16 | 21.12 | 20.28 | | | |
| | | 1745.0 | 21.50 | 21.28 | 20.38 | | | |
| | | 1715.0 | 21.14 | 21.08 | 20.12 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 1772.5 | 21.09 | 21.22 | 21.05 | 22.0 | 22.0 | 22.0 |
| | | 1745.0 | 21.04 | 21.17 | 21.02 | | | |
| | | 1717.5 | 21.25 | 21.13 | 21.08 | | | |
| | 1RB_37 | 1772.5 | 21.30 | 21.59 | 21.17 | | | |
| | | 1745.0 | 21.19 | 21.57 | 21.25 | | | |
| | | 1717.5 | 21.24 | 21.60 | 21.28 | | | |
| | 1RB_0 | 1772.5 | 21.17 | 21.21 | 21.15 | | | |
| | | 1745.0 | 21.27 | 21.08 | 21.04 | | | |
| | | 1717.5 | 21.04 | 21.24 | 21.22 | | | |
| | 36RB_38 | 1772.5 | 21.34 | 21.40 | 20.15 | 22.0 | 22.0 | 21.0 |
| | | 1745.0 | 21.39 | 21.14 | 20.00 | | | |
| | | 1717.5 | 21.19 | 21.11 | 20.08 | | | |
| | 36RB_19 | 1772.5 | 21.02 | 21.18 | 20.09 | | | |
| | | 1745.0 | 21.39 | 21.17 | 20.22 | | | |
| | | 1717.5 | 21.17 | 21.01 | 20.13 | | | |
| | 36RB_0 | 1772.5 | 21.20 | 21.03 | 20.26 | | | |
| | | 1745.0 | 21.36 | 21.26 | 20.59 | | | |
| | | 1717.5 | 21.36 | 21.15 | 20.26 | | | |
| | 75RB_0 | 1772.5 | 21.22 | 21.26 | 20.16 | | | |
| | | 1745.0 | 21.26 | 21.36 | 20.32 | | | |
| | | 1717.5 | 21.36 | 21.08 | 20.21 | | | |

| Ant.1 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 1770.0 | 21.18 | 21.25 | 21.00 | 22.0 | 22.0 | 22.0 |
| | | 1745.0 | 21.03 | 21.04 | 21.04 | | | |
| | | 1720.0 | 21.20 | 21.16 | 21.16 | | | |
| | 1RB_50 | 1770.0 | **21.46** | 21.43 | 21.08 | | | |
| | | 1745.0 | 21.36 | 21.40 | 21.19 | | | |
| | | 1720.0 | 21.32 | 21.54 | 21.38 | | | |
| | 1RB_0 | 1770.0 | 21.14 | 21.18 | 21.15 | | | |
| | | 1745.0 | 21.00 | 21.17 | 21.14 | | | |
| | | 1720.0 | 21.12 | 21.23 | 21.02 | | | |
| | 50RB_50 | 1770.0 | 21.29 | 21.27 | 20.08 | 22.0 | 22.0 | 21.0 |
| | | 1745.0 | 21.27 | 21.22 | 20.11 | | | |
| | | 1720.0 | 21.32 | 21.28 | 20.19 | | | |
| | 50RB_25 | 1770.0 | 21.22 | 21.04 | 20.28 | | | |
| | | 1745.0 | **21.41** | 21.24 | 20.11 | | | |
| | | 1720.0 | 21.28 | 21.20 | 20.30 | | | |
| | 50RB_0 | 1770.0 | 21.06 | 21.12 | 20.11 | | | |
| | | 1745.0 | 21.31 | 21.24 | 20.49 | | | |
| | | 1720.0 | 21.16 | 21.21 | 20.17 | | | |
| | 100RB_0 | 1770.0 | 21.08 | 21.17 | 20.08 | | | |
| | | 1745.0 | 21.31 | 21.40 | 20.31 | | | |
| | | 1720.0 | 21.28 | 21.27 | 20.25 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 1779.3 | 22.50 | 21.65 | 20.29 | 24.0 | 23.0 | 22.0 |
| | | 1745.0 | 22.52 | 21.51 | 20.58 | | | |
| | | 1710.7 | 22.29 | 21.79 | 20.58 | | | |
| | 1RB_3 | 1779.3 | 23.01 | 21.91 | 20.95 | | | |
| | | 1745.0 | 22.90 | 21.92 | 20.79 | | | |
| | | 1710.7 | 22.83 | 21.82 | 20.74 | | | |
| | 1RB_0 | 1779.3 | 22.73 | 21.67 | 20.66 | | | |
| | | 1745.0 | 22.50 | 21.84 | 20.67 | | | |
| | | 1710.7 | 22.41 | 21.43 | 20.58 | | | |
| | 3RB_3 | 1779.3 | 22.55 | 21.74 | 20.32 | | | |
| | | 1745.0 | 22.71 | 21.54 | 20.57 | | | |
| | | 1710.7 | 22.37 | 21.59 | 20.65 | | | |
| | 3RB_1 | 1779.3 | 22.95 | 21.90 | 20.98 | | | |
| | | 1745.0 | 23.06 | 22.00 | 20.72 | | | |
| | | 1710.7 | 22.81 | 21.83 | 20.93 | | | |
| | 3RB_0 | 1779.3 | 22.74 | 21.65 | 20.79 | | | |
| | | 1745.0 | 22.52 | 21.88 | 20.52 | | | |
| | | 1710.7 | 22.49 | 21.76 | 20.40 | | | |
| | 6RB_0 | 1779.3 | 21.60 | 20.80 | 19.76 | 23.0 | 22.0 | 21.0 |
| | | 1745.0 | 21.82 | 20.76 | 19.48 | | | |
| | | 1710.7 | 21.64 | 20.42 | 19.41 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 1778.5 | 22.78 | 21.57 | 20.10 | 24.0 | 23.0 | 22.0 |
| | | 1745.0 | 22.53 | 21.96 | 20.81 | | | |
| | | 1711.5 | 22.59 | 21.95 | 20.71 | | | |
| | 1RB_7 | 1778.5 | 22.88 | 21.93 | 21.05 | | | |
| | | 1745.0 | 22.93 | 22.21 | 20.75 | | | |
| | | 1711.5 | 22.84 | 22.02 | 20.75 | | | |
| | 1RB_0 | 1778.5 | 22.67 | 21.64 | 20.29 | | | |
| | | 1745.0 | 22.72 | 21.75 | 20.39 | | | |
| | | 1711.5 | 22.52 | 21.48 | 20.33 | | | |
| | 8RB_7 | 1778.5 | 21.93 | 20.26 | 19.61 | 23.0 | 22.0 | 21.0 |
| | | 1745.0 | 21.88 | 20.93 | 19.68 | | | |
| | | 1711.5 | 21.32 | 20.83 | 19.53 | | | |
| | 8RB_4 | 1778.5 | 21.53 | 20.97 | 19.67 | | | |
| | | 1745.0 | 21.74 | 20.75 | 19.96 | | | |
| | | 1711.5 | 21.52 | 20.46 | 19.45 | | | |
| | 8RB_0 | 1778.5 | 21.74 | 20.27 | 19.75 | | | |
| | | 1745.0 | 21.68 | 20.76 | 19.71 | | | |
| | | 1711.5 | 21.73 | 20.34 | 19.14 | | | |
| | 15RB_0 | 1778.5 | 21.46 | 20.61 | 19.58 | | | |
| | | 1745.0 | 21.89 | 20.70 | 19.34 | | | |
| | | 1711.5 | 21.47 | 20.42 | 19.29 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 1777.5 | 22.56 | 21.68 | 20.34 | 24.0 | 23.0 | 22.0 |
| | | 1745.0 | 22.55 | 21.52 | 20.58 | | | |
| | | 1712.5 | 22.62 | 21.70 | 20.34 | | | |
| | 1RB_12 | 1777.5 | 22.86 | 21.75 | 21.04 | | | |
| | | 1745.0 | 22.99 | 22.03 | 20.86 | | | |
| | | 1712.5 | 22.59 | 21.78 | 20.85 | | | |
| | 1RB_0 | 1777.5 | 22.84 | 21.73 | 20.69 | | | |
| | | 1745.0 | 22.73 | 21.68 | 20.50 | | | |
| | | 1712.5 | 22.40 | 21.37 | 20.44 | | | |
| | 12RB_13 | 1777.5 | 21.59 | 20.83 | 19.83 | 23.0 | 22.0 | 21.0 |
| | | 1745.0 | 21.71 | 20.83 | 19.63 | | | |
| | | 1712.5 | 21.53 | 20.35 | 19.56 | | | |
| | 12RB_6 | 1777.5 | 21.52 | 20.61 | 19.51 | | | |
| | | 1745.0 | 21.71 | 20.67 | 19.87 | | | |
| | | 1712.5 | 21.40 | 20.40 | 19.69 | | | |
| | 12RB_0 | 1777.5 | 21.44 | 20.80 | 19.67 | | | |
| | | 1745.0 | 21.89 | 20.70 | 19.72 | | | |
| | | 1712.5 | 21.48 | 20.21 | 19.54 | | | |
| | 25RB_0 | 1777.5 | 21.80 | 20.65 | 19.76 | | | |
| | | 1745.0 | 21.78 | 20.66 | 19.62 | | | |
| | | 1712.5 | 21.42 | 20.44 | 19.58 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 1775.0 | 22.53 | 21.83 | 20.25 | 24.0 | 23.0 | 22.0 |
| | | 1745.0 | 22.44 | 21.49 | 20.36 | | | |
| | | 1715.0 | 22.50 | 21.53 | 20.54 | | | |
| | 1RB_24 | 1775.0 | 22.98 | 21.82 | 20.71 | | | |
| | | 1745.0 | 22.99 | 21.92 | 20.95 | | | |
| | | 1715.0 | 22.61 | 22.08 | 20.85 | | | |
| | 1RB_0 | 1775.0 | 22.55 | 21.78 | 20.49 | | | |
| | | 1745.0 | 22.60 | 21.57 | 20.50 | | | |
| | | 1715.0 | 22.59 | 21.57 | 20.55 | | | |
| | 25RB_25 | 1775.0 | 21.58 | 20.76 | 19.55 | 23.0 | 22.0 | 21.0 |
| | | 1745.0 | 21.70 | 20.69 | 19.64 | | | |
| | | 1715.0 | 21.52 | 20.37 | 19.37 | | | |
| | 25RB_12 | 1775.0 | 21.88 | 20.69 | 19.57 | | | |
| | | 1745.0 | 21.88 | 20.66 | 19.72 | | | |
| | | 1715.0 | 21.59 | 20.50 | 19.45 | | | |
| | 25RB_0 | 1775.0 | 21.80 | 20.64 | 19.61 | | | |
| | | 1745.0 | 21.69 | 20.79 | 19.68 | | | |
| | | 1715.0 | 21.60 | 20.41 | 19.50 | | | |
| | 50RB_0 | 1775.0 | 21.74 | 20.71 | 19.75 | | | |
| | | 1745.0 | 21.58 | 20.76 | 19.70 | | | |
| | | 1715.0 | 21.45 | 20.36 | 19.56 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 1772.5 | 22.74 | 21.64 | 20.28 | 24.0 | 23.0 | 22.0 |
| | | 1745.0 | 22.57 | 21.79 | 20.62 | | | |
| | | 1717.5 | 22.59 | 21.77 | 20.64 | | | |
| | 1RB_37 | 1772.5 | 22.94 | 21.78 | 20.90 | | | |
| | | 1745.0 | 22.73 | 22.16 | 20.69 | | | |
| | | 1717.5 | 22.60 | 22.00 | 20.87 | | | |
| | 1RB_0 | 1772.5 | 22.43 | 21.56 | 20.46 | | | |
| | | 1745.0 | 22.56 | 21.60 | 20.55 | | | |
| | | 1717.5 | 22.72 | 21.62 | 20.26 | | | |
| | 36RB_38 | 1772.5 | 21.78 | 20.45 | 19.53 | 23.0 | 22.0 | 21.0 |
| | | 1745.0 | 21.71 | 20.86 | 19.74 | | | |
| | | 1717.5 | 21.41 | 20.72 | 19.38 | | | |
| | 36RB_19 | 1772.5 | 21.71 | 20.88 | 19.55 | | | |
| | | 1745.0 | 21.70 | 20.87 | 19.78 | | | |
| | | 1717.5 | 21.48 | 20.48 | 19.54 | | | |
| | 36RB_0 | 1772.5 | 21.66 | 20.44 | 19.58 | | | |
| | | 1745.0 | 21.80 | 20.77 | 19.60 | | | |
| | | 1717.5 | 21.62 | 20.23 | 19.30 | | | |
| | 75RB_0 | 1772.5 | 21.44 | 20.54 | 19.75 | | | |
| | | 1745.0 | 21.92 | 20.86 | 19.50 | | | |
| | | 1717.5 | 21.54 | 20.47 | 19.47 | | | |

| Ant.0 - Power Level A1/A2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 1770.0 | 22.53 | 21.64 | 20.39 | 24.0 | 23.0 | 22.0 |
| | | 1745.0 | 22.55 | 21.61 | 20.45 | | | |
| | | 1720.0 | 22.63 | 21.61 | 20.50 | | | |
| | 1RB_50 | 1770.0 | 22.82 | 21.95 | 20.88 | | | |
| | | 1745.0 | **22.83** | 22.07 | 20.88 | | | |
| | | 1720.0 | 22.56 | 21.88 | 20.79 | | | |
| | 1RB_0 | 1770.0 | 22.45 | 21.65 | 20.62 | | | |
| | | 1745.0 | 22.41 | 21.73 | 20.57 | | | |
| | | 1720.0 | 22.33 | 21.56 | 20.44 | | | |
| | 50RB_50 | 1770.0 | 21.70 | 20.65 | 19.66 | 23.0 | 22.0 | 21.0 |
| | | 1745.0 | 21.64 | 20.66 | 19.62 | | | |
| | | 1720.0 | 21.51 | 20.54 | 19.56 | | | |
| | 50RB_25 | 1770.0 | 21.70 | 20.72 | 19.69 | | | |
| | | 1745.0 | 21.71 | 20.74 | 19.70 | | | |
| | | 1720.0 | 21.57 | 20.53 | 19.53 | | | |
| | 50RB_0 | 1770.0 | 21.64 | 20.63 | 19.61 | | | |
| | | 1745.0 | **21.80** | 20.82 | 19.78 | | | |
| | | 1720.0 | 21.45 | 20.39 | 19.40 | | | |
| | 100RB_0 | 1770.0 | 21.64 | 20.63 | 19.64 | | | |
| | | 1745.0 | 21.72 | 20.71 | 19.68 | | | |
| | | 1720.0 | 21.50 | 20.45 | 19.42 | | | |

| Ant.0 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 1779.3 | 19.88 | 19.90 | 19.56 | 21.0 | 21.0 | 21.0 |
| | | 1745.0 | 19.78 | 19.79 | 19.84 | | | |
| | | 1710.7 | 19.72 | 19.77 | 19.55 | | | |
| | 1RB_3 | 1779.3 | 19.90 | 20.28 | 19.60 | | | |
| | | 1745.0 | 20.09 | 20.32 | 19.71 | | | |
| | | 1710.7 | 19.93 | 20.41 | 19.75 | | | |
| | 1RB_0 | 1779.3 | 19.73 | 20.27 | 19.79 | | | |
| | | 1745.0 | 19.74 | 19.57 | 19.77 | | | |
| | | 1710.7 | 19.78 | 19.67 | 19.70 | | | |
| | 3RB_3 | 1779.3 | 19.58 | 20.06 | 19.51 | | | |
| | | 1745.0 | 19.80 | 19.87 | 19.76 | | | |
| | | 1710.7 | 19.76 | 19.96 | 19.64 | | | |
| | 3RB_1 | 1779.3 | 20.09 | 20.39 | 19.74 | | | |
| | | 1745.0 | 19.95 | 19.98 | 19.74 | | | |
| | | 1710.7 | 19.82 | 20.11 | 19.56 | | | |
| | 3RB_0 | 1779.3 | 19.89 | 20.25 | 19.66 | | | |
| | | 1745.0 | 19.79 | 19.62 | 19.88 | | | |
| | | 1710.7 | 19.53 | 19.52 | 19.61 | | | |
| | 6RB_0 | 1779.3 | 19.95 | 20.15 | 19.85 | 21.0 | 21.0 | 21.0 |
| | | 1745.0 | 20.05 | 19.64 | 19.79 | | | |
| | | 1710.7 | 19.91 | 19.74 | 19.77 | | | |

| Ant.0 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 1778.5 | 19.59 | 19.95 | 19.80 | 21.0 | 21.0 | 21.0 |
| | | 1745.0 | 19.72 | 20.02 | 19.86 | | | |
| | | 1711.5 | 19.83 | 19.78 | 19.83 | | | |
| | 1RB_7 | 1778.5 | 20.27 | 20.42 | 19.87 | | | |
| | | 1745.0 | 20.18 | 20.02 | 19.83 | | | |
| | | 1711.5 | 20.08 | 19.84 | 19.57 | | | |
| | 1RB_0 | 1778.5 | 19.82 | 20.16 | 19.80 | | | |
| | | 1745.0 | 19.61 | 19.58 | 19.82 | | | |
| | | 1711.5 | 19.69 | 19.75 | 19.76 | | | |
| | 8RB_7 | 1778.5 | 20.11 | 20.11 | 19.54 | 21.0 | 21.0 | 21.0 |
| | | 1745.0 | 20.13 | 19.82 | 19.75 | | | |
| | | 1711.5 | 19.55 | 19.83 | 19.64 | | | |
| | 8RB_4 | 1778.5 | 19.98 | 20.10 | 19.74 | | | |
| | | 1745.0 | 20.14 | 19.98 | 19.74 | | | |
| | | 1711.5 | 20.09 | 19.83 | 19.56 | | | |
| | 8RB_0 | 1778.5 | 20.09 | 20.00 | 19.66 | | | |
| | | 1745.0 | 20.08 | 19.60 | 19.88 | | | |
| | | 1711.5 | 19.88 | 19.87 | 19.61 | | | |
| | 15RB_0 | 1778.5 | 19.86 | 19.84 | 19.85 | | | |
| | | 1745.0 | 20.03 | 19.52 | 19.79 | | | |
| | | 1711.5 | 19.53 | 19.80 | 19.77 | | | |

| Ant.0 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 1777.5 | 19.82 | 20.10 | 19.80 | 21.0 | 21.0 | 21.0 |
| | | 1745.0 | 19.63 | 19.92 | 19.86 | | | |
| | | 1712.5 | 19.75 | 19.71 | 19.83 | | | |
| | 1RB_12 | 1777.5 | 19.77 | 20.38 | 19.87 | | | |
| | | 1745.0 | 20.01 | 20.22 | 19.83 | | | |
| | | 1712.5 | 19.97 | 20.37 | 19.57 | | | |
| | 1RB_0 | 1777.5 | 19.61 | 20.30 | 19.80 | | | |
| | | 1745.0 | 19.94 | 19.59 | 19.82 | | | |
| | | 1712.5 | 19.52 | 19.58 | 19.76 | | | |
| | 12RB_13 | 1777.5 | 20.13 | 20.17 | 19.68 | 21.0 | 21.0 | 21.0 |
| | | 1745.0 | 20.01 | 19.65 | 19.70 | | | |
| | | 1712.5 | 19.73 | 20.07 | 19.85 | | | |
| | 12RB_6 | 1777.5 | 20.17 | 20.15 | 19.79 | | | |
| | | 1745.0 | 20.20 | 19.62 | 19.77 | | | |
| | | 1712.5 | 20.05 | 19.91 | 19.72 | | | |
| | 12RB_0 | 1777.5 | 20.11 | 20.06 | 19.80 | | | |
| | | 1745.0 | 20.10 | 19.88 | 19.86 | | | |
| | | 1712.5 | 19.94 | 19.93 | 19.83 | | | |
| | 25RB_0 | 1777.5 | 20.23 | 20.16 | 19.87 | | | |
| | | 1745.0 | 20.24 | 19.78 | 19.83 | | | |
| | | 1712.5 | 19.88 | 19.91 | 19.57 | | | |

| Ant.0 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 1775.0 | 19.52 | 19.97 | 19.82 | 21.0 | 21.0 | 21.0 |
| | | 1745.0 | 19.57 | 19.78 | 19.76 | | | |
| | | 1715.0 | 19.74 | 19.86 | 19.72 | | | |
| | 1RB_24 | 1775.0 | 20.06 | 20.50 | 19.80 | | | |
| | | 1745.0 | 20.26 | 19.97 | 19.86 | | | |
| | | 1715.0 | 19.81 | 20.03 | 19.91 | | | |
| | 1RB_0 | 1775.0 | 19.81 | 20.23 | 19.58 | | | |
| | | 1745.0 | 19.72 | 19.64 | 19.68 | | | |
| | | 1715.0 | 19.57 | 19.68 | 19.51 | | | |
| | 25RB_25 | 1775.0 | 20.16 | 20.13 | 19.82 | 21.0 | 21.0 | 21.0 |
| | | 1745.0 | 19.92 | 19.72 | 19.80 | | | |
| | | 1715.0 | 19.89 | 20.02 | 19.86 | | | |
| | 25RB_12 | 1775.0 | 20.20 | 20.17 | 20.27 | | | |
| | | 1745.0 | 20.12 | 19.64 | 19.86 | | | |
| | | 1715.0 | 19.98 | 19.79 | 19.72 | | | |
| | 25RB_0 | 1775.0 | 20.02 | 20.11 | 19.79 | | | |
| | | 1745.0 | 20.11 | 19.68 | 19.60 | | | |
| | | 1715.0 | 19.95 | 19.69 | 19.57 | | | |
| | 50RB_0 | 1775.0 | 20.10 | 19.83 | 20.08 | | | |
| | | 1745.0 | 20.31 | 19.69 | 19.66 | | | |
| | | 1715.0 | 19.81 | 19.65 | 19.63 | | | |

| Ant.0 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 1772.5 | 19.65 | 19.92 | 19.83 | 21.0 | 21.0 | 21.0 |
| | | 1745.0 | 19.88 | 19.90 | 19.87 | | | |
| | | 1717.5 | 19.68 | 19.88 | 19.83 | | | |
| | 1RB_37 | 1772.5 | 20.14 | 20.41 | 19.57 | | | |
| | | 1745.0 | 20.09 | 20.22 | 19.80 | | | |
| | | 1717.5 | 20.06 | 20.04 | 19.82 | | | |
| | 1RB_0 | 1772.5 | 19.76 | 20.32 | 19.76 | | | |
| | | 1745.0 | 19.57 | 19.55 | 19.65 | | | |
| | | 1717.5 | 19.68 | 19.55 | 19.80 | | | |
| | 36RB_38 | 1772.5 | 20.14 | 20.03 | 19.82 | 21.0 | 21.0 | 21.0 |
| | | 1745.0 | 20.23 | 19.88 | 19.76 | | | |
| | | 1717.5 | 19.67 | 19.96 | 19.73 | | | |
| | 36RB_19 | 1772.5 | 20.17 | 20.25 | 20.21 | | | |
| | | 1745.0 | 20.17 | 19.79 | 19.60 | | | |
| | | 1717.5 | 19.95 | 19.80 | 19.89 | | | |
| | 36RB_0 | 1772.5 | 20.13 | 19.87 | 19.71 | | | |
| | | 1745.0 | 20.14 | 19.69 | 19.53 | | | |
| | | 1717.5 | 19.79 | 19.69 | 19.97 | | | |
| | 75RB_0 | 1772.5 | 19.90 | 19.86 | 20.07 | | | |
| | | 1745.0 | 20.00 | 19.56 | 19.66 | | | |
| | | 1717.5 | 19.71 | 19.84 | 19.58 | | | |

| Ant.0 - Power Level B1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 1770.0 | 19.82 | 20.10 | 19.83 | 21.0 | 21.0 | 21.0 |
| | | 1745.0 | 19.71 | 19.85 | 19.69 | | | |
| | | 1720.0 | 19.59 | 19.89 | 19.77 | | | |
| | 1RB_50 | 1770.0 | 19.96 | 20.45 | 20.08 | | | |
| | | 1745.0 | **20.11** | 20.16 | 19.84 | | | |
| | | 1720.0 | 19.89 | 20.22 | 20.10 | | | |
| | 1RB_0 | 1770.0 | 19.79 | 20.22 | 19.68 | | | |
| | | 1745.0 | 19.77 | 19.74 | 19.75 | | | |
| | | 1720.0 | 19.55 | 19.54 | 19.86 | | | |
| | 50RB_50 | 1770.0 | 19.97 | 20.06 | 19.67 | 21.0 | 21.0 | 21.0 |
| | | 1745.0 | 20.07 | 19.52 | 19.52 | | | |
| | | 1720.0 | 19.86 | 19.92 | 19.62 | | | |
| | 50RB_25 | 1770.0 | 20.06 | 20.05 | 20.07 | | | |
| | | 1745.0 | 20.11 | 19.72 | 19.61 | | | |
| | | 1720.0 | 19.90 | 19.97 | 19.74 | | | |
| | 50RB_0 | 1770.0 | 20.00 | 19.96 | 19.78 | | | |
| | | 1745.0 | **20.19** | 19.68 | 19.67 | | | |
| | | 1720.0 | 19.77 | 19.80 | 19.95 | | | |
| | 100RB_0 | 1770.0 | 20.07 | 20.01 | 19.99 | | | |
| | | 1745.0 | 20.14 | 19.64 | 19.58 | | | |
| | | 1720.0 | 19.81 | 19.83 | 19.73 | | | |

| Ant.0 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 1.4 MHz | 1RB_5 | 1779.3 | 18.78 | 18.80 | 18.81 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 18.66 | 19.01 | 18.98 | | | |
| | | 1710.7 | 18.77 | 19.00 | 18.62 | | | |
| | 1RB_3 | 1779.3 | 19.30 | 19.30 | 19.17 | | | |
| | | 1745.0 | 19.09 | 19.57 | 19.27 | | | |
| | | 1710.7 | 18.97 | 19.24 | 19.22 | | | |
| | 1RB_0 | 1779.3 | 18.75 | 19.03 | 19.04 | | | |
| | | 1745.0 | 18.82 | 19.33 | 18.83 | | | |
| | | 1710.7 | 18.58 | 19.10 | 18.85 | | | |
| | 3RB_3 | 1779.3 | 18.76 | 19.07 | 18.98 | | | |
| | | 1745.0 | 18.83 | 19.24 | 19.02 | | | |
| | | 1710.7 | 18.81 | 18.83 | 18.91 | | | |
| | 3RB_1 | 1779.3 | 19.22 | 19.33 | 19.11 | | | |
| | | 1745.0 | 19.07 | 19.24 | 19.14 | | | |
| | | 1710.7 | 18.89 | 19.16 | 19.22 | | | |
| | 3RB_0 | 1779.3 | 18.81 | 19.11 | 18.97 | | | |
| | | 1745.0 | 18.76 | 19.33 | 19.00 | | | |
| | | 1710.7 | 18.70 | 19.01 | 18.81 | | | |
| | 6RB_0 | 1779.3 | 19.16 | 18.94 | 19.18 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.21 | 18.92 | 18.99 | | | |
| | | 1710.7 | 18.97 | 18.83 | 18.88 | | | |

| Ant.0 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 3 MHz | 1RB_14 | 1778.5 | 18.78 | 19.06 | 18.93 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 18.93 | 19.29 | 19.11 | | | |
| | | 1711.5 | 18.73 | 19.02 | 18.42 | | | |
| | 1RB_7 | 1778.5 | 19.03 | 19.08 | 19.13 | | | |
| | | 1745.0 | 19.24 | 19.23 | 19.08 | | | |
| | | 1711.5 | 19.05 | 19.14 | 18.97 | | | |
| | 1RB_0 | 1778.5 | 18.79 | 18.95 | 18.97 | | | |
| | | 1745.0 | 18.96 | 19.11 | 18.86 | | | |
| | | 1711.5 | 18.65 | 19.03 | 18.54 | | | |
| | 8RB_7 | 1778.5 | 18.96 | 18.95 | 18.95 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.17 | 19.06 | 19.00 | | | |
| | | 1711.5 | 18.98 | 19.18 | 18.79 | | | |
| | 8RB_4 | 1778.5 | 19.37 | 19.17 | 19.16 | | | |
| | | 1745.0 | 18.86 | 18.96 | 19.16 | | | |
| | | 1711.5 | 18.93 | 19.00 | 19.04 | | | |
| | 8RB_0 | 1778.5 | 19.03 | 18.88 | 19.11 | | | |
| | | 1745.0 | 19.28 | 19.36 | 19.29 | | | |
| | | 1711.5 | 18.98 | 18.93 | 18.77 | | | |
| | 15RB_0 | 1778.5 | 19.09 | 19.06 | 19.02 | | | |
| | | 1745.0 | 19.33 | 19.13 | 19.01 | | | |
| | | 1711.5 | 18.72 | 18.67 | 18.84 | | | |

| Ant.0 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5 MHz | 1RB_24 | 1777.5 | 18.82 | 18.90 | 19.03 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.00 | 19.14 | 18.74 | | | |
| | | 1712.5 | 18.68 | 18.78 | 18.79 | | | |
| | 1RB_12 | 1777.5 | 19.13 | 19.19 | 19.35 | | | |
| | | 1745.0 | 19.22 | 19.27 | 19.48 | | | |
| | | 1712.5 | 19.07 | 19.38 | 18.85 | | | |
| | 1RB_0 | 1777.5 | 18.92 | 18.93 | 19.06 | | | |
| | | 1745.0 | 18.79 | 19.31 | 19.04 | | | |
| | | 1712.5 | 18.65 | 18.76 | 18.81 | | | |
| | 12RB_13 | 1777.5 | 19.14 | 19.18 | 19.09 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.23 | 18.94 | 18.99 | | | |
| | | 1712.5 | 18.99 | 18.89 | 18.95 | | | |
| | 12RB_6 | 1777.5 | 19.08 | 18.91 | 19.19 | | | |
| | | 1745.0 | 19.02 | 19.11 | 18.93 | | | |
| | | 1712.5 | 19.11 | 18.95 | 19.03 | | | |
| | 12RB_0 | 1777.5 | 19.06 | 18.82 | 19.04 | | | |
| | | 1745.0 | 19.09 | 19.12 | 19.23 | | | |
| | | 1712.5 | 18.86 | 18.73 | 18.78 | | | |
| | 25RB_0 | 1777.5 | 19.03 | 18.78 | 18.82 | | | |
| | | 1745.0 | 19.06 | 19.22 | 19.20 | | | |
| | | 1712.5 | 18.68 | 18.97 | 18.61 | | | |

| Ant.0 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 10 MHz | 1RB_49 | 1775.0 | 18.67 | 18.85 | 19.05 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 18.60 | 18.92 | 18.78 | | | |
| | | 1715.0 | 18.83 | 18.95 | 18.92 | | | |
| | 1RB_24 | 1775.0 | 18.98 | 19.08 | 18.98 | | | |
| | | 1745.0 | 19.17 | 19.50 | 19.45 | | | |
| | | 1715.0 | 19.12 | 19.40 | 19.06 | | | |
| | 1RB_0 | 1775.0 | 18.87 | 18.94 | 19.03 | | | |
| | | 1745.0 | 18.67 | 19.18 | 19.01 | | | |
| | | 1715.0 | 18.66 | 18.75 | 18.81 | | | |
| | 25RB_25 | 1775.0 | 18.94 | 18.99 | 19.16 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.10 | 19.20 | 19.04 | | | |
| | | 1715.0 | 18.98 | 18.79 | 18.77 | | | |
| | 25RB_12 | 1775.0 | 19.17 | 19.03 | 18.91 | | | |
| | | 1745.0 | 18.92 | 19.21 | 19.30 | | | |
| | | 1715.0 | 19.13 | 18.97 | 18.73 | | | |
| | 25RB_0 | 1775.0 | 18.87 | 19.19 | 18.80 | | | |
| | | 1745.0 | 19.37 | 19.15 | 19.25 | | | |
| | | 1715.0 | 19.01 | 18.71 | 18.82 | | | |
| | 50RB_0 | 1775.0 | 19.11 | 18.95 | 19.14 | | | |
| | | 1745.0 | 19.28 | 19.17 | 18.98 | | | |
| | | 1715.0 | 18.73 | 18.95 | 18.94 | | | |

| Ant.0 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 15 MHz | 1RB_74 | 1772.5 | 18.66 | 18.86 | 19.00 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 18.80 | 19.11 | 19.11 | | | |
| | | 1717.5 | 18.77 | 18.83 | 18.55 | | | |
| | 1RB_37 | 1772.5 | 19.19 | 19.26 | 18.98 | | | |
| | | 1745.0 | 19.13 | 19.42 | 19.15 | | | |
| | | 1717.5 | 18.96 | 19.07 | 18.84 | | | |
| | 1RB_0 | 1772.5 | 18.70 | 19.07 | 18.97 | | | |
| | | 1745.0 | 18.88 | 18.97 | 18.88 | | | |
| | | 1717.5 | 18.84 | 18.93 | 18.61 | | | |
| | 36RB_38 | 1772.5 | 19.03 | 19.07 | 19.12 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.22 | 18.91 | 19.01 | | | |
| | | 1717.5 | 18.82 | 19.02 | 18.64 | | | |
| | 36RB_19 | 1772.5 | 19.17 | 18.99 | 19.25 | | | |
| | | 1745.0 | 18.94 | 18.89 | 19.24 | | | |
| | | 1717.5 | 18.81 | 18.93 | 18.98 | | | |
| | 36RB_0 | 1772.5 | 19.01 | 18.83 | 18.97 | | | |
| | | 1745.0 | 19.38 | 19.36 | 19.09 | | | |
| | | 1717.5 | 19.01 | 18.75 | 18.65 | | | |
| | 75RB_0 | 1772.5 | 18.96 | 18.93 | 19.13 | | | |
| | | 1745.0 | 19.24 | 18.93 | 19.01 | | | |
| | | 1717.5 | 18.80 | 18.75 | 18.79 | | | |

| Ant.0 - Power Level B2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE Band 66 | | | Actual output Power (dBm) | | | Tune up | | |
| Band -width | RB No. / RB offset | Frequency (MHz) | Modulation | | | Modulation | | |
| | | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 20 MHz | 1RB_99 | 1770.0 | 18.73 | 18.94 | 18.85 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 18.80 | 19.04 | 18.91 | | | |
| | | 1720.0 | 18.66 | 18.91 | 18.75 | | | |
| | 1RB_50 | 1770.0 | 19.11 | 19.22 | 19.18 | | | |
| | | 1745.0 | **19.15** | 19.39 | 19.29 | | | |
| | | 1720.0 | 18.98 | 19.25 | 19.02 | | | |
| | 1RB_0 | 1770.0 | 18.85 | 19.04 | 18.93 | | | |
| | | 1745.0 | 18.84 | 19.13 | 19.02 | | | |
| | | 1720.0 | 18.68 | 18.95 | 18.79 | | | |
| | 50RB_50 | 1770.0 | 19.06 | 19.02 | 19.01 | 20.0 | 20.0 | 20.0 |
| | | 1745.0 | 19.03 | 19.04 | 19.08 | | | |
| | | 1720.0 | 18.87 | 18.85 | 18.81 | | | |
| | 50RB_25 | 1770.0 | 19.11 | 19.06 | 19.05 | | | |
| | | 1745.0 | 19.09 | 19.09 | 19.10 | | | |
| | | 1720.0 | 18.95 | 18.89 | 18.87 | | | |
| | 50RB_0 | 1770.0 | 19.06 | 19.02 | 19.00 | | | |
| | | 1745.0 | **19.21** | 19.22 | 19.20 | | | |
| | | 1720.0 | 18.81 | 18.78 | 18.76 | | | |
| | 100RB_0 | 1770.0 | 19.03 | 18.98 | 19.00 | | | |
| | | 1745.0 | 19.14 | 19.11 | 19.06 | | | |
| | | 1720.0 | 18.84 | 18.80 | 18.81 | | | |

## 10.4. Bluetooth and WLAN Measurement result

**Table 10.5: The conducted Power measurement results for Bluetooth**

| Power Level C1/C2/D1/D2 | | | | |
|---|---|---|---|---|
| Averaged Power (dBm) | | | | |
| Mode | Tune up | Ch.0 (2402MHz) | Ch.39 (2441MHz) | Ch.78 (2480MHz) |
| GFSK | 12.5 | 10.13 | 10.05 | **10.89** |
| EDR2M-4_DQPSK | 11.5 | 9.92 | 9.71 | 9.95 |
| EDR3M-8DPSK | 11.5 | 9.86 | 9.56 | 10.12 |
| / | / | Ch.0 (2402MHz) | Ch.19 (2440MHz) | Ch.39 (2480MHz) |
| BLE(1M) | -1.0 | -3.56 | -3.29 | -2.91 |
| BLE(2M) | -1.0 | -3.51 | -3.25 | -2.89 |

**Table 10.6: The conducted Power measurement results for WLAN 2.4GHz**

| Power Level C1 | | | | |
|---|---|---|---|---|
| Averaged Power (dBm) Duty Cycle: **100%** | | | | |
| Mode | Tune up | Ch.1 (2412MHz) | Ch.6 (2437MHz) | Ch.11 (2462MHz) |
| 802.11b | 18.0 | 15.89 | **16.24** | 15.96 |
| 802.11g | 18.0 | 15.88 | 16.15 | 15.80 |
| 802.11n(20MHz) | 18.0 | 15.79 | 16.16 | 15.87 |
| 802.11ac(20MHz) | 17.5 | 15.33 | 15.65 | 15.37 |
| / | / | Ch.3 (2422MHz) | Ch.6 (2437MHz) | Ch.9 (2452MHz) |
| 802.11n(40MHz) | 18.0 | 16.16 | 16.40 | 16.19 |
| 802.11ac(40MHz) | 17.5 | 15.65 | 15.77 | 15.71 |
| **Power Level C2** | | | | |
| Averaged Power (dBm) Duty Cycle: **100%** | | | | |
| Mode | Tune up | Ch.1 (2412MHz) | Ch.6 (2437MHz) | Ch.11 (2462MHz) |
| 802.11b | 14.5 | 12.60 | **12.91** | 12.57 |
| 802.11g | 14.5 | 12.45 | 12.79 | 12.53 |
| 802.11n(20MHz) | 14.5 | 12.30 | 12.74 | 12.46 |
| 802.11ac(20MHz) | 14.5 | 12.42 | 12.73 | 12.44 |
| / | / | Ch.3 (2422MHz) | Ch.6 (2437MHz) | Ch.9 (2452MHz) |
| 802.11n(40MHz) | 14.5 | 12.75 | 12.88 | 12.83 |
| 802.11ac(40MHz) | 14.5 | 12.73 | 12.82 | 12.79 |

| Power Level D1 | | | | |
|---|---|---|---|---|
| Averaged Power (dBm) Duty Cycle: **100%** | | | | |
| Mode | **Tune up** | Ch.1 (2412MHz) | Ch.6 (2437MHz) | Ch.11 (2462MHz) |
| 802.11b | **19.5** | 17.45 | **17.68** | 17.38 |
| 802.11g | **18.5** | 16.34 | 16.67 | 16.41 |
| 802.11n(20MHz) | **18.5** | 16.18 | 16.62 | 16.34 |
| 802.11ac(20MHz) | **17.5** | 15.33 | 15.65 | 15.37 |
| / | **/** | Ch.3 (2422MHz) | Ch.6 (2437MHz) | Ch.9 (2452MHz) |
| 802.11n(40MHz) | **18.5** | 16.63 | 16.78 | 16.71 |
| 802.11ac(40MHz) | **17.5** | 15.65 | 15.77 | 15.71 |
| **Power Level D2** | | | | |
| Averaged Power (dBm) Duty Cycle: **100%** | | | | |
| Mode | **Tune up** | Ch.1 (2412MHz) | Ch.6 (2437MHz) | Ch.11 (2462MHz) |
| 802.11b | **18.5** | 16.47 | **16.72** | 16.45 |
| 802.11g | **18.5** | 16.34 | 16.67 | 16.41 |
| 802.11n(20MHz) | **18.5** | 16.18 | 16.62 | 16.34 |
| 802.11ac(20MHz) | **17.5** | 15.33 | 15.65 | 15.37 |
| / | **/** | Ch.3 (2422MHz) | Ch.6 (2437MHz) | Ch.9 (2452MHz) |
| 802.11n(40MHz) | **18.5** | 16.63 | 16.78 | 16.71 |
| 802.11ac(40MHz) | **17.5** | 15.65 | 15.77 | 15.71 |

**Table 10.7: The conducted Power measurement results for WLAN 5GHz**

| Power Level C1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Averaged Power (dBm) Duty Cycle: **100%** | | | | | | | | |
| Mode | 802.11a | 802.11n -20MHz | 802.11ac -20MHz | Mode | 802.11n -40MHz | 802.11ac -40MHz | Mode | 802.11ac -80MHz |
| Channel | 6Mbps | MCS0 | MCS0 | Channel | MCS0 | MCS0 | Channel | MCS0 |
| **<U-NII-1>** | | | | | | | | |
| **Tune up** | **18.5** | **18.5** | **18.5** | / | **18.5** | **18.5** | / | **18.5** |
| 36(5180MHz) | 16.67 | 16.66 | 16.79 | 38(5190MHz) | 16.69 | 16.59 | 42(5210MHz) | 16.54 |
| 40(5200MHz) | 16.75 | 16.70 | 16.78 | 46(5230MHz) | 16.62 | 16.71 | / | / |
| 44(5220MHz) | 16.75 | 16.67 | 16.80 | / | / | / | / | / |
| 48(5240MHz) | 16.78 | 16.68 | 16.67 | / | / | / | / | / |
| **<U-NII-2A>** | | | | | | | | |
| **Tune up** | **18.5** | **18.5** | **18.5** | / | **18.5** | **18.5** | / | **18.5** |
| 52(5260MHz) | 16.90 | 16.73 | 16.69 | 54(5270MHz) | 16.72 | 16.69 | 58(5290MHz) | **16.66** |
| 56(5280MHz) | 16.78 | 16.67 | 16.63 | 62(5310MHz) | 16.60 | 16.56 | / | / |
| 60(5300MHz) | 16.83 | 16.70 | 16.77 | / | / | / | / | / |
| 64(5320MHz) | 16.77 | 16.57 | 16.73 | / | / | / | / | / |
| **<U-NII-2C>** | | | | | | | | |
| **Tune up** | **17.0** | **17.0** | **17.0** | / | **17.0** | **17.0** | / | **17.0** |
| 100(5500MHz) | 15.32 | 15.21 | 15.22 | 102(5510MHz) | 15.17 | 15.06 | 106(5530MHz) | 15.08 |
| 116(5580MHz) | 15.22 | 15.15 | 15.18 | 110(5550MHz) | 15.13 | 15.11 | 122(5610MHz) | **15.24** |
| 124(5620MHz) | 15.30 | 15.16 | 15.13 | 126(5630MHz) | 15.05 | 15.02 | / | / |
| 132(5660MHz) | 15.27 | 15.13 | 15.14 | 134(5670MHz) | 15.23 | 15.11 | / | / |
| 140(5700MHz) | 15.22 | 15.18 | 15.07 | / | / | / | / | / |
| **<U-NII-3>** | | | | | | | | |
| **Tune up** | **17.0** | **17.0** | **17.0** | / | **17.0** | **17.0** | / | **17.0** |
| 149(5745MHz) | 15.48 | 15.40 | 15.46 | 151(5755MHz) | 15.34 | 15.19 | 155(5775MHz) | **15.27** |
| 157(5785MHz) | 15.51 | 15.42 | 15.48 | 159(5795MHz) | 15.37 | 15.24 | / | / |
| 165(5825MHz) | 15.55 | 15.48 | 15.52 | / | / | / | / | / |

| Power Level C2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Averaged Power (dBm) Duty Cycle: **100%** | | | | | | | | |
| Mode | 802.11a | 802.11n -20MHz | 802.11ac -20MHz | Mode | 802.11n -40MHz | 802.11ac -40MHz | Mode | 802.11ac -80MHz |
| Channel | 6Mbps | MCS0 | MCS0 | Channel | MCS0 | MCS0 | Channel | MCS0 |
| **<U-NII-1>** | | | | | | | | |
| **Tune up** | **15.0** | **15.0** | **15.0** | / | **15.0** | **15.0** | / | **15.0** |
| 36(5180MHz) | 13.39 | 13.16 | 13.03 | 38(5190MHz) | 13.12 | 13.04 | 42(5210MHz) | 13.05 |
| 40(5200MHz) | 13.24 | 13.06 | 13.17 | 46(5230MHz) | 13.30 | 13.23 | / | / |
| 44(5220MHz) | 13.32 | 13.25 | 13.22 | / | / | / | / | / |
| 48(5240MHz) | 13.35 | 13.14 | 13.18 | / | / | / | / | / |
| **<U-NII-2A>** | | | | | | | | |
| **Tune up** | **15.0** | **15.0** | **15.0** | / | **15.0** | **15.0** | / | **15.0** |
| 52(5260MHz) | 13.32 | 13.08 | 13.09 | 54(5270MHz) | 13.24 | 13.02 | 58(5290MHz) | **13.10** |
| 56(5280MHz) | 13.34 | 13.20 | 13.20 | 62(5310MHz) | 13.28 | 13.12 | / | / |
| 60(5300MHz) | 13.31 | 13.14 | 13.17 | / | / | / | / | / |
| 64(5320MHz) | 13.21 | 13.16 | 13.04 | / | / | / | / | / |
| **<U-NII-2C>** | | | | | | | | |
| **Tune up** | **14.5** | **14.5** | **14.5** | / | **14.5** | **14.5** | / | **14.5** |
| 100(5500MHz) | 12.76 | 12.70 | 12.63 | 102(5510MHz) | 12.74 | 12.46 | 106(5530MHz) | 12.61 |
| 116(5580MHz) | 12.78 | 12.72 | 12.69 | 110(5550MHz) | 12.64 | 12.61 | 122(5610MHz) | **12.66** |
| 124(5620MHz) | 12.83 | 12.79 | 12.70 | 126(5630MHz) | 12.71 | 12.58 | / | / |
| 132(5660MHz) | 12.86 | 12.70 | 12.67 | 134(5670MHz) | 12.67 | 12.50 | / | / |
| 140(5700MHz) | 12.70 | 12.66 | 12.62 | / | / | / | / | / |
| **<U-NII-3>** | | | | | | | | |
| **Tune up** | **14.5** | **14.5** | **14.5** | / | **14.5** | **14.5** | / | **14.5** |
| 149(5745MHz) | 12.88 | 12.79 | 12.83 | 151(5755MHz) | 12.75 | 12.58 | 155(5775MHz) | **12.72** |
| 157(5785MHz) | 12.90 | 12.83 | 12.86 | 159(5795MHz) | 12.79 | 12.64 | / | / |
| 165(5825MHz) | 12.95 | 12.89 | 12.92 | / | / | / | / | / |

| Power Level D1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Averaged Power (dBm) Duty Cycle: **100%** | | | | | | | | |
| Mode | 802.11a | 802.11n -20MHz | 802.11ac -20MHz | Mode | 802.11n -40MHz | 802.11ac -40MHz | Mode | 802.11ac -80MHz |
| Channel | 6Mbps | MCS0 | MCS0 | Channel | MCS0 | MCS0 | Channel | MCS0 |
| **<U-NII-1>** | | | | | | | | |
| **Tune up** | **19.5** | **19.5** | **18.5** | / | **19.5** | **18.5** | / | **18.5** |
| 36(5180MHz) | 17.79 | 17.67 | 16.79 | 38(5190MHz) | 17.58 | 16.59 | 42(5210MHz) | 16.54 |
| 40(5200MHz) | 17.77 | 17.67 | 16.78 | 46(5230MHz) | **17.69** | 16.71 | / | / |
| 44(5220MHz) | 17.81 | 17.76 | 16.80 | / | / | / | / | / |
| 48(5240MHz) | 17.86 | 17.58 | 16.67 | / | / | / | / | / |
| **<U-NII-2A>** | | | | | | | | |
| **Tune up** | **19.5** | **19.5** | **18.5** | / | **19.5** | **18.5** | / | **18.5** |
| 52(5260MHz) | 17.66 | 17.53 | 16.69 | 54(5270MHz) | **17.65** | 16.69 | 58(5290MHz) | 16.66 |
| 56(5280MHz) | 17.63 | 17.58 | 16.63 | 62(5310MHz) | 17.53 | 16.56 | / | / |
| 60(5300MHz) | 17.79 | 17.59 | 16.77 | / | / | / | / | / |
| 64(5320MHz) | 17.70 | 17.62 | 16.73 | / | / | / | / | / |
| **<U-NII-2C>** | | | | | | | | |
| **Tune up** | **19.5** | **19.5** | **18.5** | / | **19.5** | **18.5** | / | **18.5** |
| 100(5500MHz) | 17.85 | 17.54 | 16.65 | 102(5510MHz) | 17.48 | 16.46 | 106(5530MHz) | 16.65 |
| 116(5580MHz) | 17.72 | 17.55 | 16.67 | 110(5550MHz) | 17.65 | 16.66 | 122(5610MHz) | 16.68 |
| 124(5620MHz) | 17.83 | 17.72 | 16.79 | 126(5630MHz) | 17.61 | 16.64 | / | / |
| 132(5660MHz) | 17.82 | 17.60 | 16.75 | 134(5670MHz) | **17.66** | 16.70 | / | / |
| 140(5700MHz) | 17.67 | 17.59 | 16.70 | / | / | / | / | / |
| **<U-NII-3>** | | | | | | | | |
| **Tune up** | **19.5** | **19.5** | **18.5** | / | **19.5** | **18.5** | / | **18.5** |
| 149(5745MHz) | 17.84 | 17.76 | 16.82 | 151(5755MHz) | 17.69 | 16.61 | 155(5775MHz) | 16.91 |
| 157(5785MHz) | 17.87 | 17.78 | 16.85 | 159(5795MHz) | **17.72** | 16.66 | / | / |
| 165(5825MHz) | 17.91 | 17.84 | 16.88 | / | / | / | / | / |

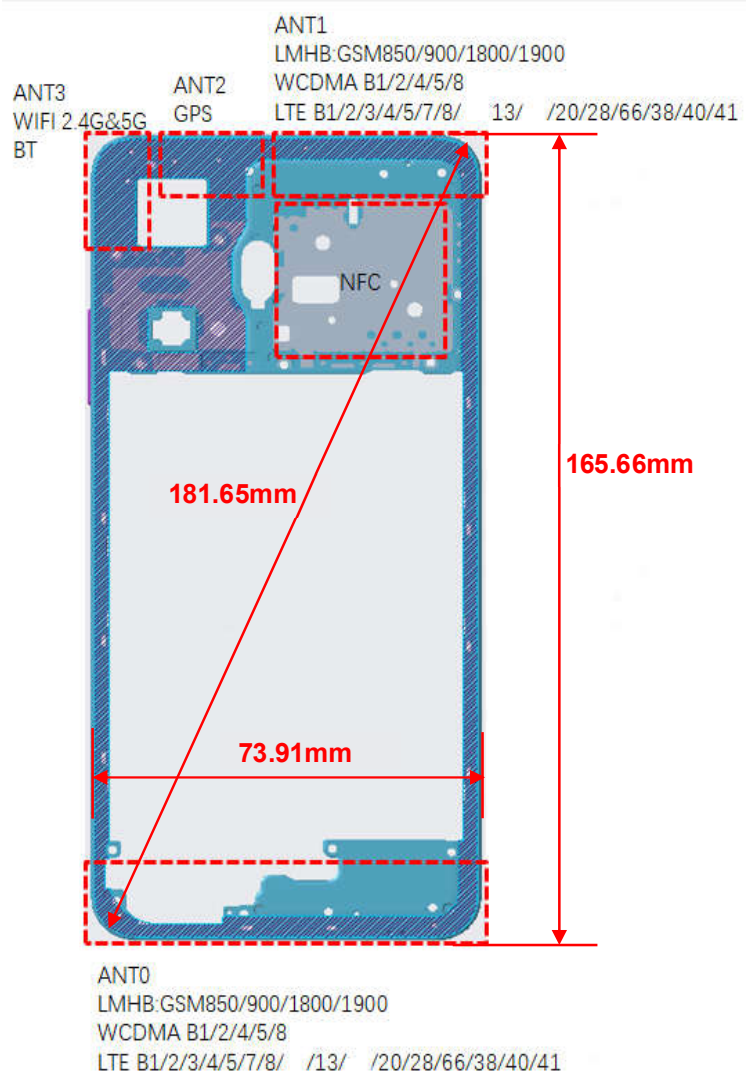
| Power Level D2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Averaged Power (dBm) Duty Cycle: **100%** | | | | | | | | |
| Mode | 802.11a | 802.11n -20MHz | 802.11ac -20MHz | Mode | 802.11n -40MHz | 802.11ac -40MHz | Mode | 802.11ac -80MHz |
| Channel | 6Mbps | MCS0 | MCS0 | Channel | MCS0 | MCS0 | Channel | MCS0 |
| **<U-NII-1>** | | | | | | | | |
| **Tune up** | **17.5** | **17.5** | **17.5** | / | **17.5** | **17.5** | / | **17.5** |
| 36(5180MHz) | 15.90 | 15.68 | 15.75 | 38(5190MHz) | 15.74 | 15.71 | 42(5210MHz) | **15.66** |
| 40(5200MHz) | 15.69 | 15.69 | 15.65 | 46(5230MHz) | 15.76 | 15.72 | / | / |
| 44(5220MHz) | 15.80 | 15.72 | 15.77 | / | / | / | / | / |
| 48(5240MHz) | 15.87 | 15.67 | 15.62 | / | / | / | / | / |
| **<U-NII-2A>** | | | | | | | | |
| **Tune up** | **17.5** | **17.5** | **17.5** | / | **17.5** | **17.5** | / | **17.5** |
| 52(5260MHz) | 15.78 | 15.60 | 15.74 | 54(5270MHz) | 15.63 | 15.53 | 58(5290MHz) | **15.65** |
| 56(5280MHz) | 15.84 | 15.64 | 15.68 | 62(5310MHz) | 15.75 | 15.52 | / | / |
| 60(5300MHz) | 15.79 | 15.65 | 15.72 | / | / | / | / | / |
| 64(5320MHz) | 15.78 | 15.61 | 15.71 | / | / | / | / | / |
| **<U-NII-2C>** | | | | | | | | |
| **Tune up** | **17.5** | **17.5** | **17.5** | / | **17.5** | **17.5** | / | **17.5** |
| 100(5500MHz) | 15.82 | 15.71 | 15.72 | 102(5510MHz) | 15.67 | 15.56 | 106(5530MHz) | 15.58 |
| 116(5580MHz) | 15.72 | 15.65 | 15.68 | 110(5550MHz) | 15.63 | 15.61 | 122(5610MHz) | **15.63** |
| 124(5620MHz) | 15.80 | 15.66 | 15.63 | 126(5630MHz) | 15.55 | 15.52 | / | / |
| 132(5660MHz) | 15.77 | 15.63 | 15.64 | 134(5670MHz) | 15.73 | 15.61 | / | / |
| 140(5700MHz) | 15.72 | 15.68 | 15.57 | / | / | / | / | / |
| **<U-NII-3>** | | | | | | | | |
| **Tune up** | **17.5** | **17.5** | **17.5** | / | **17.5** | **17.5** | / | **17.5** |
| 149(5745MHz) | 12.77 | 12.59 | 12.54 | 151(5755MHz) | 15.84 | 15.69 | 155(5775MHz) | **15.69** |
| 157(5785MHz) | 12.92 | 12.80 | 12.77 | 159(5795MHz) | 15.87 | 15.74 | / | / |
| 165(5825MHz) | 12.84 | 12.63 | 12.60 | / | / | / | / | / |

# 11. Simultaneous TX SAR Considerations

## 11.1. Introduction

The following procedures adopted from “FCC SAR Considerations for Cell Phones with Multiple Transmitters” are applicable to handsets with built-in unlicensed transmitters such as 802.11 a/b/g and Bluetooth devices which may simultaneously transmit with the licensed transmitter.
For this device, the Bluetooth and WLAN can transmit simultaneous with other transmitters.

## 11.2. Transmit Antenna Separation Distances




**Picture 11.1 Antenna Locations (Back View)**

### 11.3. SAR Measurement Positions

According to the KDB941225 D06 Hot Spot SAR, the edges with less than 25mm distance to the antennas need to be tested for SAR.

| SAR measurement positions | | | | | | |
|---|---|---|---|---|---|---|
| Antenna | Front | Rear | Left edge | Right edge | Top edge | Bottom edge |
| Ant.0 | Yes | Yes | Yes | Yes | No | Yes |
| Ant.1 | Yes | Yes | Yes | Yes | Yes | No |
| Ant.3 | Yes | Yes | Yes | Yes | Yes | No |

# 12. Evaluation of Simultaneous

| No. | Simultaneous Transmission Configuration |
|---|---|
| 01 | WWAN + Bluetooth |
| 02 | WWAN + WLAN 2.4GHz |
| 03 | WWAN + WLAN 5GHz |
| 04 | WLAN 5GHz + Bluetooth |
| 05 | WWAN + WLAN 5GHz + Bluetooth |

**Table 12.1: Maximum Simultaneous Transmission SAR**

| / | Position | Sum (W/kg) |
|---|---|---|
| Highest reported SAR value for Head | Right Tilt (WCDMA Band 66 + WLAN 5GHz + Bluetooth) | **1.58** |
| Highest reported SAR value for Hotspot | Top Side (WCDMA Band 2 + WLAN 5GHz + Bluetooth) | **0.94** |
| Highest reported SAR value for Body-worn | Rear Side (WCDMA Band 4 + WLAN 5GHz + Bluetooth) | **0.45** |

Note: the test positions of above tables are for the worse case that has been evaluated.

**Conclusion:**

According to the above tables, the sum of reported SAR values is less than limit. So the simultaneous transmission SAR with volume scans is not required.

## 13. Summary of Test Results

According to the client's decision rule in the test registration form, which is "based on the measurement results as the basis of the conformity statement", the test conclusion of this report meets the limit requirements.

The calculated SAR is obtained by the following formula:

$$\text{Reported SAR} = \text{Measured SAR} \times 10^{(P_{Target} - P_{Measured})/10}$$

Where $P_{Target}$ is the power of manufacturing upper limit;

$P_{Measured}$ is the measured power in chapter 10.

**General Note:**

1. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension> 16.0 cm, 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.
a. WLAN5GHz U-NII-2A and U-NII-2C tested the product specific 10g SAR since it has no hotspot mode.
b. When 10-g product specific 10g SAR is considered, SAR thresholds is specified in the procedures for SAR test reduction and exclusion should be multiplied by 2.5.

2. The device support dual SIMs, SIM1 was used for the all configuration SAR testing and SIM2 test the worst case SAR of SIM1.
B2 **(**Battery): BLP875 (Sunwoda Electronic Co., Ltd.)
B3 **(**Battery): BLP875 (TWS Technology (Guangzhou) Limited)

3. Body test distance 10mm: Hotspot mode; Body test distance 15mm: Body-worn mode.

**Duty Cycle**

| Mode | Duty Cycle |
|---|---|
| Speech for GSM | 1:8.3 |
| GPRS | 1:2 |
| WCDMA | 1:1 |
| FDD_LTE | 1:1 |
| TDD_LTE | 1:1.58 |
| Bluetooth | 1:1 |
| WLAN | 1:1 |

## 13.1. Testing Environment

| | |
|---|---|
| Temperature: | 18°C~25°C |
| Relative humidity: | 30%~70% |
| Ambient noise & Reflection: | < 0.012 W/kg |

## 13.2. Test Results

**Table 13.1: GSM 850 SAR Values**

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/A2 | Head | GSM850 | 190 | 836.6 | Speech | Left Cheek | 0mm | \ | \ | 30.93 | 31.0 | 0.436 | **0.44** | 0.304 | **0.31** | 0.01 |
| 1 | A1/A2 | Head | GSM850 | 190 | 836.6 | Speech | Left Tilt | 0mm | \ | \ | 30.93 | 31.0 | 0.365 | **0.37** | 0.236 | **0.24** | -0.04 |
| 1 | A1/A2 | Head | GSM850 | 190 | 836.6 | Speech | Right Cheek | 0mm | \ | **1** | 30.93 | 31.0 | **0.438** | 0.45 | 0.272 | **0.28** | 0.18 |
| 1 | A1/A2 | Head | GSM850 | 190 | 836.6 | Speech | Right Tilt | 0mm | \ | \ | 30.93 | 31.0 | 0.412 | **0.42** | 0.266 | **0.27** | -0.15 |
| | | | | | | | | | | | | | | | | | |
| 1 | B1/B2 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Front | 10mm | \ | \ | 27.42 | 28.0 | 0.124 | **0.14** | 0.086 | **0.10** | -0.17 |
| 1 | B1/B2 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Rear | 10mm | \ | \ | 27.42 | 28.0 | 0.161 | **0.18** | 0.114 | **0.13** | 0.05 |
| 1 | B1/B2 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Left | 10mm | \ | \ | 27.42 | 28.0 | 0.134 | **0.15** | 0.091 | **0.10** | 0.10 |
| 1 | B1/B2 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Right | 10mm | \ | \ | 27.42 | 28.0 | 0.102 | **0.12** | 0.069 | **0.08** | 0.11 |
| 1 | B1/B2 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Top | 10mm | \ | \ | 27.42 | 28.0 | 0.123 | **0.14** | 0.079 | **0.09** | 0.11 |
| 1 | B1/B2 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Front | 15mm | \ | \ | 27.42 | 28.0 | 0.119 | **0.14** | 0.084 | **0.10** | -0.14 |
| 1 | B1/B2 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Rear | 15mm | \ | \ | 27.42 | 28.0 | 0.141 | **0.16** | 0.101 | **0.12** | 0.16 |
| | | | | | | | | | | | | | | | | | |
| 0 | A1/A2 | Head | GSM850 | 190 | 836.6 | Speech | Left Cheek | 0mm | \ | \ | 32.51 | 33.5 | 0.167 | **0.21** | 0.115 | **0.14** | -0.03 |
| 0 | A1/A2 | Head | GSM850 | 190 | 836.6 | Speech | Left Tilt | 0mm | \ | \ | 32.51 | 33.5 | 0.068 | **0.09** | 0.048 | **0.06** | 0.04 |
| 0 | A1/A2 | Head | GSM850 | 190 | 836.6 | Speech | Right Cheek | 0mm | \ | \ | 32.51 | 33.5 | 0.149 | **0.19** | 0.102 | **0.13** | -0.16 |
| 0 | A1/A2 | Head | GSM850 | 190 | 836.6 | Speech | Right Tilt | 0mm | \ | \ | 32.51 | 33.5 | 0.063 | **0.08** | 0.044 | **0.06** | -0.02 |
| | | | | | | | | | | | | | | | | | |
| 0 | B1 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Front | 10mm | \ | \ | 26.15 | 27.0 | 0.155 | **0.19** | 0.111 | **0.13** | -0.14 |
| 0 | B1 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Rear | 10mm | \ | \ | 26.15 | 27.0 | 0.195 | **0.24** | 0.136 | **0.17** | 0.06 |
| 0 | B1 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Left | 10mm | \ | **2** | 26.15 | 27.0 | **0.199** | 0.24 | 0.108 | **0.13** | -0.07 |
| 0 | B1 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Right | 10mm | \ | \ | 26.15 | 27.0 | 0.131 | **0.16** | 0.089 | **0.11** | 0.10 |
| 0 | B1 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Bottom | 10mm | \ | \ | 26.15 | 27.0 | 0.150 | **0.18** | 0.093 | **0.11** | 0.12 |
| 0 | B1 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Front | 15mm | \ | \ | 26.15 | 27.0 | 0.150 | **0.18** | 0.107 | **0.13** | 0.17 |
| 0 | B1 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Rear | 15mm | \ | \ | 26.15 | 27.0 | 0.171 | 0.21 | 0.122 | **0.15** | -0.11 |
| | | | | | | | | | | | | | | | | | |
| 0 | B2 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Front | 10mm | \ | \ | 25.78 | 26.5 | 0.142 | **0.17** | 0.102 | **0.12** | 0.02 |
| 0 | B2 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Rear | 10mm | \ | \ | 25.78 | 26.5 | 0.179 | **0.21** | 0.125 | **0.15** | 0.12 |
| 0 | B2 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Left | 10mm | \ | \ | 25.78 | 26.5 | 0.183 | **0.22** | 0.099 | **0.12** | -0.09 |
| 0 | B2 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Right | 10mm | \ | \ | 25.78 | 26.5 | 0.120 | **0.14** | 0.082 | **0.10** | 0.05 |
| 0 | B2 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Bottom | 10mm | \ | \ | 25.78 | 26.5 | 0.138 | **0.16** | 0.085 | **0.10** | -0.07 |
| 0 | B2 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Front | 15mm | \ | \ | 25.78 | 26.5 | 0.138 | **0.16** | 0.098 | **0.12** | -0.17 |
| 0 | B2 | Body | GSM850 | 190 | 836.6 | GPRS(4TX) | Rear | 15mm | \ | \ | 25.78 | 26.5 | 0.157 | **0.19** | 0.112 | **0.13** | 0.13 |

## Table 13.2: GSM 1900 SAR Values

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/A2 | Head | GSM1900 | 661 | 1880.0 | Speech | Left Cheek | 0mm | \ | \ | 24.79 | 25.0 | 0.202 | **0.21** | 0.113 | **0.12** | -0.01 |
| 1 | A1/A2 | Head | GSM1900 | 661 | 1880.0 | Speech | Left Tilt | 0mm | \ | \ | 24.79 | 25.0 | 0.264 | **0.28** | 0.133 | **0.14** | -0.04 |
| 1 | A1/A2 | Head | GSM1900 | 661 | 1880.0 | Speech | Right Cheek | 0mm | \ | \ | 24.79 | 25.0 | 0.343 | **0.36** | 0.168 | **0.18** | 0.13 |
| 1 | A1/A2 | Head | GSM1900 | 661 | 1880.0 | Speech | Right Tilt | 0mm | \ | **3** | 24.79 | 25.0 | **0.344** | 0.36 | 0.151 | **0.16** | -0.18 |
| | | | | | | | | | | | | | | | | | |
| 1 | B1 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Front | 10mm | \ | \ | 20.76 | 22.0 | 0.198 | **0.26** | 0.104 | **0.14** | 0.07 |
| 1 | B1 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Rear | 10mm | \ | \ | 20.76 | 22.0 | 0.246 | **0.33** | 0.138 | **0.18** | -0.11 |
| 1 | B1 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Left | 10mm | \ | \ | 20.76 | 22.0 | 0.046 | **0.06** | 0.027 | **0.04** | 0.04 |
| 1 | B1 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Right | 10mm | \ | \ | 20.76 | 22.0 | 0.025 | **0.03** | 0.015 | **0.02** | -0.03 |
| 1 | B1 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Top | 10mm | \ | **4** | 20.76 | 22.0 | **0.428** | 0.57 | 0.266 | **0.35** | -0.08 |
| 1 | B1 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Front | 15mm | \ | \ | 20.76 | 22.0 | 0.097 | **0.13** | 0.052 | **0.07** | -0.01 |
| 1 | B1 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Rear | 15mm | \ | \ | 20.76 | 22.0 | 0.121 | 0.16 | 0.069 | **0.09** | 0.06 |
| | | | | | | | | | | | | | | | | | |
| 1 | B2 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Front | 10mm | \ | \ | 19.17 | 19.5 | 0.103 | **0.11** | 0.054 | **0.06** | 0.16 |
| 1 | B2 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Rear | 10mm | \ | \ | 19.17 | 19.5 | 0.128 | **0.14** | 0.072 | **0.08** | -0.17 |
| 1 | B2 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Left | 10mm | \ | \ | 19.17 | 19.5 | 0.024 | **0.03** | 0.014 | **0.02** | 0.05 |
| 1 | B2 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Right | 10mm | \ | \ | 19.17 | 19.5 | 0.013 | **0.01** | 0.008 | **0.01** | -0.12 |
| 1 | B2 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Top | 10mm | \ | \ | 19.17 | 19.5 | 0.225 | **0.24** | 0.117 | **0.13** | 0.11 |
| 1 | B2 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Front | 15mm | \ | \ | 19.17 | 19.5 | 0.050 | **0.05** | 0.027 | **0.03** | 0.07 |
| 1 | B2 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Rear | 15mm | \ | \ | 19.17 | 19.5 | 0.063 | **0.07** | 0.036 | **0.04** | -0.04 |
| | | | | | | | | | | | | | | | | | |
| 0 | A1/A2 | Head | GSM1900 | 661 | 1880.0 | Speech | Left Cheek | 0mm | \ | \ | 28.96 | 30.5 | 0.055 | **0.08** | 0.031 | **0.04** | -0.14 |
| 0 | A1/A2 | Head | GSM1900 | 661 | 1880.0 | Speech | Left Tilt | 0mm | \ | \ | 28.96 | 30.5 | 0.037 | **0.05** | 0.022 | **0.03** | -0.14 |
| 0 | A1/A2 | Head | GSM1900 | 661 | 1880.0 | Speech | Right Cheek | 0mm | \ | \ | 28.96 | 30.5 | 0.045 | **0.06** | 0.026 | **0.04** | 0.16 |
| 0 | A1/A2 | Head | GSM1900 | 661 | 1880.0 | Speech | Right Tilt | 0mm | \ | \ | 28.96 | 30.5 | 0.033 | **0.05** | 0.020 | **0.03** | 0.11 |
| | | | | | | | | | | | | | | | | | |
| 0 | B1/B2 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Front | 10mm | \ | \ | 22.10 | 23.0 | 0.093 | **0.11** | 0.056 | **0.07** | -0.13 |
| 0 | B1/B2 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Rear | 10mm | \ | \ | 22.10 | 23.0 | 0.145 | **0.18** | 0.084 | **0.10** | -0.02 |
| 0 | B1/B2 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Left | 10mm | \ | \ | 22.10 | 23.0 | 0.047 | **0.06** | 0.026 | **0.03** | 0.07 |
| 0 | B1/B2 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Right | 10mm | \ | \ | 22.10 | 23.0 | 0.046 | **0.06** | 0.026 | **0.03** | -0.18 |
| 0 | B1/B2 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Bottom | 10mm | \ | \ | 22.10 | 23.0 | 0.239 | **0.29** | 0.136 | **0.17** | 0.13 |
| 0 | B1/B2 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Front | 15mm | \ | \ | 22.10 | 23.0 | 0.057 | **0.07** | 0.035 | **0.04** | 0.14 |
| 0 | B1/B2 | Body | GSM1900 | 661 | 1880.0 | GPRS(4TX) | Rear | 15mm | \ | \ | 22.10 | 23.0 | 0.082 | **0.10** | 0.049 | **0.06** | 0.11 |

## Table 13.3: WCDMA Band 2 SAR Values

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/A2 | Head | WCDMA B2 | 9400 | 1880.0 | RMC | Left Cheek | 0mm | \ | \ | 16.11 | 17.0 | 0.351 | **0.43** | 0.264 | **0.32** | 0.13 |
| 1 | A1/A2 | Head | WCDMA B2 | 9400 | 1880.0 | RMC | Left Tilt | 0mm | \ | \ | 16.11 | 17.0 | 0.391 | **0.48** | 0.290 | **0.36** | -0.14 |
| 1 | A1/A2 | Head | WCDMA B2 | 9400 | 1880.0 | RMC | Right Cheek | 0mm | \ | \ | 16.11 | 17.0 | 0.556 | **0.68** | 0.427 | **0.52** | -0.12 |
| 1 | A1/A2 | Head | WCDMA B2 | 9400 | 1880.0 | RMC | Right Tilt | 0mm | \ | \ | 16.11 | 17.0 | 0.674 | **0.83** | 0.524 | **0.64** | -0.10 |
| 1 | A1/A2 | Head | WCDMA B2 | 9538 | 1907.6 | RMC | Right Tilt | 0mm | \ | **5** | 15.99 | 17.0 | **0.836** | **1.05** | 0.368 | **0.46** | -0.08 |
| 1 | A1/A2 | Head | WCDMA B2 | 9262 | 1852.4 | RMC | Right Tilt | 0mm | \ | \ | 16.08 | 17.0 | 0.601 | **0.74** | 0.320 | **0.40** | 0.10 |
| | | | | | | | | | | | | | | | | | |
| 1 | B1 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Front | 10mm | \ | \ | 16.88 | 18.0 | 0.202 | **0.26** | 0.096 | **0.12** | -0.02 |
| 1 | B1 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Rear | 10mm | \ | \ | 16.88 | 18.0 | 0.230 | **0.30** | 0.127 | **0.16** | 0.12 |
| 1 | B1 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Left | 10mm | \ | \ | 16.88 | 18.0 | 0.047 | **0.06** | 0.027 | **0.03** | 0.04 |
| 1 | B1 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Right | 10mm | \ | \ | 16.88 | 18.0 | 0.028 | **0.04** | 0.016 | **0.02** | -0.10 |
| 1 | B1 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Top | 10mm | \ | \ | 16.88 | 18.0 | 0.429 | **0.56** | 0.222 | **0.29** | -0.11 |
| 1 | B1 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Front | 15mm | \ | \ | 16.88 | 18.0 | 0.110 | **0.14** | 0.064 | **0.08** | 0.05 |
| 1 | B1 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Rear | 15mm | \ | \ | 16.88 | 18.0 | 0.127 | **0.16** | 0.074 | **0.10** | -0.16 |
| | | | | | | | | | | | | | | | | | |
| 1 | B2 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Front | 10mm | \ | \ | 14.91 | 16.0 | 0.173 | **0.22** | 0.082 | **0.11** | -0.08 |
| 1 | B2 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Rear | 10mm | \ | \ | 14.91 | 16.0 | 0.197 | **0.25** | 0.109 | **0.14** | 0.09 |
| 1 | B2 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Left | 10mm | \ | \ | 14.91 | 16.0 | 0.040 | **0.05** | 0.023 | **0.03** | -0.11 |
| 1 | B2 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Right | 10mm | \ | \ | 14.91 | 16.0 | 0.024 | **0.03** | 0.014 | **0.02** | 0.00 |
| 1 | B2 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Top | 10mm | \ | \ | 14.91 | 16.0 | 0.368 | **0.47** | 0.190 | **0.24** | 0.14 |
| 1 | B2 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Front | 15mm | \ | \ | 14.91 | 16.0 | 0.094 | **0.12** | 0.055 | **0.07** | -0.06 |
| 1 | B2 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Rear | 15mm | \ | \ | 14.91 | 16.0 | 0.109 | **0.14** | 0.063 | **0.08** | -0.07 |
| | | | | | | | | | | | | | | | | | |
| 0 | A1/A2 | Head | WCDMA B2 | 9400 | 1880.0 | RMC | Left Cheek | 0mm | \ | \ | 22.34 | 24.0 | 0.125 | **0.18** | 0.071 | **0.10** | 0.05 |
| 0 | A1/A2 | Head | WCDMA B2 | 9400 | 1880.0 | RMC | Left Tilt | 0mm | \ | \ | 22.34 | 24.0 | 0.080 | **0.12** | 0.047 | **0.07** | -0.12 |
| 0 | A1/A2 | Head | WCDMA B2 | 9400 | 1880.0 | RMC | Right Cheek | 0mm | \ | \ | 22.34 | 24.0 | 0.093 | **0.14** | 0.055 | **0.08** | -0.15 |
| 0 | A1/A2 | Head | WCDMA B2 | 9400 | 1880.0 | RMC | Right Tilt | 0mm | \ | \ | 22.34 | 24.0 | 0.069 | **0.10** | 0.042 | **0.06** | 0.13 |
| | | | | | | | | | | | | | | | | | |
| 0 | B1 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Front | 10mm | \ | \ | 20.48 | 22.0 | 0.205 | **0.29** | 0.125 | **0.18** | 0.14 |
| 0 | B1 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Rear | 10mm | \ | \ | 20.48 | 22.0 | 0.314 | **0.45** | 0.181 | **0.26** | 0.12 |
| 0 | B1 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Left | 10mm | \ | \ | 20.48 | 22.0 | 0.060 | **0.09** | 0.035 | **0.05** | 0.08 |
| 0 | B1 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Right | 10mm | \ | \ | 20.48 | 22.0 | 0.103 | **0.15** | 0.058 | **0.08** | -0.13 |
| 0 | B1 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Bottom | 10mm | \ | **6** | 20.48 | 22.0 | **0.561** | 0.80 | 0.315 | **0.45** | 0.10 |
| 0 | B1 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Front | 15mm | \ | \ | 20.48 | 22.0 | 0.121 | **0.17** | 0.074 | **0.11** | -0.14 |
| 0 | B1 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Rear | 15mm | \ | \ | 20.48 | 22.0 | 0.172 | 0.24 | 0.104 | **0.15** | -0.15 |
| | | | | | | | | | | | | | | | | | |
| 0 | B2 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Front | 10mm | \ | \ | 19.64 | 21.0 | 0.170 | **0.23** | 0.104 | **0.14** | -0.08 |
| 0 | B2 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Rear | 10mm | \ | \ | 19.64 | 21.0 | 0.261 | **0.36** | 0.150 | **0.21** | -0.06 |
| 0 | B2 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Left | 10mm | \ | \ | 19.64 | 21.0 | 0.050 | **0.07** | 0.029 | **0.04** | 0.18 |
| 0 | B2 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Right | 10mm | \ | \ | 19.64 | 21.0 | 0.085 | **0.12** | 0.048 | **0.07** | -0.08 |
| 0 | B2 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Bottom | 10mm | \ | \ | 19.64 | 21.0 | 0.466 | **0.64** | 0.261 | **0.36** | -0.04 |
| 0 | B2 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Front | 15mm | \ | \ | 19.64 | 21.0 | 0.100 | **0.14** | 0.061 | **0.08** | 0.13 |
| 0 | B2 | Body | WCDMA B2 | 9400 | 1880.0 | RMC | Rear | 15mm | \ | \ | 19.64 | 21.0 | 0.143 | **0.20** | 0.086 | **0.12** | 0.03 |

## Table 13.4: WCDMA Band 4 SAR Values

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/A2 | Head | WCDMA B4 | 1413 | 1732.6 | RMC | Left Cheek | 0mm | \ | \ | 16.08 | 18.0 | 0.284 | **0.44** | 0.158 | **0.25** | 0.06 |
| 1 | A1/A2 | Head | WCDMA B4 | 1413 | 1732.6 | RMC | Left Tilt | 0mm | \ | \ | 16.08 | 18.0 | 0.351 | **0.55** | 0.186 | **0.29** | -0.17 |
| 1 | A1/A2 | Head | WCDMA B4 | 1413 | 1732.6 | RMC | Right Cheek | 0mm | \ | \ | 16.08 | 18.0 | 0.391 | **0.61** | 0.217 | **0.34** | -0.12 |
| 1 | A1/A2 | Head | WCDMA B4 | 1413 | 1732.6 | RMC | Right Tilt | 0mm | \ | **7** | 16.08 | 18.0 | **0.564** | 0.88 | 0.253 | **0.39** | -0.10 |
| 1 | A1/A2 | Head | WCDMA B4 | 1513 | 1752.6 | RMC | Right Tilt | 0mm | \ | \ | 16.19 | 18.0 | 0.521 | **0.79** | 0.233 | **0.35** | 0.06 |
| 1 | A1/A2 | Head | WCDMA B4 | 1312 | 1712.4 | RMC | Right Tilt | 0mm | \ | \ | 16.25 | 18.0 | 0.428 | **0.64** | 0.192 | **0.29** | -0.15 |
| | | | | | | | | | | | | | | | | | |
| 1 | B1 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Front | 10mm | \ | \ | 15.05 | 17.0 | 0.135 | **0.21** | 0.080 | **0.13** | 0.08 |
| 1 | B1 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Rear | 10mm | \ | \ | 15.05 | 17.0 | 0.134 | **0.21** | 0.081 | **0.13** | 0.04 |
| 1 | B1 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Left | 10mm | \ | \ | 15.05 | 17.0 | 0.038 | **0.06** | 0.023 | **0.04** | 0.03 |
| 1 | B1 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Right | 10mm | \ | \ | 15.05 | 17.0 | 0.023 | **0.04** | 0.014 | **0.02** | -0.03 |
| 1 | B1 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Top | 10mm | \ | \ | 15.05 | 17.0 | 0.249 | **0.39** | 0.130 | **0.20** | -0.14 |
| 1 | B1 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Front | 15mm | \ | \ | 15.05 | 17.0 | 0.083 | **0.13** | 0.048 | **0.08** | 0.15 |
| 1 | B1 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Rear | 15mm | \ | \ | 15.05 | 17.0 | 0.076 | **0.12** | 0.047 | **0.07** | -0.04 |
| | | | | | | | | | | | | | | | | | |
| 1 | B2 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Front | 10mm | \ | \ | 14.09 | 16.0 | 0.108 | **0.17** | 0.064 | **0.10** | 0.13 |
| 1 | B2 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Rear | 10mm | \ | \ | 14.09 | 16.0 | 0.107 | **0.17** | 0.065 | **0.10** | -0.04 |
| 1 | B2 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Left | 10mm | \ | \ | 14.09 | 16.0 | 0.030 | **0.05** | 0.018 | **0.03** | -0.12 |
| 1 | B2 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Right | 10mm | \ | \ | 14.09 | 16.0 | 0.018 | **0.03** | 0.011 | **0.02** | 0.06 |
| 1 | B2 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Top | 10mm | \ | \ | 14.09 | 16.0 | 0.200 | **0.31** | 0.104 | **0.16** | 0.07 |
| 1 | B2 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Front | 15mm | \ | \ | 14.09 | 16.0 | 0.067 | **0.10** | 0.038 | **0.06** | 0.13 |
| 1 | B2 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Rear | 15mm | \ | \ | 14.09 | 16.0 | 0.061 | **0.09** | 0.038 | **0.06** | 0.03 |
| | | | | | | | | | | | | | | | | | |
| 0 | A1/A2 | Head | WCDMA B4 | 1413 | 1732.6 | RMC | Left Cheek | 0mm | \ | \ | 22.56 | 24.0 | 0.084 | **0.12** | 0.049 | **0.07** | 0.12 |
| 0 | A1/A2 | Head | WCDMA B4 | 1413 | 1732.6 | RMC | Left Tilt | 0mm | \ | \ | 22.56 | 24.0 | 0.043 | **0.06** | 0.026 | **0.04** | -0.18 |
| 0 | A1/A2 | Head | WCDMA B4 | 1413 | 1732.6 | RMC | Right Cheek | 0mm | \ | \ | 22.56 | 24.0 | 0.055 | **0.08** | 0.033 | **0.05** | 0.03 |
| 0 | A1/A2 | Head | WCDMA B4 | 1413 | 1732.6 | RMC | Right Tilt | 0mm | \ | \ | 22.56 | 24.0 | 0.042 | **0.06** | 0.024 | **0.03** | 0.07 |
| | | | | | | | | | | | | | | | | | |
| 0 | B1/B2 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Front | 10mm | \ | \ | 19.64 | 21.0 | 0.186 | **0.25** | 0.112 | **0.15** | 0.09 |
| 0 | B1/B2 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Rear | 10mm | \ | \ | 19.64 | 21.0 | 0.329 | **0.45** | 0.194 | **0.27** | 0.01 |
| 0 | B1/B2 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Left | 10mm | \ | \ | 19.64 | 21.0 | 0.043 | **0.06** | 0.026 | **0.04** | 0.13 |
| 0 | B1/B2 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Right | 10mm | \ | \ | 19.64 | 21.0 | 0.076 | **0.10** | 0.044 | **0.06** | 0.16 |
| 0 | B1/B2 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Bottom | 10mm | \ | **8** | 19.64 | 21.0 | **0.449** | 0.61 | 0.250 | **0.34** | -0.05 |
| 0 | B1/B2 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Front | 15mm | \ | \ | 19.64 | 21.0 | 0.100 | **0.14** | 0.063 | **0.09** | 0.17 |
| 0 | B1/B2 | Body | WCDMA B4 | 1413 | 1732.6 | RMC | Rear | 15mm | \ | \ | 19.64 | 21.0 | 0.175 | 0.24 | 0.105 | **0.14** | -0.13 |

## Table 13.5: WCDMA Band 5 SAR Values

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/A2 | Head | WCDMA B5 | 4183 | 836.6 | RMC | Left Cheek | 0mm | \ | \ | 20.43 | 22.0 | 0.291 | **0.42** | 0.195 | **0.28** | 0.05 |
| 1 | A1/A2 | Head | WCDMA B5 | 4183 | 836.6 | RMC | Left Tilt | 0mm | \ | \ | 20.43 | 22.0 | 0.197 | **0.28** | 0.128 | **0.18** | -0.13 |
| 1 | A1/A2 | Head | WCDMA B5 | 4183 | 836.6 | RMC | Right Cheek | 0mm | \ | **9** | 20.43 | 22.0 | **0.428** | 0.61 | 0.266 | **0.38** | -0.04 |
| 1 | A1/A2 | Head | WCDMA B5 | 4183 | 836.6 | RMC | Right Tilt | 0mm | \ | \ | 20.43 | 22.0 | 0.279 | **0.40** | 0.167 | **0.24** | -0.12 |
| | | | | | | | | | | | | | | | | | |
| 1 | B1 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Front | 10mm | \ | \ | 21.83 | 23.5 | 0.126 | **0.19** | 0.089 | **0.13** | 0.00 |
| 1 | B1 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Rear | 10mm | \ | \ | 21.83 | 23.5 | 0.161 | **0.24** | 0.114 | **0.17** | 0.18 |
| 1 | B1 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Left | 10mm | \ | \ | 21.83 | 23.5 | 0.130 | **0.19** | 0.088 | **0.13** | -0.01 |
| 1 | B1 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Right | 10mm | \ | \ | 21.83 | 23.5 | 0.093 | **0.14** | 0.064 | **0.09** | 0.10 |
| 1 | B1 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Top | 10mm | \ | \ | 21.83 | 23.5 | 0.136 | **0.20** | 0.086 | **0.13** | 0.12 |
| 1 | B1 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Front | 15mm | \ | \ | 21.83 | 23.5 | 0.084 | **0.12** | 0.060 | **0.09** | 0.12 |
| 1 | B1 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Rear | 15mm | \ | \ | 21.83 | 23.5 | 0.104 | **0.15** | 0.074 | **0.11** | 0.06 |
| | | | | | | | | | | | | | | | | | |
| 1 | B2 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Front | 10mm | \ | \ | 20.76 | 22.5 | 0.098 | **0.15** | 0.070 | **0.10** | -0.14 |
| 1 | B2 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Rear | 10mm | \ | \ | 20.76 | 22.5 | 0.126 | **0.19** | 0.089 | **0.13** | 0.11 |
| 1 | B2 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Left | 10mm | \ | \ | 20.76 | 22.5 | 0.102 | **0.15** | 0.069 | **0.10** | -0.15 |
| 1 | B2 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Right | 10mm | \ | \ | 20.76 | 22.5 | 0.073 | **0.11** | 0.050 | **0.07** | 0.04 |
| 1 | B2 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Top | 10mm | \ | \ | 20.76 | 22.5 | 0.106 | **0.16** | 0.067 | **0.10** | -0.02 |
| 1 | B2 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Front | 15mm | \ | \ | 20.76 | 22.5 | 0.066 | **0.10** | 0.047 | **0.07** | -0.04 |
| 1 | B2 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Rear | 15mm | \ | \ | 20.76 | 22.5 | 0.081 | **0.12** | 0.058 | **0.09** | 0.06 |
| | | | | | | | | | | | | | | | | | |
| 0 | A1/A2 | Head | WCDMA B5 | 4183 | 836.6 | RMC | Left Cheek | 0mm | \ | \ | 23.37 | 24.5 | 0.141 | **0.18** | 0.098 | **0.13** | 0.05 |
| 0 | A1/A2 | Head | WCDMA B5 | 4183 | 836.6 | RMC | Left Tilt | 0mm | \ | \ | 23.37 | 24.5 | 0.063 | **0.08** | 0.044 | **0.06** | 0.13 |
| 0 | A1/A2 | Head | WCDMA B5 | 4183 | 836.6 | RMC | Right Cheek | 0mm | \ | \ | 23.37 | 24.5 | 0.127 | **0.16** | 0.088 | **0.11** | -0.05 |
| 0 | A1/A2 | Head | WCDMA B5 | 4183 | 836.6 | RMC | Right Tilt | 0mm | \ | \ | 23.37 | 24.5 | 0.054 | **0.07** | 0.038 | **0.05** | -0.15 |
| | | | | | | | | | | | | | | | | | |
| 0 | B1/B2 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Front | 10mm | \ | \ | 22.42 | 23.5 | 0.137 | **0.18** | 0.097 | **0.12** | 0.12 |
| 0 | B1/B2 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Rear | 10mm | \ | **10** | 22.42 | 23.5 | **0.193** | 0.25 | 0.129 | **0.17** | 0.09 |
| 0 | B1/B2 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Left | 10mm | \ | \ | 22.42 | 23.5 | 0.171 | **0.22** | 0.119 | **0.15** | -0.09 |
| 0 | B1/B2 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Right | 10mm | \ | \ | 22.42 | 23.5 | 0.118 | **0.15** | 0.080 | **0.10** | -0.04 |
| 0 | B1/B2 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Bottom | 10mm | \ | \ | 22.42 | 23.5 | 0.127 | **0.16** | 0.079 | **0.10** | 0.06 |
| 0 | B1/B2 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Front | 15mm | \ | \ | 22.42 | 23.5 | 0.128 | **0.16** | 0.090 | **0.12** | 0.12 |
| 0 | B1/B2 | Body | WCDMA B5 | 4183 | 836.6 | RMC | Rear | 15mm | \ | \ | 22.42 | 23.5 | 0.144 | 0.18 | 0.102 | **0.13** | 0.05 |

## Table 13.6: LTE Band 2 SAR Values

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/A2 | Head | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Left Cheek | 0mm | \ | \ | 15.48 | 15.5 | 0.287 | **0.29** | 0.157 | **0.16** | -0.03 |
| 1 | A1/A2 | Head | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Left Tilt | 0mm | \ | \ | 15.48 | 15.5 | 0.373 | **0.37** | 0.187 | **0.19** | -0.09 |
| 1 | A1/A2 | Head | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Right Cheek | 0mm | \ | \ | 15.48 | 15.5 | 0.450 | **0.45** | 0.231 | **0.23** | -0.03 |
| 1 | A1/A2 | Head | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Right Tilt | 0mm | \ | \ | 15.48 | 15.5 | 0.580 | **0.58** | 0.292 | **0.29** | 0.10 |
| 1 | A1/A2 | Head | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Left Cheek | 0mm | \ | \ | 15.41 | 15.5 | 0.279 | **0.28** | 0.158 | **0.16** | -0.07 |
| 1 | A1/A2 | Head | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Left Tilt | 0mm | \ | \ | 15.41 | 15.5 | 0.380 | **0.39** | 0.190 | **0.19** | -0.03 |
| 1 | A1/A2 | Head | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Right Cheek | 0mm | \ | \ | 15.41 | 15.5 | 0.439 | **0.45** | 0.231 | **0.24** | 0.18 |
| 1 | A1/A2 | Head | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Right Tilt | 0mm | \ | **11** | 15.41 | 15.5 | **0.660** | 0.67 | 0.286 | **0.29** | 0.10 |
| | | | | | | | | | | | | | | | | | |
| 1 | B1 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Front | 10mm | \ | \ | 17.15 | 17.5 | 0.192 | **0.21** | 0.107 | **0.12** | -0.01 |
| 1 | B1 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Rear | 10mm | \ | \ | 17.15 | 17.5 | 0.211 | **0.23** | 0.123 | **0.13** | -0.02 |
| 1 | B1 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Left | 10mm | \ | \ | 17.15 | 17.5 | 0.042 | **0.05** | 0.025 | **0.03** | -0.07 |
| 1 | B1 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Right | 10mm | \ | \ | 17.15 | 17.5 | 0.024 | **0.03** | 0.014 | **0.02** | 0.16 |
| 1 | B1 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Top | 10mm | \ | \ | 17.15 | 17.5 | 0.429 | **0.47** | 0.219 | **0.24** | 0.17 |
| 1 | B1 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Front | 10mm | \ | \ | 17.11 | 17.5 | 0.193 | **0.21** | 0.107 | **0.12** | -0.18 |
| 1 | B1 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Rear | 10mm | \ | \ | 17.11 | 17.5 | 0.226 | **0.25** | 0.128 | **0.14** | -0.07 |
| 1 | B1 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Left | 10mm | \ | \ | 17.11 | 17.5 | 0.042 | **0.05** | 0.025 | **0.03** | -0.01 |
| 1 | B1 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Right | 10mm | \ | \ | 17.11 | 17.5 | 0.026 | **0.03** | 0.015 | **0.02** | -0.11 |
| 1 | B1 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Top | 10mm | \ | \ | 17.11 | 17.5 | 0.449 | **0.49** | 0.228 | **0.25** | 0.07 |
| 1 | B1 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Front | 15mm | \ | \ | 17.15 | 17.5 | 0.087 | **0.09** | 0.048 | **0.05** | -0.06 |
| 1 | B1 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Rear | 15mm | \ | \ | 17.15 | 17.5 | 0.105 | **0.11** | 0.061 | **0.07** | 0.15 |
| 1 | B1 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Front | 15mm | \ | \ | 17.11 | 17.5 | 0.089 | **0.10** | 0.049 | **0.05** | -0.14 |
| 1 | B1 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Rear | 15mm | \ | \ | 17.11 | 17.5 | 0.106 | **0.12** | 0.062 | **0.07** | -0.11 |
| | | | | | | | | | | | | | | | | | |
| 1 | B2 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Front | 10mm | \ | \ | 15.96 | 16.0 | 0.192 | **0.19** | 0.107 | **0.11** | -0.13 |
| 1 | B2 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Rear | 10mm | \ | \ | 15.96 | 16.0 | 0.211 | **0.21** | 0.123 | **0.12** | -0.03 |
| 1 | B2 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Left | 10mm | \ | \ | 15.96 | 16.0 | 0.042 | **0.04** | 0.025 | **0.03** | 0.14 |
| 1 | B2 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Right | 10mm | \ | \ | 15.96 | 16.0 | 0.024 | **0.02** | 0.014 | **0.01** | 0.11 |
| 1 | B2 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Top | 10mm | \ | \ | 15.96 | 16.0 | 0.429 | **0.43** | 0.219 | **0.22** | -0.17 |
| 1 | B2 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Front | 10mm | \ | \ | 15.93 | 16.0 | 0.193 | **0.20** | 0.107 | **0.11** | -0.14 |
| 1 | B2 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Rear | 10mm | \ | \ | 15.93 | 16.0 | 0.226 | **0.23** | 0.128 | **0.13** | -0.02 |
| 1 | B2 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Left | 10mm | \ | \ | 15.93 | 16.0 | 0.042 | **0.04** | 0.025 | **0.03** | -0.15 |
| 1 | B2 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Right | 10mm | \ | \ | 15.93 | 16.0 | 0.026 | **0.03** | 0.015 | **0.02** | -0.15 |
| 1 | B2 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Top | 10mm | \ | \ | 15.93 | 16.0 | 0.449 | **0.46** | 0.228 | **0.23** | 0.15 |
| 1 | B2 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Front | 15mm | \ | \ | 15.96 | 16.0 | 0.087 | **0.09** | 0.048 | **0.05** | 0.16 |
| 1 | B2 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Rear | 15mm | \ | \ | 15.96 | 16.0 | 0.105 | **0.11** | 0.061 | **0.06** | 0.17 |
| 1 | B2 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Front | 15mm | \ | \ | 15.93 | 16.0 | 0.089 | **0.09** | 0.049 | **0.05** | 0.15 |
| 1 | B2 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB25 | Rear | 15mm | \ | \ | 15.93 | 16.0 | 0.106 | **0.11** | 0.062 | **0.06** | -0.10 |
| | | | | | | | | | | | | | | | | | |
| 0 | A1/A2 | Head | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Left Cheek | 0mm | \ | \ | 22.67 | 23.5 | 0.108 | **0.13** | 0.062 | **0.08** | 0.12 |
| 0 | A1/A2 | Head | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Left Tilt | 0mm | \ | \ | 22.67 | 23.5 | 0.092 | **0.11** | 0.053 | **0.06** | -0.12 |
| 0 | A1/A2 | Head | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Right Cheek | 0mm | \ | \ | 22.67 | 23.5 | 0.096 | **0.12** | 0.056 | **0.07** | 0.03 |
| 0 | A1/A2 | Head | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Right Tilt | 0mm | \ | \ | 22.67 | 23.5 | 0.079 | **0.10** | 0.048 | **0.06** | 0.13 |
| 0 | A1/A2 | Head | LTE Band 2 | 19100 | 1900.0 | 50RB0 | Left Cheek | 0mm | \ | \ | 21.77 | 22.5 | 0.084 | **0.10** | 0.048 | **0.06** | -0.15 |
| 0 | A1/A2 | Head | LTE Band 2 | 19100 | 1900.0 | 50RB0 | Left Tilt | 0mm | \ | \ | 21.77 | 22.5 | 0.074 | **0.09** | 0.043 | **0.05** | 0.12 |
| 0 | A1/A2 | Head | LTE Band 2 | 19100 | 1900.0 | 50RB0 | Right Cheek | 0mm | \ | \ | 21.77 | 22.5 | 0.077 | **0.09** | 0.045 | **0.05** | -0.14 |
| 0 | A1/A2 | Head | LTE Band 2 | 19100 | 1900.0 | 50RB0 | Right Tilt | 0mm | \ | \ | 21.77 | 22.5 | 0.064 | **0.08** | 0.038 | **0.04** | 0.15 |
| | | | | | | | | | | | | | | | | | |
| 0 | B1/B2 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Front | 10mm | \ | \ | 21.14 | 21.5 | 0.210 | **0.23** | 0.127 | **0.14** | 0.16 |
| 0 | B1/B2 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Rear | 10mm | \ | \ | 21.14 | 21.5 | 0.316 | **0.34** | 0.190 | **0.21** | 0.11 |
| 0 | B1/B2 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Left | 10mm | \ | \ | 21.14 | 21.5 | 0.066 | **0.07** | 0.039 | **0.04** | -0.11 |
| 0 | B1/B2 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Right | 10mm | \ | \ | 21.14 | 21.5 | 0.097 | **0.11** | 0.054 | **0.06** | 0.09 |
| 0 | B1/B2 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Bottom | 10mm | \ | \ | 21.14 | 21.5 | 0.689 | **0.75** | 0.376 | **0.41** | -0.16 |
| 0 | B1/B2 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB50 | Front | 10mm | \ | \ | 21.06 | 21.5 | 0.211 | **0.23** | 0.128 | **0.14** | 0.16 |
| 0 | B1/B2 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB50 | Rear | 10mm | \ | \ | 21.06 | 21.5 | 0.319 | **0.35** | 0.189 | **0.21** | 0.03 |
| 0 | B1/B2 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB50 | Left | 10mm | \ | \ | 21.06 | 21.5 | 0.066 | **0.07** | 0.039 | **0.04** | -0.16 |
| 0 | B1/B2 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB50 | Right | 10mm | \ | \ | 21.06 | 21.5 | 0.099 | **0.11** | 0.056 | **0.06** | 0.11 |
| 0 | B1/B2 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB50 | Bottom | 10mm | \ | **12** | 21.06 | 21.5 | **0.695** | 0.77 | 0.389 | **0.43** | -0.08 |
| 0 | B1/B2 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Front | 15mm | \ | \ | 21.14 | 21.5 | 0.119 | **0.13** | 0.074 | **0.08** | 0.10 |
| 0 | B1/B2 | Body | LTE Band 2 | 18900 | 1880.0 | 1RB50 | Rear | 15mm | \ | \ | 21.14 | 21.5 | 0.173 | **0.19** | 0.104 | **0.11** | 0.02 |
| 0 | B1/B2 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB50 | Front | 15mm | \ | \ | 21.06 | 21.5 | 0.119 | **0.13** | 0.073 | **0.08** | -0.08 |
| 0 | B1/B2 | Body | LTE Band 2 | 18900 | 1880.0 | 50RB50 | Rear | 15mm | \ | \ | 21.06 | 21.5 | 0.170 | 0.19 | 0.103 | **0.11** | -0.02 |

## Table 13.7: LTE Band 4 SAR Values

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Left Cheek | 0mm | \ | \ | 15.87 | 16.5 | 0.189 | **0.22** | 0.111 | **0.13** | -0.14 |
| 1 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Left Tilt | 0mm | \ | \ | 15.87 | 16.5 | 0.229 | **0.26** | 0.124 | **0.14** | 0.01 |
| 1 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Right Cheek | 0mm | \ | \ | 15.87 | 16.5 | 0.296 | **0.34** | 0.157 | **0.18** | -0.12 |
| 1 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Right Tilt | 0mm | \ | \ | 15.87 | 16.5 | 0.366 | **0.42** | 0.192 | **0.22** | 0.10 |
| 1 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Left Cheek | 0mm | \ | \ | 15.96 | 16.5 | 0.226 | **0.26** | 0.127 | **0.14** | -0.06 |
| 1 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Left Tilt | 0mm | \ | \ | 15.96 | 16.5 | 0.286 | **0.32** | 0.143 | **0.16** | -0.09 |
| 1 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Right Cheek | 0mm | \ | \ | 15.96 | 16.5 | 0.337 | **0.38** | 0.180 | **0.20** | -0.16 |
| 1 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Right Tilt | 0mm | \ | **13** | 15.96 | 16.5 | **0.437** | 0.49 | 0.195 | **0.22** | -0.03 |
| | | | | | | | | | | | | | | | | | |
| 1 | B1/B2 | Body | LTE Band 4 | 20175 | 1732.5 | 1RB50 | Front | 10mm | \ | \ | 15.87 | 16.5 | 0.158 | **0.18** | 0.090 | **0.10** | -0.09 |
| 1 | B1/B2 | Body | LTE Band 4 | 20175 | 1732.5 | 1RB50 | Rear | 10mm | \ | \ | 15.87 | 16.5 | 0.151 | **0.17** | 0.091 | **0.11** | -0.15 |
| 1 | B1/B2 | Body | LTE Band 4 | 20175 | 1732.5 | 1RB50 | Left | 10mm | \ | \ | 15.87 | 16.5 | 0.036 | **0.04** | 0.021 | **0.02** | 0.04 |
| 1 | B1/B2 | Body | LTE Band 4 | 20175 | 1732.5 | 1RB50 | Right | 10mm | \ | \ | 15.87 | 16.5 | 0.023 | **0.03** | 0.014 | **0.02** | 0.18 |
| 1 | B1/B2 | Body | LTE Band 4 | 20175 | 1732.5 | 1RB50 | Top | 10mm | \ | \ | 15.87 | 16.5 | 0.213 | **0.25** | 0.111 | **0.13** | -0.16 |
| 1 | B1/B2 | Body | LTE Band 4 | 20175 | 1732.5 | 50RB0 | Front | 10mm | \ | \ | 15.96 | 16.5 | 0.159 | **0.18** | 0.092 | **0.10** | -0.08 |
| 1 | B1/B2 | Body | LTE Band 4 | 20175 | 1732.5 | 50RB0 | Rear | 10mm | \ | \ | 15.96 | 16.5 | 0.171 | **0.19** | 0.103 | **0.12** | -0.15 |
| 1 | B1/B2 | Body | LTE Band 4 | 20175 | 1732.5 | 50RB0 | Left | 10mm | \ | \ | 15.96 | 16.5 | 0.041 | **0.05** | 0.025 | **0.03** | -0.05 |
| 1 | B1/B2 | Body | LTE Band 4 | 20175 | 1732.5 | 50RB0 | Right | 10mm | \ | \ | 15.96 | 16.5 | 0.027 | **0.03** | 0.016 | **0.02** | 0.18 |
| 1 | B1/B2 | Body | LTE Band 4 | 20175 | 1732.5 | 50RB0 | Top | 10mm | \ | \ | 15.96 | 16.5 | 0.241 | **0.27** | 0.125 | **0.14** | -0.04 |
| 1 | B1/B2 | Body | LTE Band 4 | 20175 | 1732.5 | 1RB50 | Front | 15mm | \ | \ | 15.87 | 16.5 | 0.059 | **0.07** | 0.034 | **0.04** | -0.13 |
| 1 | B1/B2 | Body | LTE Band 4 | 20175 | 1732.5 | 1RB50 | Rear | 15mm | \ | \ | 15.87 | 16.5 | 0.056 | **0.06** | 0.035 | **0.04** | -0.17 |
| 1 | B1/B2 | Body | LTE Band 4 | 20175 | 1732.5 | 50RB0 | Front | 15mm | \ | \ | 15.96 | 16.5 | 0.068 | **0.08** | 0.039 | **0.04** | 0.01 |
| 1 | B1/B2 | Body | LTE Band 4 | 20175 | 1732.5 | 50RB0 | Rear | 15mm | \ | \ | 15.96 | 16.5 | 0.065 | **0.07** | 0.040 | **0.05** | 0.09 |
| | | | | | | | | | | | | | | | | | |
| 0 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Left Cheek | 0mm | \ | \ | 22.73 | 23.5 | 0.094 | **0.11** | 0.055 | **0.07** | -0.16 |
| 0 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Left Tilt | 0mm | \ | \ | 22.73 | 23.5 | 0.058 | **0.07** | 0.034 | **0.04** | -0.01 |
| 0 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Right Cheek | 0mm | \ | \ | 22.73 | 23.5 | 0.067 | **0.08** | 0.040 | **0.05** | -0.12 |
| 0 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Right Tilt | 0mm | \ | \ | 22.73 | 23.5 | 0.054 | **0.06** | 0.032 | **0.04** | 0.10 |
| 0 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Left Cheek | 0mm | \ | \ | 21.77 | 22.5 | 0.083 | **0.10** | 0.049 | **0.06** | 0.05 |
| 0 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Left Tilt | 0mm | \ | \ | 21.77 | 22.5 | 0.051 | **0.06** | 0.030 | **0.04** | 0.05 |
| 0 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Right Cheek | 0mm | \ | \ | 21.77 | 22.5 | 0.059 | **0.07** | 0.035 | **0.04** | -0.10 |
| 0 | A1/A2 | Head | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Right Tilt | 0mm | \ | \ | 21.77 | 22.5 | 0.047 | **0.06** | 0.028 | **0.03** | 0.08 |
| | | | | | | | | | | | | | | | | | |
| 0 | B1/B2 | Body | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Front | 10mm | \ | \ | 20.57 | 21.5 | 0.207 | **0.26** | 0.126 | **0.16** | 0.03 |
| 0 | B1/B2 | Body | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Rear | 10mm | \ | \ | 20.57 | 21.5 | 0.376 | **0.47** | 0.217 | **0.27** | -0.15 |
| 0 | B1/B2 | Body | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Left | 10mm | \ | \ | 20.57 | 21.5 | 0.049 | **0.06** | 0.030 | **0.04** | -0.18 |
| 0 | B1/B2 | Body | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Right | 10mm | \ | \ | 20.57 | 21.5 | 0.079 | **0.10** | 0.045 | **0.06** | -0.17 |
| 0 | B1/B2 | Body | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Bottom | 10mm | \ | \ | 20.57 | 21.5 | 0.526 | **0.65** | 0.314 | **0.39** | -0.15 |
| 0 | B1/B2 | Body | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Front | 10mm | \ | \ | 20.59 | 21.5 | 0.230 | **0.28** | 0.142 | **0.18** | 0.17 |
| 0 | B1/B2 | Body | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Rear | 10mm | \ | \ | 20.59 | 21.5 | 0.414 | **0.51** | 0.241 | **0.30** | 0.17 |
| 0 | B1/B2 | Body | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Left | 10mm | \ | \ | 20.59 | 21.5 | 0.056 | **0.07** | 0.034 | **0.04** | -0.06 |
| 0 | B1/B2 | Body | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Right | 10mm | \ | \ | 20.59 | 21.5 | 0.089 | **0.11** | 0.051 | **0.06** | 0.02 |
| 0 | B1/B2 | Body | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Bottom | 10mm | \ | **14** | 20.59 | 21.5 | **0.591** | 0.73 | 0.328 | **0.40** | 0.00 |
| 0 | B1/B2 | Body | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Front | 15mm | \ | \ | 20.57 | 21.5 | 0.110 | **0.14** | 0.069 | **0.09** | -0.10 |
| 0 | B1/B2 | Body | LTE Band 4 | 20300 | 1745.0 | 1RB50 | Rear | 15mm | \ | \ | 20.57 | 21.5 | 0.181 | **0.22** | 0.109 | **0.14** | 0.10 |
| 0 | B1/B2 | Body | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Front | 15mm | \ | \ | 20.59 | 21.5 | 0.123 | **0.15** | 0.077 | **0.09** | -0.06 |
| 0 | B1/B2 | Body | LTE Band 4 | 20300 | 1745.0 | 50RB0 | Rear | 15mm | \ | \ | 20.59 | 21.5 | 0.198 | 0.24 | 0.122 | **0.15** | -0.02 |

## Table 13.8: LTE Band 5 SAR Values

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 1RB24 | Left Cheek | 0mm | \ | \ | 23.65 | 24.5 | 0.505 | **0.61** | 0.333 | **0.40** | -0.07 |
| 1 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 1RB24 | Left Tilt | 0mm | \ | \ | 23.65 | 24.5 | 0.301 | **0.37** | 0.191 | **0.23** | -0.08 |
| 1 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 1RB24 | Right Cheek | 0mm | \ | \ | 23.65 | 24.5 | 0.505 | **0.61** | 0.338 | **0.41** | 0.10 |
| 1 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 1RB24 | Right Tilt | 0mm | \ | \ | 23.65 | 24.5 | 0.417 | **0.51** | 0.225 | **0.27** | -0.17 |
| 1 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 25RB0 | Left Cheek | 0mm | \ | \ | 22.67 | 23.5 | 0.486 | **0.59** | 0.320 | **0.39** | -0.09 |
| 1 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 25RB0 | Left Tilt | 0mm | \ | \ | 22.67 | 23.5 | 0.319 | **0.39** | 0.202 | **0.24** | -0.16 |
| 1 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 25RB0 | Right Cheek | 0mm | \ | **15** | 22.67 | 23.5 | **0.605** | 0.73 | 0.372 | **0.45** | 0.16 |
| 1 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 25RB0 | Right Tilt | 0mm | \ | \ | 22.67 | 23.5 | 0.390 | **0.47** | 0.238 | **0.29** | -0.01 |
| | | | | | | | | | | | | | | | | | |
| 1 | B1 | Body | LTE Band 5 | 20525 | 836.5 | 1RB24 | Front | 10mm | \ | \ | 23.65 | 24.5 | 0.108 | **0.13** | 0.073 | **0.09** | -0.13 |
| 1 | B1 | Body | LTE Band 5 | 20525 | 836.5 | 1RB24 | Rear | 10mm | \ | \ | 23.65 | 24.5 | 0.143 | **0.17** | 0.097 | **0.12** | -0.05 |
| 1 | B1 | Body | LTE Band 5 | 20525 | 836.5 | 1RB24 | Left | 10mm | \ | \ | 23.65 | 24.5 | 0.099 | **0.12** | 0.067 | **0.08** | -0.12 |
| 1 | B1 | Body | LTE Band 5 | 20525 | 836.5 | 1RB24 | Right | 10mm | \ | \ | 23.65 | 24.5 | 0.073 | **0.09** | 0.050 | **0.06** | -0.03 |
| 1 | B1 | Body | LTE Band 5 | 20525 | 836.5 | 1RB24 | Top | 10mm | \ | \ | 23.65 | 24.5 | 0.113 | **0.14** | 0.072 | **0.09** | -0.02 |
| 1 | B1 | Body | LTE Band 5 | 20525 | 836.5 | 25RB0 | Front | 10mm | \ | \ | 22.67 | 23.5 | 0.107 | **0.13** | 0.072 | **0.09** | 0.09 |
| 1 | B1 | Body | LTE Band 5 | 20525 | 836.5 | 25RB0 | Rear | 10mm | \ | \ | 22.67 | 23.5 | 0.143 | **0.17** | 0.095 | **0.12** | -0.06 |
| 1 | B1 | Body | LTE Band 5 | 20525 | 836.5 | 25RB0 | Left | 10mm | \ | \ | 22.67 | 23.5 | 0.103 | **0.12** | 0.070 | **0.08** | 0.09 |
| 1 | B1 | Body | LTE Band 5 | 20525 | 836.5 | 25RB0 | Right | 10mm | \ | \ | 22.67 | 23.5 | 0.074 | **0.09** | 0.050 | **0.06** | -0.18 |
| 1 | B1 | Body | LTE Band 5 | 20525 | 836.5 | 25RB0 | Top | 10mm | \ | \ | 22.67 | 23.5 | 0.115 | **0.14** | 0.073 | **0.09** | -0.14 |
| 1 | B1 | Body | LTE Band 5 | 20525 | 836.5 | 1RB24 | Front | 15mm | \ | \ | 23.65 | 24.5 | 0.080 | **0.10** | 0.057 | **0.07** | -0.13 |
| 1 | B1 | Body | LTE Band 5 | 20525 | 836.5 | 1RB24 | Rear | 15mm | \ | \ | 23.65 | 24.5 | 0.098 | **0.12** | 0.069 | **0.08** | 0.12 |
| 1 | B1 | Body | LTE Band 5 | 20525 | 836.5 | 25RB0 | Front | 15mm | \ | \ | 22.67 | 23.5 | 0.083 | **0.10** | 0.059 | **0.07** | 0.14 |
| 1 | B1 | Body | LTE Band 5 | 20525 | 836.5 | 25RB0 | Rear | 15mm | \ | \ | 22.67 | 23.5 | 0.102 | **0.12** | 0.072 | **0.09** | 0.00 |
| | | | | | | | | | | | | | | | | | |
| 1 | B2 | Body | LTE Band 5 | 20600 | 844.0 | 1RB24 | Front | 10mm | \ | \ | 22.60 | 23.5 | 0.085 | **0.10** | 0.057 | **0.07** | 0.16 |
| 1 | B2 | Body | LTE Band 5 | 20600 | 844.0 | 1RB24 | Rear | 10mm | \ | \ | 22.60 | 23.5 | 0.112 | **0.14** | 0.076 | **0.09** | 0.17 |
| 1 | B2 | Body | LTE Band 5 | 20600 | 844.0 | 1RB24 | Left | 10mm | \ | \ | 22.60 | 23.5 | 0.078 | **0.10** | 0.053 | **0.07** | 0.00 |
| 1 | B2 | Body | LTE Band 5 | 20600 | 844.0 | 1RB24 | Right | 10mm | \ | \ | 22.60 | 23.5 | 0.057 | **0.07** | 0.039 | **0.05** | 0.01 |
| 1 | B2 | Body | LTE Band 5 | 20600 | 844.0 | 1RB24 | Top | 10mm | \ | \ | 22.60 | 23.5 | 0.089 | **0.11** | 0.057 | **0.07** | 0.10 |
| 1 | B2 | Body | LTE Band 5 | 20600 | 844.0 | 25RB0 | Front | 10mm | \ | \ | 22.69 | 23.5 | 0.085 | **0.10** | 0.057 | **0.07** | -0.11 |
| 1 | B2 | Body | LTE Band 5 | 20600 | 844.0 | 25RB0 | Rear | 10mm | \ | \ | 22.69 | 23.5 | 0.114 | **0.14** | 0.076 | **0.09** | -0.06 |
| 1 | B2 | Body | LTE Band 5 | 20600 | 844.0 | 25RB0 | Left | 10mm | \ | \ | 22.69 | 23.5 | 0.082 | **0.10** | 0.056 | **0.07** | -0.02 |
| 1 | B2 | Body | LTE Band 5 | 20600 | 844.0 | 25RB0 | Right | 10mm | \ | \ | 22.69 | 23.5 | 0.059 | **0.07** | 0.040 | **0.05** | -0.02 |
| 1 | B2 | Body | LTE Band 5 | 20600 | 844.0 | 25RB0 | Top | 10mm | \ | \ | 22.69 | 23.5 | 0.092 | **0.11** | 0.058 | **0.07** | -0.07 |
| 1 | B2 | Body | LTE Band 5 | 20600 | 844.0 | 1RB24 | Front | 15mm | \ | \ | 22.60 | 23.5 | 0.063 | **0.08** | 0.045 | **0.06** | -0.15 |
| 1 | B2 | Body | LTE Band 5 | 20600 | 844.0 | 1RB24 | Rear | 15mm | \ | \ | 22.60 | 23.5 | 0.077 | **0.09** | 0.054 | **0.07** | 0.15 |
| 1 | B2 | Body | LTE Band 5 | 20600 | 844.0 | 25RB0 | Front | 15mm | \ | \ | 22.69 | 23.5 | 0.066 | **0.08** | 0.047 | **0.06** | -0.17 |
| 1 | B2 | Body | LTE Band 5 | 20600 | 844.0 | 25RB0 | Rear | 15mm | \ | \ | 22.69 | 23.5 | 0.081 | **0.10** | 0.057 | **0.07** | 0.07 |
| | | | | | | | | | | | | | | | | | |
| 0 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 1RB24 | Left Cheek | 0mm | \ | \ | 23.56 | 24.5 | 0.155 | **0.19** | 0.107 | **0.13** | 0.08 |
| 0 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 1RB24 | Left Tilt | 0mm | \ | \ | 23.56 | 24.5 | 0.069 | **0.09** | 0.049 | **0.06** | -0.08 |
| 0 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 1RB24 | Right Cheek | 0mm | \ | \ | 23.56 | 24.5 | 0.133 | **0.17** | 0.091 | **0.11** | -0.05 |
| 0 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 1RB24 | Right Tilt | 0mm | \ | \ | 23.56 | 24.5 | 0.057 | **0.07** | 0.040 | **0.05** | 0.15 |
| 0 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 25RB12 | Left Cheek | 0mm | \ | \ | 22.47 | 23.5 | 0.123 | **0.16** | 0.085 | **0.11** | -0.13 |
| 0 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 25RB12 | Left Tilt | 0mm | \ | \ | 22.47 | 23.5 | 0.056 | **0.07** | 0.039 | **0.05** | 0.08 |
| 0 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 25RB12 | Right Cheek | 0mm | \ | \ | 22.47 | 23.5 | 0.105 | **0.13** | 0.072 | **0.09** | 0.15 |
| 0 | A1/A2 | Head | LTE Band 5 | 20600 | 844.0 | 25RB12 | Right Tilt | 0mm | \ | \ | 22.47 | 23.5 | 0.044 | **0.06** | 0.031 | **0.04** | 0.05 |
| | | | | | | | | | | | | | | | | | |
| 0 | B1/B2 | Body | LTE Band 5 | 20600 | 844.0 | 1RB24 | Front | 10mm | \ | \ | 23.56 | 24.5 | 0.145 | **0.18** | 0.103 | **0.13** | 0.00 |
| 0 | B1/B2 | Body | LTE Band 5 | 20600 | 844.0 | 1RB24 | Rear | 10mm | \ | \ | 23.56 | 24.5 | 0.173 | **0.21** | 0.122 | **0.15** | 0.18 |
| 0 | B1/B2 | Body | LTE Band 5 | 20600 | 844.0 | 1RB24 | Left | 10mm | \ | **16** | 23.56 | 24.5 | **0.276** | 0.34 | 0.183 | **0.23** | 0.17 |
| 0 | B1/B2 | Body | LTE Band 5 | 20600 | 844.0 | 1RB24 | Right | 10mm | \ | \ | 23.56 | 24.5 | 0.124 | **0.15** | 0.085 | **0.11** | -0.11 |
| 0 | B1/B2 | Body | LTE Band 5 | 20600 | 844.0 | 1RB24 | Bottom | 10mm | \ | \ | 23.56 | 24.5 | 0.102 | **0.13** | 0.064 | **0.08** | 0.18 |
| 0 | B1/B2 | Body | LTE Band 5 | 20600 | 844.0 | 25RB12 | Front | 10mm | \ | \ | 22.47 | 23.5 | 0.114 | **0.14** | 0.081 | **0.10** | 0.05 |
| 0 | B1/B2 | Body | LTE Band 5 | 20600 | 844.0 | 25RB12 | Rear | 10mm | \ | \ | 22.47 | 23.5 | 0.138 | **0.17** | 0.097 | **0.12** | -0.07 |
| 0 | B1/B2 | Body | LTE Band 5 | 20600 | 844.0 | 25RB12 | Left | 10mm | \ | \ | 22.47 | 23.5 | 0.145 | **0.18** | 0.098 | **0.12** | 0.05 |
| 0 | B1/B2 | Body | LTE Band 5 | 20600 | 844.0 | 25RB12 | Right | 10mm | \ | \ | 22.47 | 23.5 | 0.097 | **0.12** | 0.066 | **0.08** | -0.12 |
| 0 | B1/B2 | Body | LTE Band 5 | 20600 | 844.0 | 25RB12 | Bottom | 10mm | \ | \ | 22.47 | 23.5 | 0.084 | **0.11** | 0.053 | **0.07** | -0.01 |
| 0 | B1/B2 | Body | LTE Band 5 | 20600 | 844.0 | 1RB24 | Front | 15mm | \ | \ | 23.56 | 24.5 | 0.139 | **0.17** | 0.098 | **0.12** | 0.11 |
| 0 | B1/B2 | Body | LTE Band 5 | 20600 | 844.0 | 1RB24 | Rear | 15mm | \ | \ | 23.56 | 24.5 | 0.153 | 0.19 | 0.108 | **0.13** | -0.18 |
| 0 | B1/B2 | Body | LTE Band 5 | 20600 | 844.0 | 25RB12 | Front | 15mm | \ | \ | 22.47 | 23.5 | 0.110 | **0.14** | 0.078 | **0.10** | -0.02 |
| 0 | B1/B2 | Body | LTE Band 5 | 20600 | 844.0 | 25RB12 | Rear | 15mm | \ | \ | 22.47 | 23.5 | 0.121 | **0.15** | 0.085 | **0.11** | 0.04 |

## Table 13.9: LTE Band 7 SAR Values

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/A2 | Head | LTE Band 7 | 21350 | 2560.0 | 1RB50 | Left Cheek | 0mm | \ | \ | 17.59 | 18.0 | 0.111 | **0.12** | 0.055 | **0.06** | -0.05 |
| 1 | A1/A2 | Head | LTE Band 7 | 21350 | 2560.0 | 1RB50 | Left Tilt | 0mm | \ | \ | 17.59 | 18.0 | 0.178 | **0.20** | 0.084 | **0.09** | -0.06 |
| 1 | A1/A2 | Head | LTE Band 7 | 21350 | 2560.0 | 1RB50 | Right Cheek | 0mm | \ | \ | 17.59 | 18.0 | 0.693 | **0.76** | 0.354 | **0.39** | 0.04 |
| 1 | A1/A2 | Head | LTE Band 7 | 21350 | 2560.0 | 1RB50 | Right Tilt | 0mm | \ | **17** | 17.59 | 18.0 | **0.803** | 0.88 | 0.348 | **0.38** | 0.14 |
| 1 | A1/A2 | Head | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Right Tilt | 0mm | \ | \ | 17.53 | 18.0 | 0.753 | **0.84** | 0.352 | **0.39** | -0.16 |
| 1 | A1/A2 | Head | LTE Band 7 | 20850 | 2510.0 | 1RB50 | Right Tilt | 0mm | \ | \ | 17.46 | 18.0 | 0.746 | **0.84** | 0.349 | **0.40** | 0.16 |
| 1 | A1/A2 | Head | LTE Band 7 | 21350 | 2560.0 | 100RB | Right Tilt | 0mm | \ | \ | 17.54 | 18.0 | 0.786 | **0.87** | 0.340 | **0.38** | 0.03 |
| 1 | A1/A2 | Head | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Left Cheek | 0mm | \ | \ | 17.61 | 18.0 | 0.111 | **0.12** | 0.055 | **0.06** | 0.05 |
| 1 | A1/A2 | Head | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Left Tilt | 0mm | \ | \ | 17.61 | 18.0 | 0.179 | **0.20** | 0.084 | **0.09** | -0.02 |
| 1 | A1/A2 | Head | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Right Cheek | 0mm | \ | \ | 17.61 | 18.0 | 0.305 | **0.33** | 0.158 | **0.17** | -0.01 |
| 1 | A1/A2 | Head | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Right Tilt | 0mm | \ | \ | 17.61 | 18.0 | 0.680 | **0.74** | 0.322 | **0.35** | 0.13 |
| | | | | | | | | | | | | | | | | | |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Front | 10mm | \ | \ | 20.10 | 20.5 | 0.229 | **0.25** | 0.109 | **0.12** | 0.06 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Rear | 10mm | \ | \ | 20.10 | 20.5 | 0.404 | **0.44** | 0.181 | **0.20** | -0.11 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Left | 10mm | \ | \ | 20.10 | 20.5 | 0.397 | **0.44** | 0.207 | **0.23** | -0.10 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Right | 10mm | \ | \ | 20.10 | 20.5 | 0.009 | **0.01** | 0.004 | **0.00** | -0.11 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Top | 10mm | \ | \ | 20.10 | 20.5 | 0.755 | **0.83** | 0.340 | **0.37** | 0.17 |
| 1 | B1 | Body | LTE Band 7 | 21350 | 2560.0 | 1RB50 | Top | 10mm | \ | \ | 20.08 | 20.5 | 0.625 | **0.69** | 0.281 | **0.31** | -0.10 |
| 1 | B1 | Body | LTE Band 7 | 20850 | 2510.0 | 1RB50 | Top | 10mm | \ | **18** | 19.92 | 20.5 | **0.845** | 0.97 | 0.382 | **0.44** | -0.11 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 100RB | Top | 10mm | \ | \ | 20.10 | 20.5 | 0.742 | **0.81** | 0.330 | **0.36** | 0.05 |
| 1 | B1 | Body | LTE Band 7 | 20850 | 2510.0 | 1RB50 | Top | 10mm | SIM2 | \ | 19.92 | 20.5 | 0.833 | **0.95** | 0.375 | **0.43** | -0.12 |
| 1 | B1 | Body | LTE Band 7 | 20850 | 2510.0 | 1RB50 | Top | 10mm | B2 | \ | 19.92 | 20.5 | 0.816 | **0.93** | 0.350 | **0.40** | 0.09 |
| 1 | B1 | Body | LTE Band 7 | 20850 | 2510.0 | 1RB50 | Top | 10mm | B3 | \ | 19.92 | 20.5 | 0.825 | **0.94** | 0.361 | **0.41** | 0.03 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 50RB0 | Front | 10mm | \ | \ | 20.11 | 20.5 | 0.233 | **0.25** | 0.118 | **0.13** | -0.09 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 50RB0 | Rear | 10mm | \ | \ | 20.11 | 20.5 | 0.411 | **0.45** | 0.183 | **0.20** | 0.18 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 50RB0 | Left | 10mm | \ | \ | 20.11 | 20.5 | 0.405 | **0.44** | 0.211 | **0.23** | -0.11 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 50RB0 | Right | 10mm | \ | \ | 20.11 | 20.5 | 0.007 | **0.01** | 0.004 | **0.00** | 0.18 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 50RB0 | Top | 10mm | \ | \ | 20.11 | 20.5 | 0.686 | **0.75** | 0.319 | **0.35** | -0.16 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Front | 15mm | \ | \ | 20.10 | 20.5 | 0.149 | **0.16** | 0.074 | **0.08** | -0.10 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Rear | 15mm | \ | \ | 20.10 | 20.5 | 0.263 | **0.29** | 0.116 | **0.13** | 0.13 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 50RB0 | Front | 15mm | \ | \ | 20.11 | 20.5 | 0.156 | **0.17** | 0.081 | **0.09** | 0.06 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 50RB0 | Rear | 15mm | \ | \ | 20.11 | 20.5 | 0.286 | 0.31 | 0.134 | **0.15** | 0.00 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 50RB0 | Rear | 15mm | SIM2 | \ | 20.11 | 20.5 | 0.270 | **0.30** | 0.118 | **0.13** | -0.07 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 50RB0 | Rear | 15mm | B2 | \ | 20.11 | 20.5 | 0.249 | **0.27** | 0.103 | **0.11** | 0.14 |
| 1 | B1 | Body | LTE Band 7 | 21100 | 2535.0 | 50RB0 | Rear | 15mm | B3 | \ | 20.11 | 20.5 | 0.264 | **0.29** | 0.115 | **0.13** | 0.06 |
| | | | | | | | | | | | | | | | | | |
| 1 | B2 | Body | LTE Band 7 | 21100 | 2560.0 | 1RB50 | Front | 10mm | \ | \ | 16.02 | 16.5 | 0.090 | **0.10** | 0.043 | **0.05** | 0.05 |
| 1 | B2 | Body | LTE Band 7 | 21100 | 2560.0 | 1RB50 | Rear | 10mm | \ | \ | 16.02 | 16.5 | 0.158 | **0.18** | 0.071 | **0.08** | 0.09 |
| 1 | B2 | Body | LTE Band 7 | 21100 | 2560.0 | 1RB50 | Left | 10mm | \ | \ | 16.02 | 16.5 | 0.155 | **0.17** | 0.081 | **0.09** | 0.05 |
| 1 | B2 | Body | LTE Band 7 | 21100 | 2560.0 | 1RB50 | Right | 10mm | \ | \ | 16.02 | 16.5 | 0.004 | **0.00** | 0.002 | **0.00** | -0.17 |
| 1 | B2 | Body | LTE Band 7 | 21100 | 2560.0 | 1RB50 | Top | 10mm | \ | \ | 16.02 | 16.5 | 0.295 | **0.33** | 0.133 | **0.15** | -0.07 |
| 1 | B2 | Body | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Front | 10mm | \ | \ | 16.13 | 16.5 | 0.093 | **0.10** | 0.047 | **0.05** | 0.18 |
| 1 | B2 | Body | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Rear | 10mm | \ | \ | 16.13 | 16.5 | 0.164 | **0.18** | 0.073 | **0.08** | -0.04 |
| 1 | B2 | Body | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Left | 10mm | \ | \ | 16.13 | 16.5 | 0.162 | **0.18** | 0.084 | **0.09** | 0.04 |
| 1 | B2 | Body | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Right | 10mm | \ | \ | 16.13 | 16.5 | 0.003 | **0.00** | 0.002 | **0.00** | 0.12 |
| 1 | B2 | Body | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Top | 10mm | \ | \ | 16.13 | 16.5 | 0.274 | **0.30** | 0.128 | **0.14** | -0.15 |
| 1 | B2 | Body | LTE Band 7 | 21350 | 2560.0 | 1RB50 | Front | 15mm | \ | \ | 16.02 | 16.5 | 0.058 | **0.06** | 0.029 | **0.03** | -0.13 |
| 1 | B2 | Body | LTE Band 7 | 21350 | 2560.0 | 1RB50 | Rear | 15mm | \ | \ | 16.02 | 16.5 | 0.103 | **0.12** | 0.045 | **0.05** | 0.00 |
| 1 | B2 | Body | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Front | 15mm | \ | \ | 16.13 | 16.5 | 0.062 | **0.07** | 0.032 | **0.03** | 0.16 |
| 1 | B2 | Body | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Rear | 15mm | \ | \ | 16.13 | 16.5 | 0.114 | **0.12** | 0.054 | **0.06** | -0.14 |
| | | | | | | | | | | | | | | | | | |
| 0 | A1/A2 | Head | LTE Band 7 | 21350 | 2560.0 | 1RB50 | Left Cheek | 0mm | \ | \ | 22.56 | 23.5 | 0.100 | **0.12** | 0.055 | **0.07** | 0.16 |
| 0 | A1/A2 | Head | LTE Band 7 | 21350 | 2560.0 | 1RB50 | Left Tilt | 0mm | \ | \ | 22.56 | 23.5 | 0.081 | **0.10** | 0.045 | **0.06** | 0.15 |
| 0 | A1/A2 | Head | LTE Band 7 | 21350 | 2560.0 | 1RB50 | Right Cheek | 0mm | \ | \ | 22.56 | 23.5 | 0.168 | **0.21** | 0.088 | **0.11** | -0.12 |
| 0 | A1/A2 | Head | LTE Band 7 | 21350 | 2560.0 | 1RB50 | Right Tilt | 0mm | \ | \ | 22.56 | 23.5 | 0.094 | **0.12** | 0.050 | **0.06** | 0.02 |
| 0 | A1/A2 | Head | LTE Band 7 | 21350 | 2560.0 | 50RB25 | Left Cheek | 0mm | \ | \ | 21.59 | 22.5 | 0.083 | **0.10** | 0.045 | **0.06** | 0.16 |
| 0 | A1/A2 | Head | LTE Band 7 | 21350 | 2560.0 | 50RB25 | Left Tilt | 0mm | \ | \ | 21.59 | 22.5 | 0.066 | **0.08** | 0.037 | **0.05** | 0.18 |
| 0 | A1/A2 | Head | LTE Band 7 | 21350 | 2560.0 | 50RB25 | Right Cheek | 0mm | \ | \ | 21.59 | 22.5 | 0.141 | **0.17** | 0.075 | **0.09** | -0.16 |
| 0 | A1/A2 | Head | LTE Band 7 | 21350 | 2560.0 | 50RB25 | Right Tilt | 0mm | \ | \ | 21.59 | 22.5 | 0.084 | **0.10** | 0.045 | **0.06** | -0.12 |
| | | | | | | | | | | | | | | | | | |
| 0 | B1/B2 | Body | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Front | 10mm | \ | \ | 20.31 | 21.0 | 0.119 | **0.14** | 0.068 | **0.08** | -0.10 |
| 0 | B1/B2 | Body | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Rear | 10mm | \ | \ | 20.31 | 21.0 | 0.237 | **0.28** | 0.124 | **0.15** | 0.08 |
| 0 | B1/B2 | Body | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Left | 10mm | \ | \ | 20.31 | 21.0 | 0.049 | **0.06** | 0.026 | **0.03** | 0.10 |
| 0 | B1/B2 | Body | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Right | 10mm | \ | \ | 20.31 | 21.0 | 0.131 | **0.15** | 0.072 | **0.08** | 0.16 |
| 0 | B1/B2 | Body | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Bottom | 10mm | \ | \ | 20.31 | 21.0 | 0.193 | **0.23** | 0.097 | **0.11** | -0.16 |
| 0 | B1/B2 | Body | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Front | 10mm | \ | \ | 20.41 | 21.0 | 0.123 | **0.14** | 0.069 | **0.08** | -0.08 |
| 0 | B1/B2 | Body | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Rear | 10mm | \ | \ | 20.41 | 21.0 | 0.245 | **0.28** | 0.129 | **0.15** | -0.04 |
| 0 | B1/B2 | Body | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Left | 10mm | \ | \ | 20.41 | 21.0 | 0.050 | **0.06** | 0.027 | **0.03** | 0.12 |
| 0 | B1/B2 | Body | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Right | 10mm | \ | \ | 20.41 | 21.0 | 0.136 | **0.16** | 0.075 | **0.09** | -0.07 |
| 0 | B1/B2 | Body | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Bottom | 10mm | \ | \ | 20.41 | 21.0 | 0.198 | **0.23** | 0.099 | **0.11** | -0.06 |
| 0 | B1/B2 | Body | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Front | 15mm | \ | \ | 20.31 | 21.0 | 0.075 | **0.09** | 0.043 | **0.05** | 0.06 |
| 0 | B1/B2 | Body | LTE Band 7 | 21100 | 2535.0 | 1RB50 | Rear | 15mm | \ | \ | 20.31 | 21.0 | 0.123 | **0.14** | 0.067 | **0.08** | -0.03 |
| 0 | B1/B2 | Body | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Front | 15mm | \ | \ | 20.41 | 21.0 | 0.076 | **0.09** | 0.044 | **0.05** | 0.13 |
| 0 | B1/B2 | Body | LTE Band 7 | 20850 | 2510.0 | 50RB50 | Rear | 15mm | \ | \ | 20.41 | 21.0 | 0.126 | **0.14** | 0.069 | **0.08** | -0.06 |

## Table 13.10: LTE Band 13 SAR Values

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 1RB49 | Left Cheek | 0mm | \ | \ | 23.54 | 24.5 | 0.222 | **0.28** | 0.150 | **0.19** | -0.04 |
| 1 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 1RB49 | Left Tilt | 0mm | \ | \ | 23.54 | 24.5 | 0.224 | **0.28** | 0.144 | **0.18** | 0.10 |
| 1 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 1RB49 | Right Cheek | 0mm | \ | **19** | 23.54 | 24.5 | **0.324** | 0.40 | 0.197 | **0.25** | 0.16 |
| 1 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 1RB49 | Right Tilt | 0mm | \ | \ | 23.54 | 24.5 | 0.245 | **0.31** | 0.149 | **0.19** | -0.12 |
| 1 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 25RB25 | Left Cheek | 0mm | \ | \ | 22.12 | 23.5 | 0.169 | **0.23** | 0.114 | **0.16** | -0.11 |
| 1 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 25RB25 | Left Tilt | 0mm | \ | \ | 22.12 | 23.5 | 0.168 | **0.23** | 0.110 | **0.15** | 0.03 |
| 1 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 25RB25 | Right Cheek | 0mm | \ | \ | 22.12 | 23.5 | 0.225 | **0.31** | 0.151 | **0.21** | 0.12 |
| 1 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 25RB25 | Right Tilt | 0mm | \ | \ | 22.12 | 23.5 | 0.185 | **0.25** | 0.113 | **0.16** | -0.03 |
| | | | | | | | | | | | | | | | | | |
| 1 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 1RB49 | Front | 10mm | \ | \ | 23.54 | 24.5 | 0.088 | **0.11** | 0.063 | **0.08** | 0.13 |
| 1 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 1RB49 | Rear | 10mm | \ | \ | 23.54 | 24.5 | 0.121 | **0.15** | 0.086 | **0.11** | 0.12 |
| 1 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 1RB49 | Left | 10mm | \ | \ | 23.54 | 24.5 | 0.125 | **0.16** | 0.086 | **0.11** | -0.06 |
| 1 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 1RB49 | Right | 10mm | \ | \ | 23.54 | 24.5 | 0.071 | **0.09** | 0.049 | **0.06** | -0.05 |
| 1 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 1RB49 | Top | 10mm | \ | \ | 23.54 | 24.5 | 0.066 | **0.08** | 0.041 | **0.05** | 0.09 |
| 1 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 25RB25 | Front | 10mm | \ | \ | 22.12 | 23.5 | 0.072 | **0.10** | 0.052 | **0.07** | -0.03 |
| 1 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 25RB25 | Rear | 10mm | \ | \ | 22.12 | 23.5 | 0.098 | **0.13** | 0.070 | **0.10** | 0.13 |
| 1 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 25RB25 | Left | 10mm | \ | \ | 22.12 | 23.5 | 0.100 | **0.14** | 0.069 | **0.09** | 0.15 |
| 1 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 25RB25 | Right | 10mm | \ | \ | 22.12 | 23.5 | 0.058 | **0.08** | 0.040 | **0.05** | 0.01 |
| 1 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 25RB25 | Top | 10mm | \ | \ | 22.12 | 23.5 | 0.054 | **0.07** | 0.034 | **0.05** | 0.05 |
| 1 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 1RB49 | Front | 15mm | \ | \ | 23.54 | 24.5 | 0.091 | **0.11** | 0.065 | **0.08** | 0.05 |
| 1 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 1RB49 | Rear | 15mm | \ | \ | 23.54 | 24.5 | 0.119 | **0.15** | 0.085 | **0.11** | -0.11 |
| 1 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 25RB25 | Front | 15mm | \ | \ | 22.12 | 23.5 | 0.075 | **0.10** | 0.053 | **0.07** | 0.18 |
| 1 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 25RB25 | Rear | 15mm | \ | \ | 22.12 | 23.5 | 0.098 | **0.13** | 0.069 | **0.09** | -0.14 |
| | | | | | | | | | | | | | | | | | |
| 0 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 1RB49 | Left Cheek | 0mm | \ | \ | 22.96 | 24.5 | 0.089 | **0.13** | 0.062 | **0.09** | 0.18 |
| 0 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 1RB49 | Left Tilt | 0mm | \ | \ | 22.96 | 24.5 | 0.046 | **0.07** | 0.033 | **0.05** | 0.08 |
| 0 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 1RB49 | Right Cheek | 0mm | \ | \ | 22.96 | 24.5 | 0.076 | **0.11** | 0.052 | **0.07** | 0.07 |
| 0 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 1RB49 | Right Tilt | 0mm | \ | \ | 22.96 | 24.5 | 0.038 | **0.05** | 0.027 | **0.04** | -0.03 |
| 0 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 25RB25 | Left Cheek | 0mm | \ | \ | 22.02 | 23.5 | 0.063 | **0.09** | 0.044 | **0.06** | 0.11 |
| 0 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 25RB25 | Left Tilt | 0mm | \ | \ | 22.02 | 23.5 | 0.032 | **0.04** | 0.023 | **0.03** | -0.10 |
| 0 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 25RB25 | Right Cheek | 0mm | \ | \ | 22.02 | 23.5 | 0.054 | **0.08** | 0.037 | **0.05** | 0.06 |
| 0 | A1/A2 | Head | LTE Band 13 | 23230 | 782.0 | 25RB25 | Right Tilt | 0mm | \ | \ | 22.02 | 23.5 | 0.028 | **0.04** | 0.019 | **0.03** | 0.00 |
| | | | | | | | | | | | | | | | | | |
| 0 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 1RB49 | Front | 10mm | \ | \ | 22.96 | 24.5 | 0.105 | **0.15** | 0.075 | **0.11** | -0.13 |
| 0 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 1RB49 | Rear | 10mm | \ | \ | 22.96 | 24.5 | 0.142 | **0.20** | 0.101 | **0.14** | -0.04 |
| 0 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 1RB49 | Left | 10mm | \ | **20** | 22.96 | 24.5 | **0.196** | 0.28 | 0.130 | **0.19** | 0.15 |
| 0 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 1RB49 | Right | 10mm | \ | \ | 22.96 | 24.5 | 0.092 | **0.13** | 0.063 | **0.09** | -0.16 |
| 0 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 1RB49 | Bottom | 10mm | \ | \ | 22.96 | 24.5 | 0.101 | **0.14** | 0.063 | **0.09** | 0.13 |
| 0 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 25RB25 | Front | 10mm | \ | \ | 22.02 | 23.5 | 0.085 | **0.12** | 0.060 | **0.08** | -0.06 |
| 0 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 25RB25 | Rear | 10mm | \ | \ | 22.02 | 23.5 | 0.104 | **0.15** | 0.074 | **0.10** | 0.09 |
| 0 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 25RB25 | Left | 10mm | \ | \ | 22.02 | 23.5 | 0.127 | **0.18** | 0.087 | **0.12** | 0.12 |
| 0 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 25RB25 | Right | 10mm | \ | \ | 22.02 | 23.5 | 0.067 | **0.09** | 0.046 | **0.06** | 0.13 |
| 0 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 25RB25 | Bottom | 10mm | \ | \ | 22.02 | 23.5 | 0.077 | **0.11** | 0.048 | **0.07** | 0.18 |
| 0 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 1RB49 | Front | 15mm | \ | \ | 22.96 | 24.5 | 0.117 | **0.17** | 0.083 | **0.12** | 0.12 |
| 0 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 1RB49 | Rear | 15mm | \ | \ | 22.96 | 24.5 | 0.139 | 0.20 | 0.099 | **0.14** | -0.07 |
| 0 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 25RB25 | Front | 15mm | \ | \ | 22.02 | 23.5 | 0.085 | **0.12** | 0.060 | **0.08** | 0.12 |
| 0 | B1/B2 | Body | LTE Band 13 | 23230 | 782.0 | 25RB25 | Rear | 15mm | \ | \ | 22.02 | 23.5 | 0.104 | **0.15** | 0.074 | **0.10** | 0.15 |

## Table 13.11: LTE Band 38 SAR Values

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/A2 | Head | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Left Cheek | 0mm | \ | \ | 19.55 | 20.0 | 0.157 | **0.17** | 0.080 | **0.09** | 0.10 |
| 1 | A1/A2 | Head | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Left Tilt | 0mm | \ | \ | 19.55 | 20.0 | 0.254 | **0.28** | 0.121 | **0.13** | 0.15 |
| 1 | A1/A2 | Head | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Right Cheek | 0mm | \ | \ | 19.55 | 20.0 | 0.580 | **0.64** | 0.258 | **0.29** | 0.16 |
| 1 | A1/A2 | Head | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Right Tilt | 0mm | \ | \ | 19.55 | 20.0 | 0.603 | **0.67** | 0.269 | **0.30** | 0.03 |
| 1 | A1/A2 | Head | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Left Cheek | 0mm | \ | \ | 19.48 | 20.0 | 0.161 | **0.18** | 0.082 | **0.09** | -0.01 |
| 1 | A1/A2 | Head | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Left Tilt | 0mm | \ | \ | 19.48 | 20.0 | 0.257 | **0.29** | 0.124 | **0.14** | -0.16 |
| 1 | A1/A2 | Head | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Right Cheek | 0mm | \ | \ | 19.48 | 20.0 | 0.602 | **0.68** | 0.271 | **0.31** | 0.15 |
| 1 | A1/A2 | Head | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Right Tilt | 0mm | \ | **21** | 19.48 | 20.0 | **0.604** | 0.68 | 0.272 | **0.31** | 0.04 |
| | | | | | | | | | | | | | | | | | |
| 1 | B1 | Body | LTE Band 38 | 38000 | 2595.0 | 1RB50 | Front | 10mm | \ | \ | 21.55 | 22.0 | 0.146 | **0.16** | 0.078 | **0.09** | -0.15 |
| 1 | B1 | Body | LTE Band 38 | 38000 | 2595.0 | 1RB50 | Rear | 10mm | \ | \ | 21.55 | 22.0 | 0.292 | **0.32** | 0.145 | **0.16** | 0.01 |
| 1 | B1 | Body | LTE Band 38 | 38000 | 2595.0 | 1RB50 | Left | 10mm | \ | \ | 21.55 | 22.0 | 0.249 | **0.28** | 0.130 | **0.14** | 0.02 |
| 1 | B1 | Body | LTE Band 38 | 38000 | 2595.0 | 1RB50 | Right | 10mm | \ | \ | 21.55 | 22.0 | 0.004 | **0.00** | 0.002 | **0.00** | -0.15 |
| 1 | B1 | Body | LTE Band 38 | 38000 | 2595.0 | 1RB50 | Top | 10mm | \ | \ | 21.55 | 22.0 | 0.376 | **0.42** | 0.174 | **0.19** | -0.12 |
| 1 | B1 | Body | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Front | 10mm | \ | \ | 21.39 | 22.0 | 0.139 | **0.16** | 0.077 | **0.09** | 0.14 |
| 1 | B1 | Body | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Rear | 10mm | \ | \ | 21.39 | 22.0 | 0.292 | **0.34** | 0.144 | **0.17** | 0.18 |
| 1 | B1 | Body | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Left | 10mm | \ | \ | 21.39 | 22.0 | 0.254 | **0.29** | 0.132 | **0.15** | 0.08 |
| 1 | B1 | Body | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Right | 10mm | \ | \ | 21.39 | 22.0 | 0.008 | **0.01** | 0.004 | **0.00** | 0.15 |
| 1 | B1 | Body | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Top | 10mm | \ | **22** | 21.39 | 22.0 | **0.497** | 0.57 | 0.213 | **0.25** | 0.14 |
| 1 | B1 | Body | LTE Band 38 | 38000 | 2595.0 | 1RB50 | Front | 15mm | \ | \ | 21.55 | 22.0 | 0.069 | **0.08** | 0.039 | **0.04** | 0.00 |
| 1 | B1 | Body | LTE Band 38 | 38000 | 2595.0 | 1RB50 | Rear | 15mm | \ | \ | 21.55 | 22.0 | 0.131 | 0.15 | 0.068 | **0.08** | -0.18 |
| 1 | B1 | Body | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Front | 15mm | \ | \ | 21.39 | 22.0 | 0.069 | **0.08** | 0.039 | **0.04** | -0.05 |
| 1 | B1 | Body | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Rear | 15mm | \ | \ | 21.39 | 22.0 | 0.131 | **0.15** | 0.068 | **0.08** | 0.13 |
| | | | | | | | | | | | | | | | | | |
| 1 | B2 | Body | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Front | 10mm | \ | \ | 18.47 | 19.0 | 0.072 | **0.08** | 0.038 | **0.04** | 0.14 |
| 1 | B2 | Body | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Rear | 10mm | \ | \ | 18.47 | 19.0 | 0.144 | **0.16** | 0.071 | **0.08** | 0.12 |
| 1 | B2 | Body | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Left | 10mm | \ | \ | 18.47 | 19.0 | 0.123 | **0.14** | 0.064 | **0.07** | 0.08 |
| 1 | B2 | Body | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Right | 10mm | \ | \ | 18.47 | 19.0 | 0.002 | **0.00** | 0.001 | **0.00** | 0.13 |
| 1 | B2 | Body | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Top | 10mm | \ | \ | 18.47 | 19.0 | 0.185 | **0.21** | 0.086 | **0.10** | 0.01 |
| 1 | B2 | Body | LTE Band 38 | 38150 | 2610.0 | 50RB25 | Front | 10mm | \ | \ | 18.43 | 19.0 | 0.070 | **0.08** | 0.039 | **0.04** | 0.00 |
| 1 | B2 | Body | LTE Band 38 | 38150 | 2610.0 | 50RB25 | Rear | 10mm | \ | \ | 18.43 | 19.0 | 0.148 | **0.17** | 0.073 | **0.08** | 0.13 |
| 1 | B2 | Body | LTE Band 38 | 38150 | 2610.0 | 50RB25 | Left | 10mm | \ | \ | 18.43 | 19.0 | 0.128 | **0.15** | 0.067 | **0.08** | 0.00 |
| 1 | B2 | Body | LTE Band 38 | 38150 | 2610.0 | 50RB25 | Right | 10mm | \ | \ | 18.43 | 19.0 | 0.004 | **0.00** | 0.002 | **0.00** | 0.17 |
| 1 | B2 | Body | LTE Band 38 | 38150 | 2610.0 | 50RB25 | Top | 10mm | \ | \ | 18.43 | 19.0 | 0.251 | **0.29** | 0.108 | **0.12** | -0.09 |
| 1 | B2 | Body | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Front | 15mm | \ | \ | 18.47 | 19.0 | 0.034 | **0.04** | 0.019 | **0.02** | -0.14 |
| 1 | B2 | Body | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Rear | 15mm | \ | \ | 18.47 | 19.0 | 0.064 | **0.07** | 0.033 | **0.04** | 0.17 |
| 1 | B2 | Body | LTE Band 38 | 38150 | 2610.0 | 50RB25 | Front | 15mm | \ | \ | 18.43 | 19.0 | 0.035 | **0.04** | 0.020 | **0.02** | -0.09 |
| 1 | B2 | Body | LTE Band 38 | 38150 | 2610.0 | 50RB25 | Rear | 15mm | \ | \ | 18.43 | 19.0 | 0.066 | **0.08** | 0.034 | **0.04** | -0.12 |
| | | | | | | | | | | | | | | | | | |
| 0 | A1/A2 | Head | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Left Cheek | 0mm | \ | \ | 22.86 | 24.0 | 0.065 | **0.08** | 0.035 | **0.05** | -0.14 |
| 0 | A1/A2 | Head | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Left Tilt | 0mm | \ | \ | 22.86 | 24.0 | 0.057 | **0.07** | 0.030 | **0.04** | 0.11 |
| 0 | A1/A2 | Head | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Right Cheek | 0mm | \ | \ | 22.86 | 24.0 | 0.136 | **0.18** | 0.071 | **0.09** | 0.00 |
| 0 | A1/A2 | Head | LTE Band 38 | 38150 | 2610.0 | 1RB50 | Right Tilt | 0mm | \ | \ | 22.86 | 24.0 | 0.067 | **0.09** | 0.034 | **0.04** | 0.11 |
| 0 | A1/A2 | Head | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Left Cheek | 0mm | \ | \ | 21.83 | 23.0 | 0.052 | **0.07** | 0.029 | **0.04** | -0.01 |
| 0 | A1/A2 | Head | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Left Tilt | 0mm | \ | \ | 21.83 | 23.0 | 0.049 | **0.06** | 0.026 | **0.03** | -0.01 |
| 0 | A1/A2 | Head | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Right Cheek | 0mm | \ | \ | 21.83 | 23.0 | 0.111 | **0.15** | 0.058 | **0.08** | 0.08 |
| 0 | A1/A2 | Head | LTE Band 38 | 38000 | 2595.0 | 50RB0 | Right Tilt | 0mm | \ | \ | 21.83 | 23.0 | 0.055 | **0.07** | 0.027 | **0.04** | 0.09 |
| | | | | | | | | | | | | | | | | | |
| 0 | B1/B2 | Body | LTE Band 38 | 38000 | 2595.0 | 1RB50 | Front | 10mm | \ | \ | 22.26 | 23.0 | 0.090 | **0.11** | 0.050 | **0.06** | 0.08 |
| 0 | B1/B2 | Body | LTE Band 38 | 38000 | 2595.0 | 1RB50 | Rear | 10mm | \ | \ | 22.26 | 23.0 | 0.159 | **0.19** | 0.085 | **0.10** | 0.14 |
| 0 | B1/B2 | Body | LTE Band 38 | 38000 | 2595.0 | 1RB50 | Left | 10mm | \ | \ | 22.26 | 23.0 | 0.033 | **0.04** | 0.018 | **0.02** | -0.10 |
| 0 | B1/B2 | Body | LTE Band 38 | 38000 | 2595.0 | 1RB50 | Right | 10mm | \ | \ | 22.26 | 23.0 | 0.091 | **0.11** | 0.050 | **0.06** | 0.16 |
| 0 | B1/B2 | Body | LTE Band 38 | 38000 | 2595.0 | 1RB50 | Bottom | 10mm | \ | \ | 22.26 | 23.0 | 0.143 | **0.17** | 0.069 | **0.08** | -0.07 |
| 0 | B1/B2 | Body | LTE Band 38 | 38000 | 2595.0 | 50RB50 | Front | 10mm | \ | \ | 21.88 | 23.0 | 0.094 | **0.12** | 0.052 | **0.07** | -0.04 |
| 0 | B1/B2 | Body | LTE Band 38 | 38000 | 2595.0 | 50RB50 | Rear | 10mm | \ | \ | 21.88 | 23.0 | 0.166 | **0.21** | 0.089 | **0.12** | 0.16 |
| 0 | B1/B2 | Body | LTE Band 38 | 38000 | 2595.0 | 50RB50 | Left | 10mm | \ | \ | 21.88 | 23.0 | 0.036 | **0.05** | 0.019 | **0.02** | -0.17 |
| 0 | B1/B2 | Body | LTE Band 38 | 38000 | 2595.0 | 50RB50 | Right | 10mm | \ | \ | 21.88 | 23.0 | 0.098 | **0.13** | 0.053 | **0.07** | -0.07 |
| 0 | B1/B2 | Body | LTE Band 38 | 38000 | 2595.0 | 50RB50 | Bottom | 10mm | \ | \ | 21.88 | 23.0 | 0.143 | **0.19** | 0.070 | **0.09** | -0.14 |
| 0 | B1/B2 | Body | LTE Band 38 | 38000 | 2595.0 | 1RB50 | Front | 15mm | \ | \ | 22.26 | 23.0 | 0.049 | **0.06** | 0.027 | **0.03** | 0.13 |
| 0 | B1/B2 | Body | LTE Band 38 | 38000 | 2595.0 | 1RB50 | Rear | 15mm | \ | \ | 22.26 | 23.0 | 0.080 | **0.09** | 0.044 | **0.05** | -0.12 |
| 0 | B1/B2 | Body | LTE Band 38 | 38000 | 2595.0 | 50RB50 | Front | 15mm | \ | \ | 21.88 | 23.0 | 0.094 | **0.12** | 0.052 | **0.07** | 0.08 |
| 0 | B1/B2 | Body | LTE Band 38 | 38000 | 2595.0 | 50RB50 | Rear | 15mm | \ | \ | 21.88 | 23.0 | 0.086 | **0.11** | 0.047 | **0.06** | 0.15 |

## Table 13.12: LTE Band 41 SAR Values

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/A2 | Head | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Left Cheek | 0mm | \ | \ | 18.93 | 19.5 | 0.174 | **0.20** | 0.088 | **0.10** | -0.15 |
| 1 | A1/A2 | Head | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Left Tilt | 0mm | \ | \ | 18.93 | 19.5 | 0.252 | **0.29** | 0.121 | **0.14** | -0.03 |
| 1 | A1/A2 | Head | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Right Cheek | 0mm | \ | \ | 18.93 | 19.5 | 0.493 | **0.56** | 0.312 | **0.36** | -0.17 |
| 1 | A1/A2 | Head | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Right Tilt | 0mm | \ | \ | 18.93 | 19.5 | 0.496 | **0.57** | 0.301 | **0.34** | -0.16 |
| 1 | A1/A2 | Head | LTE Band 41 | 40640 | 2595.0 | 50RB0 | Left Cheek | 0mm | \ | \ | 18.85 | 19.5 | 0.177 | **0.21** | 0.089 | **0.10** | -0.07 |
| 1 | A1/A2 | Head | LTE Band 41 | 40640 | 2595.0 | 50RB0 | Left Tilt | 0mm | \ | \ | 18.85 | 19.5 | 0.249 | **0.29** | 0.120 | **0.14** | -0.18 |
| 1 | A1/A2 | Head | LTE Band 41 | 40640 | 2595.0 | 50RB0 | Right Cheek | 0mm | \ | \ | 18.85 | 19.5 | 0.489 | **0.57** | 0.324 | **0.38** | -0.15 |
| 1 | A1/A2 | Head | LTE Band 41 | 40640 | 2595.0 | 50RB0 | Right Tilt | 0mm | \ | **23** | 18.85 | 19.5 | **0.497** | 0.58 | 0.223 | **0.26** | -0.15 |
| | | | | | | | | | | | | | | | | | |
| 1 | B1 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Front | 10mm | \ | \ | 21.38 | 22.0 | 0.126 | **0.15** | 0.069 | **0.08** | 0.09 |
| 1 | B1 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Rear | 10mm | \ | \ | 21.38 | 22.0 | 0.231 | **0.27** | 0.116 | **0.13** | -0.02 |
| 1 | B1 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Left | 10mm | \ | \ | 21.38 | 22.0 | 0.202 | **0.23** | 0.106 | **0.12** | 0.18 |
| 1 | B1 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Right | 10mm | \ | \ | 21.38 | 22.0 | 0.003 | **0.00** | 0.001 | **0.00** | -0.15 |
| 1 | B1 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Top | 10mm | \ | \ | 21.38 | 22.0 | 0.333 | **0.38** | 0.154 | **0.18** | -0.17 |
| 1 | B1 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB0 | Front | 10mm | \ | \ | 21.26 | 22.0 | 0.129 | **0.15** | 0.070 | **0.08** | -0.16 |
| 1 | B1 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB0 | Rear | 10mm | \ | \ | 21.26 | 22.0 | 0.231 | **0.27** | 0.117 | **0.14** | 0.10 |
| 1 | B1 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB0 | Left | 10mm | \ | \ | 21.26 | 22.0 | 0.214 | **0.25** | 0.112 | **0.13** | 0.09 |
| 1 | B1 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB0 | Right | 10mm | \ | \ | 21.26 | 22.0 | 0.004 | **0.00** | 0.001 | **0.00** | -0.02 |
| 1 | B1 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB0 | Top | 10mm | \ | **24** | 21.26 | 22.0 | **0.591** | 0.70 | 0.257 | **0.30** | 0.13 |
| 1 | B1 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Front | 15mm | \ | \ | 21.38 | 22.0 | 0.064 | **0.07** | 0.036 | **0.04** | -0.05 |
| 1 | B1 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Rear | 15mm | \ | \ | 21.38 | 22.0 | 0.108 | **0.12** | 0.057 | **0.07** | 0.00 |
| 1 | B1 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB0 | Front | 15mm | \ | \ | 21.26 | 22.0 | 0.068 | **0.08** | 0.038 | **0.05** | -0.02 |
| 1 | B1 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB0 | Rear | 15mm | \ | \ | 21.26 | 22.0 | 0.110 | 0.13 | 0.058 | **0.07** | -0.05 |
| | | | | | | | | | | | | | | | | | |
| 1 | B2 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Front | 10mm | \ | \ | 17.88 | 18.5 | 0.056 | **0.06** | 0.031 | **0.04** | -0.04 |
| 1 | B2 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Rear | 10mm | \ | \ | 17.88 | 18.5 | 0.103 | **0.12** | 0.052 | **0.06** | -0.09 |
| 1 | B2 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Left | 10mm | \ | \ | 17.88 | 18.5 | 0.090 | **0.10** | 0.047 | **0.05** | 0.13 |
| 1 | B2 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Right | 10mm | \ | \ | 17.88 | 18.5 | 0.001 | **0.00** | 0.000 | **0.00** | -0.07 |
| 1 | B2 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Top | 10mm | \ | \ | 17.88 | 18.5 | 0.149 | **0.17** | 0.069 | **0.08** | 0.13 |
| 1 | B2 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB50 | Front | 10mm | \ | \ | 17.85 | 18.5 | 0.059 | **0.07** | 0.032 | **0.04** | 0.01 |
| 1 | B2 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB50 | Rear | 10mm | \ | \ | 17.85 | 18.5 | 0.105 | **0.12** | 0.053 | **0.06** | 0.13 |
| 1 | B2 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB50 | Left | 10mm | \ | \ | 17.85 | 18.5 | 0.098 | **0.11** | 0.051 | **0.06** | 0.15 |
| 1 | B2 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB50 | Right | 10mm | \ | \ | 17.85 | 18.5 | 0.002 | **0.00** | 0.000 | **0.00** | 0.18 |
| 1 | B2 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB50 | Top | 10mm | \ | \ | 17.85 | 18.5 | 0.270 | **0.31** | 0.117 | **0.14** | 0.00 |
| 1 | B2 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Front | 15mm | \ | \ | 17.88 | 18.5 | 0.029 | **0.03** | 0.016 | **0.02** | 0.08 |
| 1 | B2 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Rear | 15mm | \ | \ | 17.88 | 18.5 | 0.048 | **0.06** | 0.025 | **0.03** | -0.16 |
| 1 | B2 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB50 | Front | 15mm | \ | \ | 17.85 | 18.5 | 0.031 | **0.04** | 0.017 | **0.02** | -0.06 |
| 1 | B2 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB50 | Rear | 15mm | \ | \ | 17.85 | 18.5 | 0.050 | **0.06** | 0.026 | **0.03** | 0.08 |
| | | | | | | | | | | | | | | | | | |
| 0 | A1/A2 | Head | LTE Band 41 | 40640 | 2595.0 | 1RB50 | Left Cheek | 0mm | \ | \ | 23.24 | 24.0 | 0.062 | **0.07** | 0.034 | **0.04** | -0.10 |
| 0 | A1/A2 | Head | LTE Band 41 | 40640 | 2595.0 | 1RB50 | Left Tilt | 0mm | \ | \ | 23.24 | 24.0 | 0.057 | **0.07** | 0.031 | **0.04** | 0.16 |
| 0 | A1/A2 | Head | LTE Band 41 | 40640 | 2595.0 | 1RB50 | Right Cheek | 0mm | \ | \ | 23.24 | 24.0 | 0.133 | **0.16** | 0.070 | **0.08** | -0.08 |
| 0 | A1/A2 | Head | LTE Band 41 | 40640 | 2595.0 | 1RB50 | Right Tilt | 0mm | \ | \ | 23.24 | 24.0 | 0.068 | **0.08** | 0.034 | **0.04** | 0.09 |
| 0 | A1/A2 | Head | LTE Band 41 | 41140 | 2645.0 | 50RB25 | Left Cheek | 0mm | \ | \ | 22.13 | 23.0 | 0.053 | **0.06** | 0.029 | **0.04** | -0.10 |
| 0 | A1/A2 | Head | LTE Band 41 | 41140 | 2645.0 | 50RB25 | Left Tilt | 0mm | \ | \ | 22.13 | 23.0 | 0.048 | **0.06** | 0.025 | **0.03** | 0.10 |
| 0 | A1/A2 | Head | LTE Band 41 | 41140 | 2645.0 | 50RB25 | Right Cheek | 0mm | \ | \ | 22.13 | 23.0 | 0.110 | **0.13** | 0.057 | **0.07** | -0.05 |
| 0 | A1/A2 | Head | LTE Band 41 | 41140 | 2645.0 | 50RB25 | Right Tilt | 0mm | \ | \ | 22.13 | 23.0 | 0.053 | **0.06** | 0.027 | **0.03** | -0.07 |
| | | | | | | | | | | | | | | | | | |
| 0 | B1/B2 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Front | 10mm | \ | \ | 21.14 | 22.0 | 0.111 | **0.14** | 0.061 | **0.07** | -0.13 |
| 0 | B1/B2 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Rear | 10mm | \ | \ | 21.14 | 22.0 | 0.199 | **0.24** | 0.106 | **0.13** | 0.04 |
| 0 | B1/B2 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Left | 10mm | \ | \ | 21.14 | 22.0 | 0.043 | **0.05** | 0.023 | **0.03** | 0.01 |
| 0 | B1/B2 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Right | 10mm | \ | \ | 21.14 | 22.0 | 0.110 | **0.13** | 0.060 | **0.07** | 0.06 |
| 0 | B1/B2 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Bottom | 10mm | \ | \ | 21.14 | 22.0 | 0.181 | **0.22** | 0.088 | **0.11** | 0.07 |
| 0 | B1/B2 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB0 | Front | 10mm | \ | \ | 21.04 | 22.0 | 0.117 | **0.15** | 0.065 | **0.08** | 0.12 |
| 0 | B1/B2 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB0 | Rear | 10mm | \ | \ | 21.04 | 22.0 | 0.211 | **0.26** | 0.113 | **0.14** | -0.15 |
| 0 | B1/B2 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB0 | Left | 10mm | \ | \ | 21.04 | 22.0 | 0.046 | **0.06** | 0.024 | **0.03** | -0.04 |
| 0 | B1/B2 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB0 | Right | 10mm | \ | \ | 21.04 | 22.0 | 0.120 | **0.15** | 0.065 | **0.08** | -0.15 |
| 0 | B1/B2 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB0 | Bottom | 10mm | \ | \ | 21.04 | 22.0 | 0.185 | **0.23** | 0.090 | **0.11** | 0.00 |
| 0 | B1/B2 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Front | 15mm | \ | \ | 21.14 | 22.0 | 0.062 | **0.08** | 0.034 | **0.04** | -0.02 |
| 0 | B1/B2 | Body | LTE Band 41 | 41140 | 2645.0 | 1RB50 | Rear | 15mm | \ | \ | 21.14 | 22.0 | 0.107 | **0.13** | 0.058 | **0.07** | 0.01 |
| 0 | B1/B2 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB0 | Front | 15mm | \ | \ | 21.04 | 22.0 | 0.065 | **0.08** | 0.037 | **0.05** | -0.14 |
| 0 | B1/B2 | Body | LTE Band 41 | 41140 | 2645.0 | 50RB0 | Rear | 15mm | \ | \ | 21.04 | 22.0 | 0.107 | **0.13** | 0.058 | **0.07** | 0.07 |

## Table 13.13: LTE Band 66 SAR Values

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Left Cheek | 0mm | \ | \ | 19.49 | 20.0 | 0.476 | **0.54** | 0.263 | **0.30** | -0.13 |
| 1 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Left Tilt | 0mm | \ | \ | 19.49 | 20.0 | 0.640 | **0.72** | 0.349 | **0.39** | -0.05 |
| 1 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Right Cheek | 0mm | \ | \ | 19.49 | 20.0 | 0.666 | **0.75** | 0.349 | **0.39** | 0.06 |
| 1 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Right Tilt | 0mm | \ | \ | 19.49 | 20.0 | 0.847 | **0.95** | 0.445 | **0.50** | 0.00 |
| 1 | A1/A2 | Head | LTE Band 66 | 132572 | 1770.0 | 1RB50 | Right Tilt | 0mm | \ | **25** | 19.48 | 20.0 | **1.000** | 1.13 | 0.452 | **0.51** | -0.11 |
| 1 | A1/A2 | Head | LTE Band 66 | 132072 | 1720.0 | 1RB50 | Right Tilt | 0mm | \ | \ | 19.35 | 20.0 | 0.717 | **0.83** | 0.374 | **0.43** | 0.18 |
| 1 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 100RB | Right Tilt | 0mm | \ | \ | 19.50 | 20.0 | 0.856 | **0.96** | 0.458 | **0.51** | -0.07 |
| 1 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Left Cheek | 0mm | \ | \ | 19.64 | 20.0 | 0.517 | **0.56** | 0.290 | **0.32** | -0.04 |
| 1 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Left Tilt | 0mm | \ | \ | 19.64 | 20.0 | 0.673 | **0.73** | 0.384 | **0.42** | -0.14 |
| 1 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Right Cheek | 0mm | \ | \ | 19.64 | 20.0 | 0.704 | **0.76** | 0.387 | **0.42** | -0.16 |
| 1 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Right Tilt | 0mm | \ | \ | 19.64 | 20.0 | 0.928 | **1.01** | 0.492 | **0.53** | -0.06 |
| 1 | A1/A2 | Head | LTE Band 66 | 132572 | 1770.0 | 50RB0 | Right Tilt | 0mm | \ | \ | 19.38 | 20.0 | 0.946 | **1.09** | 0.524 | **0.60** | 0.12 |
| 1 | A1/A2 | Head | LTE Band 66 | 132072 | 1720.0 | 50RB0 | Right Tilt | 0mm | \ | \ | 19.31 | 20.0 | 0.728 | **0.85** | 0.380 | **0.45** | 0.04 |
| 1 | A1/A2 | Head | LTE Band 66 | 132572 | 1770.0 | 1RB50 | Right Tilt | 0mm | SIM2 | \ | 19.48 | 20.0 | 0.995 | **1.12** | 0.443 | **0.50** | 0.06 |
| 1 | A1/A2 | Head | LTE Band 66 | 132572 | 1770.0 | 1RB50 | Right Tilt | 0mm | B2 | \ | 19.48 | 20.0 | 0.977 | **1.10** | 0.425 | **0.48** | 0.08 |
| 1 | A1/A2 | Head | LTE Band 66 | 132572 | 1770.0 | 1RB50 | Right Tilt | 0mm | B3 | \ | 19.48 | 20.0 | 0.984 | **1.11** | 0.436 | **0.49** | -0.02 |
| | | | | | | | | | | | | | | | | | |
| 1 | B1 | Body | LTE Band 66 | 132572 | 1770.0 | 1RB50 | Front | 10mm | \ | \ | 21.46 | 22.0 | 0.334 | **0.38** | 0.186 | **0.21** | -0.09 |
| 1 | B1 | Body | LTE Band 66 | 132572 | 1770.0 | 1RB50 | Rear | 10mm | \ | \ | 21.46 | 22.0 | 0.293 | **0.33** | 0.178 | **0.20** | -0.18 |
| 1 | B1 | Body | LTE Band 66 | 132572 | 1770.0 | 1RB50 | Left | 10mm | \ | \ | 21.46 | 22.0 | 0.094 | **0.11** | 0.056 | **0.06** | 0.11 |
| 1 | B1 | Body | LTE Band 66 | 132572 | 1770.0 | 1RB50 | Right | 10mm | \ | \ | 21.46 | 22.0 | 0.060 | **0.07** | 0.036 | **0.04** | 0.14 |
| 1 | B1 | Body | LTE Band 66 | 132572 | 1770.0 | 1RB50 | Top | 10mm | \ | \ | 21.46 | 22.0 | 0.481 | **0.54** | 0.254 | **0.29** | -0.15 |
| 1 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB25 | Front | 10mm | \ | \ | 21.41 | 22.0 | 0.301 | **0.34** | 0.170 | **0.19** | 0.10 |
| 1 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB25 | Rear | 10mm | \ | \ | 21.41 | 22.0 | 0.266 | **0.30** | 0.161 | **0.18** | 0.16 |
| 1 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB25 | Left | 10mm | \ | \ | 21.41 | 22.0 | 0.083 | **0.10** | 0.049 | **0.06** | -0.09 |
| 1 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB25 | Right | 10mm | \ | \ | 21.41 | 22.0 | 0.052 | **0.06** | 0.031 | **0.04** | -0.10 |
| 1 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB25 | Top | 10mm | \ | \ | 21.41 | 22.0 | 0.435 | **0.50** | 0.229 | **0.26** | -0.03 |
| 1 | B1 | Body | LTE Band 66 | 132572 | 1770.0 | 1RB50 | Front | 15mm | \ | \ | 21.46 | 22.0 | 0.171 | **0.19** | 0.101 | **0.11** | -0.02 |
| 1 | B1 | Body | LTE Band 66 | 132572 | 1770.0 | 1RB50 | Rear | 15mm | \ | \ | 21.46 | 22.0 | 0.153 | **0.17** | 0.093 | **0.11** | 0.07 |
| 1 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB25 | Front | 15mm | \ | \ | 21.41 | 22.0 | 0.154 | **0.18** | 0.091 | **0.10** | -0.08 |
| 1 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB25 | Rear | 15mm | \ | \ | 21.41 | 22.0 | 0.137 | **0.16** | 0.084 | **0.10** | 0.07 |
| | | | | | | | | | | | | | | | | | |
| 1 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Front | 10mm | \ | \ | 19.49 | 20.0 | 0.212 | **0.24** | 0.118 | **0.13** | -0.05 |
| 1 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Rear | 10mm | \ | \ | 19.49 | 20.0 | 0.186 | **0.21** | 0.113 | **0.13** | -0.13 |
| 1 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Left | 10mm | \ | \ | 19.49 | 20.0 | 0.060 | **0.07** | 0.036 | **0.04** | 0.18 |
| 1 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Right | 10mm | \ | \ | 19.49 | 20.0 | 0.038 | **0.04** | 0.023 | **0.03** | -0.17 |
| 1 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Top | 10mm | \ | \ | 19.49 | 20.0 | 0.306 | **0.34** | 0.161 | **0.18** | 0.05 |
| 1 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Front | 10mm | \ | \ | 19.64 | 20.0 | 0.200 | **0.22** | 0.113 | **0.12** | 0.13 |
| 1 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Rear | 10mm | \ | \ | 19.64 | 20.0 | 0.177 | **0.19** | 0.107 | **0.12** | 0.13 |
| 1 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Left | 10mm | \ | \ | 19.64 | 20.0 | 0.055 | **0.06** | 0.033 | **0.04** | -0.11 |
| 1 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Right | 10mm | \ | \ | 19.64 | 20.0 | 0.035 | **0.04** | 0.021 | **0.02** | -0.04 |
| 1 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Top | 10mm | \ | \ | 19.64 | 20.0 | 0.289 | **0.31** | 0.152 | **0.17** | -0.04 |
| 1 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Front | 15mm | \ | \ | 19.49 | 20.0 | 0.109 | **0.12** | 0.064 | **0.07** | 0.15 |
| 1 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Rear | 15mm | \ | \ | 19.49 | 20.0 | 0.097 | **0.11** | 0.059 | **0.07** | -0.04 |
| 1 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Front | 15mm | \ | \ | 19.64 | 20.0 | 0.102 | **0.11** | 0.061 | **0.07** | -0.08 |
| 1 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Rear | 15mm | \ | \ | 19.64 | 20.0 | 0.091 | **0.10** | 0.056 | **0.06** | -0.07 |
| | | | | | | | | | | | | | | | | | |
| 0 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Left Cheek | 0mm | \ | \ | 22.83 | 24.0 | 0.108 | **0.14** | 0.063 | **0.08** | -0.04 |
| 0 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Left Tilt | 0mm | \ | \ | 22.83 | 24.0 | 0.070 | **0.09** | 0.041 | **0.05** | -0.03 |
| 0 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Right Cheek | 0mm | \ | \ | 22.83 | 24.0 | 0.077 | **0.10** | 0.046 | **0.06** | 0.05 |
| 0 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Right Tilt | 0mm | \ | \ | 22.83 | 24.0 | 0.064 | **0.08** | 0.038 | **0.05** | -0.10 |
| 0 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Left Cheek | 0mm | \ | \ | 21.80 | 23.0 | 0.093 | **0.12** | 0.054 | **0.07** | -0.02 |
| 0 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Left Tilt | 0mm | \ | \ | 21.80 | 23.0 | 0.061 | **0.08** | 0.036 | **0.05** | 0.17 |
| 0 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Right Cheek | 0mm | \ | \ | 21.80 | 23.0 | 0.067 | **0.09** | 0.040 | **0.05** | -0.10 |
| 0 | A1/A2 | Head | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Right Tilt | 0mm | \ | \ | 21.80 | 23.0 | 0.055 | **0.07** | 0.033 | **0.04** | -0.13 |
| | | | | | | | | | | | | | | | | | |
| 0 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Front | 10mm | \ | \ | 20.11 | 21.0 | 0.242 | **0.30** | 0.149 | **0.18** | 0.03 |
| 0 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Rear | 10mm | \ | \ | 20.11 | 21.0 | 0.426 | **0.52** | 0.247 | **0.30** | -0.16 |
| 0 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Left | 10mm | \ | \ | 20.11 | 21.0 | 0.064 | **0.08** | 0.039 | **0.05** | -0.08 |
| 0 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Right | 10mm | \ | \ | 20.11 | 21.0 | 0.094 | **0.12** | 0.054 | **0.07** | -0.11 |
| 0 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Bottom | 10mm | \ | \ | 20.11 | 21.0 | 0.599 | **0.74** | 0.324 | **0.40** | -0.13 |
| 0 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Front | 10mm | \ | \ | 20.19 | 21.0 | 0.258 | **0.31** | 0.158 | **0.19** | -0.18 |
| 0 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Rear | 10mm | \ | \ | 20.19 | 21.0 | 0.440 | **0.53** | 0.264 | **0.32** | 0.12 |
| 0 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Left | 10mm | \ | \ | 20.19 | 21.0 | 0.071 | **0.09** | 0.043 | **0.05** | 0.03 |
| 0 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Right | 10mm | \ | \ | 20.19 | 21.0 | 0.101 | **0.12** | 0.058 | **0.07** | -0.01 |
| 0 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Bottom | 10mm | \ | **26** | 20.19 | 21.0 | **0.611** | 0.74 | 0.341 | **0.41** | -0.15 |
| 0 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Front | 15mm | \ | \ | 20.11 | 21.0 | 0.140 | **0.17** | 0.087 | **0.11** | 0.14 |
| 0 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Rear | 15mm | \ | \ | 20.11 | 21.0 | 0.223 | **0.27** | 0.134 | **0.16** | -0.18 |
| 0 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Front | 15mm | \ | \ | 20.19 | 21.0 | 0.148 | **0.18** | 0.092 | **0.11** | -0.16 |
| 0 | B1 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Rear | 15mm | \ | \ | 20.19 | 21.0 | 0.238 | 0.29 | 0.143 | **0.17** | -0.11 |
| | | | | | | | | | | | | | | | | | |
| 0 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Front | 10mm | \ | \ | 19.15 | 20.0 | 0.210 | **0.26** | 0.129 | **0.16** | 0.00 |
| 0 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Rear | 10mm | \ | \ | 19.15 | 20.0 | 0.369 | **0.45** | 0.214 | **0.26** | 0.12 |
| 0 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Left | 10mm | \ | \ | 19.15 | 20.0 | 0.055 | **0.07** | 0.034 | **0.04** | 0.15 |
| 0 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Right | 10mm | \ | \ | 19.15 | 20.0 | 0.081 | **0.10** | 0.047 | **0.06** | 0.00 |
| 0 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Bottom | 10mm | \ | \ | 19.15 | 20.0 | 0.433 | **0.53** | 0.246 | **0.30** | -0.10 |
| 0 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Front | 10mm | \ | \ | 19.21 | 20.0 | 0.227 | **0.27** | 0.139 | **0.17** | 0.13 |
| 0 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Rear | 10mm | \ | \ | 19.21 | 20.0 | 0.388 | **0.47** | 0.233 | **0.28** | 0.18 |
| 0 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Left | 10mm | \ | \ | 19.21 | 20.0 | 0.063 | **0.08** | 0.038 | **0.05** | 0.07 |
| 0 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Right | 10mm | \ | \ | 19.21 | 20.0 | 0.089 | **0.11** | 0.051 | **0.06** | 0.13 |
| 0 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Bottom | 10mm | \ | \ | 19.21 | 20.0 | 0.538 | **0.65** | 0.300 | **0.36** | 0.18 |
| 0 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Front | 15mm | \ | \ | 19.15 | 20.0 | 0.121 | **0.15** | 0.075 | **0.09** | 0.01 |
| 0 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 1RB50 | Rear | 15mm | \ | \ | 19.15 | 20.0 | 0.193 | **0.23** | 0.116 | **0.14** | 0.01 |
| 0 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Front | 15mm | \ | \ | 19.21 | 20.0 | 0.130 | **0.16** | 0.081 | **0.10** | -0.15 |
| 0 | B2 | Body | LTE Band 66 | 132322 | 1745.0 | 50RB0 | Rear | 15mm | \ | \ | 19.21 | 20.0 | 0.210 | **0.25** | 0.126 | **0.15** | 0.09 |

## Table 13.14: Bluetooth SAR Values

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C1/C2 | Head | Bluetooth | 78 | 2480.0 | GFSK | Left Cheek | 0mm | \ | **27** | 10.89 | 12.5 | **0.055** | 0.08 | 0.028 | **0.04** | 0.14 |
| 3 | C1/C2 | Head | Bluetooth | 78 | 2480.0 | GFSK | Left Tilt | 0mm | \ | \ | 10.89 | 12.5 | 0.055 | **0.08** | 0.023 | **0.03** | 0.14 |
| 3 | C1/C2 | Head | Bluetooth | 78 | 2480.0 | GFSK | Right Cheek | 0mm | \ | \ | 10.89 | 12.5 | 0.029 | **0.04** | 0.016 | **0.02** | 0.06 |
| 3 | C1/C2 | Head | Bluetooth | 78 | 2480.0 | GFSK | Right Tilt | 0mm | \ | \ | 10.89 | 12.5 | 0.036 | **0.05** | 0.018 | **0.03** | 0.08 |
| | | | | | | | | | | | | | | | | | |
| 3 | D1/D2 | Body | Bluetooth | 78 | 2480.0 | GFSK | Front | 10mm | \ | \ | 10.89 | 12.5 | 0.011 | **0.02** | 0.005 | **0.01** | -0.13 |
| 3 | D1/D2 | Body | Bluetooth | 78 | 2480.0 | GFSK | Rear | 10mm | \ | \ | 10.89 | 12.5 | 0.014 | **0.02** | 0.006 | **0.01** | 0.18 |
| 3 | D1/D2 | Body | Bluetooth | 78 | 2480.0 | GFSK | Left | 10mm | \ | \ | 10.89 | 12.5 | 0.001 | **0.00** | 0.000 | **0.00** | -0.15 |
| 3 | D1/D2 | Body | Bluetooth | 78 | 2480.0 | GFSK | Right | 10mm | \ | \ | 10.89 | 12.5 | 0.007 | **0.01** | 0.003 | **0.00** | 0.16 |
| 3 | D1/D2 | Body | Bluetooth | 78 | 2480.0 | GFSK | Top | 10mm | \ | **28** | 10.89 | 12.5 | **0.015** | 0.02 | 0.006 | **0.01** | -0.13 |
| 3 | D1/D2 | Body | Bluetooth | 78 | 2480.0 | GFSK | Front | 15mm | \ | \ | 10.89 | 12.5 | 0.006 | **0.01** | 0.003 | **0.00** | 0.08 |
| 3 | D1/D2 | Body | Bluetooth | 78 | 2480.0 | GFSK | Rear | 15mm | \ | \ | 10.89 | 12.5 | 0.006 | **0.01** | 0.003 | **0.00** | 0.15 |

## 13.3. WLAN Evaluation for 2.4GHz

According to the KDB248227 D01, SAR is measured for 2.4GHz 802.11b DSSS using the initial test position procedure.

**Table 13.15: WLAN 2.4GHz SAR Values**

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C1 | Head | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Left Cheek | 0mm | \ | **29** | 16.24 | 18.0 | **0.441** | 0.66 | 0.245 | **0.37** | -0.04 |
| 3 | C1 | Head | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Left Tilt | 0mm | \ | \ | 16.24 | 18.0 | 0.339 | **0.51** | 0.169 | **0.25** | 0.17 |
| 3 | C1 | Head | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Right Cheek | 0mm | \ | \ | 16.24 | 18.0 | 0.228 | **0.34** | 0.123 | **0.18** | 0.01 |
| 3 | C1 | Head | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Right Tilt | 0mm | \ | \ | 16.24 | 18.0 | 0.255 | **0.38** | 0.128 | **0.19** | -0.06 |
| | | | | | | | | | | | | | | | | | |
| 3 | C2 | Head | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Left Cheek | 0mm | \ | \ | 12.91 | 14.5 | 0.205 | **0.30** | 0.114 | **0.16** | 0.17 |
| 3 | C2 | Head | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Left Tilt | 0mm | \ | \ | 12.91 | 14.5 | 0.157 | **0.23** | 0.078 | **0.11** | -0.07 |
| 3 | C2 | Head | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Right Cheek | 0mm | \ | \ | 12.91 | 14.5 | 0.106 | **0.15** | 0.057 | **0.08** | -0.05 |
| 3 | C2 | Head | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Right Tilt | 0mm | \ | \ | 12.91 | 14.5 | 0.118 | **0.17** | 0.060 | **0.09** | -0.14 |
| | | | | | | | | | | | | | | | | | |
| 3 | D1 | Body | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Front | 10mm | \ | \ | 17.68 | 19.5 | 0.144 | **0.22** | 0.078 | **0.12** | 0.12 |
| 3 | D1 | Body | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Rear | 10mm | \ | \ | 17.68 | 19.5 | 0.146 | **0.22** | 0.071 | **0.11** | 0.11 |
| 3 | D1 | Body | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Left | 10mm | \ | \ | 17.68 | 19.5 | 0.021 | **0.03** | 0.012 | **0.02** | -0.06 |
| 3 | D1 | Body | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Right | 10mm | \ | \ | 17.68 | 19.5 | 0.091 | **0.14** | 0.040 | **0.06** | 0.08 |
| 3 | D1 | Body | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Top | 10mm | \ | **30** | 17.68 | 19.5 | **0.180** | 0.27 | 0.094 | **0.14** | 0.16 |
| 3 | D1 | Body | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Front | 15mm | \ | \ | 17.68 | 19.5 | 0.079 | 0.12 | 0.044 | **0.07** | -0.03 |
| 3 | D1 | Body | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Rear | 15mm | \ | \ | 17.68 | 19.5 | 0.076 | **0.12** | 0.043 | **0.07** | 0.07 |
| | | | | | | | | | | | | | | | | | |
| 3 | D2 | Body | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Front | 10mm | \ | \ | 16.72 | 18.5 | 0.115 | **0.17** | 0.063 | **0.09** | -0.04 |
| 3 | D2 | Body | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Rear | 10mm | \ | \ | 16.72 | 18.5 | 0.117 | **0.18** | 0.057 | **0.09** | 0.04 |
| 3 | D2 | Body | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Left | 10mm | \ | \ | 16.72 | 18.5 | 0.017 | **0.03** | 0.010 | **0.02** | 0.08 |
| 3 | D2 | Body | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Right | 10mm | \ | \ | 16.72 | 18.5 | 0.073 | **0.11** | 0.032 | **0.05** | -0.17 |
| 3 | D2 | Body | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Top | 10mm | \ | \ | 16.72 | 18.5 | 0.120 | **0.18** | 0.064 | **0.10** | -0.12 |
| 3 | D2 | Body | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Front | 15mm | \ | \ | 16.72 | 18.5 | 0.063 | **0.09** | 0.035 | **0.05** | -0.08 |
| 3 | D2 | Body | WLAN 2.4GHz | 6 | 2437.0 | 802.11b | Rear | 15mm | \ | \ | 16.72 | 18.5 | 0.061 | **0.09** | 0.034 | **0.05** | -0.02 |

Note: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

**WLAN 2.4GHz SAR Values - (Scaled Reported SAR)**

| Frequency | | Test Position | | Actual duty factor | Maximum duty factor | Reported SAR (1g)(W/kg) | Scaled reported SAR (1g)(W/kg) |
|---|---|---|---|---|---|---|---|
| Ch. | MHz | | | | | | |
| 6 | 2437.0 | Head | Left Cheek | 100% | 100% | 0.66 | **0.66** |
| 6 | 2437.0 | Body | Top | 100% | 100% | 0.27 | **0.27** |

SAR is not required for OFDM because the 802.11b adjusted SAR ≤ 1.2 W/kg.

## 13.4. WLAN Evaluation for 5GHz

**Table 13.16: WLAN 5GHz SAR Values**

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C1 | Head | U-NII-2A | 58 | 5290.0 | 802.11ac80 | Left Cheek | 0mm | \ | \ | 16.66 | 18.5 | 0.625 | **0.95** | 0.246 | **0.38** | 0.00 |
| 3 | C1 | Head | U-NII-2A | 58 | 5290.0 | 802.11ac80 | Left Tilt | 0mm | \ | **31** | 16.66 | 18.5 | **0.724** | **1.11** | 0.226 | **0.35** | 0.13 |
| 3 | C1 | Head | U-NII-2A | 58 | 5290.0 | 802.11ac80 | Right Cheek | 0mm | \ | \ | 16.66 | 18.5 | 0.523 | **0.80** | 0.210 | **0.32** | 0.02 |
| 3 | C1 | Head | U-NII-2A | 58 | 5290.0 | 802.11ac80 | Right Tilt | 0mm | \ | \ | 16.66 | 18.5 | 0.588 | **0.90** | 0.217 | **0.33** | -0.10 |
| 3 | C1 | Head | U-NII-2C | 122 | 5610.0 | 802.11ac80 | Left Cheek | 0mm | \ | \ | 15.24 | 17.0 | 0.419 | **0.63** | 0.158 | **0.24** | -0.12 |
| 3 | C1 | Head | U-NII-2C | 122 | 5610.0 | 802.11ac80 | Left Tilt | 0mm | \ | \ | 15.24 | 17.0 | 0.468 | **0.70** | 0.162 | **0.24** | -0.03 |
| 3 | C1 | Head | U-NII-2C | 122 | 5610.0 | 802.11ac80 | Right Cheek | 0mm | \ | \ | 15.24 | 17.0 | 0.264 | **0.40** | 0.107 | **0.16** | 0.04 |
| 3 | C1 | Head | U-NII-2C | 122 | 5610.0 | 802.11ac80 | Right Tilt | 0mm | \ | \ | 15.24 | 17.0 | 0.422 | **0.63** | 0.162 | **0.24** | -0.04 |
| 3 | C1 | Head | U-NII-3 | 155 | 5775.0 | 802.11ac80 | Left Cheek | 0mm | \ | \ | 15.27 | 17.0 | 0.384 | **0.57** | 0.147 | **0.22** | 0.18 |
| 3 | C1 | Head | U-NII-3 | 155 | 5775.0 | 802.11ac80 | Left Tilt | 0mm | \ | \ | 15.27 | 17.0 | 0.437 | **0.65** | 0.158 | **0.24** | -0.12 |
| 3 | C1 | Head | U-NII-3 | 155 | 5775.0 | 802.11ac80 | Right Cheek | 0mm | \ | \ | 15.27 | 17.0 | 0.383 | **0.57** | 0.111 | **0.17** | -0.18 |
| 3 | C1 | Head | U-NII-3 | 155 | 5775.0 | 802.11ac80 | Right Tilt | 0mm | \ | \ | 15.27 | 17.0 | 0.431 | **0.64** | 0.155 | **0.23** | -0.07 |
| | | | | | | | | | | | | | | | | | |
| 3 | C2 | Head | U-NII-2A | 58 | 5290.0 | 802.11ac80 | Left Cheek | 0mm | \ | \ | 13.10 | 15.0 | 0.275 | **0.43** | 0.108 | **0.17** | -0.03 |
| 3 | C2 | Head | U-NII-2A | 58 | 5290.0 | 802.11ac80 | Left Tilt | 0mm | \ | \ | 13.10 | 15.0 | 0.319 | **0.49** | 0.100 | **0.15** | -0.14 |
| 3 | C2 | Head | U-NII-2A | 58 | 5290.0 | 802.11ac80 | Right Cheek | 0mm | \ | \ | 13.10 | 15.0 | 0.230 | **0.36** | 0.093 | **0.14** | 0.05 |
| 3 | C2 | Head | U-NII-2A | 58 | 5290.0 | 802.11ac80 | Right Tilt | 0mm | \ | \ | 13.10 | 15.0 | 0.259 | **0.40** | 0.096 | **0.15** | 0.05 |
| 3 | C2 | Head | U-NII-2C | 122 | 5610.0 | 802.11ac80 | Left Cheek | 0mm | \ | \ | 12.66 | 14.5 | 0.231 | **0.35** | 0.087 | **0.13** | -0.14 |
| 3 | C2 | Head | U-NII-2C | 122 | 5610.0 | 802.11ac80 | Left Tilt | 0mm | \ | \ | 12.66 | 14.5 | 0.258 | **0.39** | 0.089 | **0.14** | 0.04 |
| 3 | C2 | Head | U-NII-2C | 122 | 5610.0 | 802.11ac80 | Right Cheek | 0mm | \ | \ | 12.66 | 14.5 | 0.146 | **0.22** | 0.059 | **0.09** | -0.09 |
| 3 | C2 | Head | U-NII-2C | 122 | 5610.0 | 802.11ac80 | Right Tilt | 0mm | \ | \ | 12.66 | 14.5 | 0.233 | **0.36** | 0.089 | **0.14** | 0.02 |
| 3 | C2 | Head | U-NII-3 | 155 | 5775.0 | 802.11ac80 | Left Cheek | 0mm | \ | \ | 12.72 | 14.5 | 0.214 | **0.32** | 0.082 | **0.12** | -0.12 |
| 3 | C2 | Head | U-NII-3 | 155 | 5775.0 | 802.11ac80 | Left Tilt | 0mm | \ | \ | 12.72 | 14.5 | 0.243 | **0.37** | 0.088 | **0.13** | -0.08 |
| 3 | C2 | Head | U-NII-3 | 155 | 5775.0 | 802.11ac80 | Right Cheek | 0mm | \ | \ | 12.72 | 14.5 | 0.213 | **0.32** | 0.062 | **0.09** | -0.08 |
| 3 | C2 | Head | U-NII-3 | 155 | 5775.0 | 802.11ac80 | Right Tilt | 0mm | \ | \ | 12.72 | 14.5 | 0.240 | **0.36** | 0.086 | **0.13** | 0.10 |
| | | | | | | | | | | | | | | | | | |
| 3 | D1 | Body | U-NII-1 | 46 | 5230.0 | 802.11n40 | Front | 10mm | \ | \ | 17.69 | 19.5 | 0.128 | **0.19** | 0.055 | **0.08** | -0.10 |
| 3 | D1 | Body | U-NII-1 | 46 | 5230.0 | 802.11n40 | Rear | 10mm | \ | \ | 17.69 | 19.5 | 0.305 | **0.46** | 0.126 | **0.19** | -0.18 |
| 3 | D1 | Body | U-NII-1 | 46 | 5230.0 | 802.11n40 | Left | 10mm | \ | \ | 17.69 | 19.5 | 0.098 | **0.15** | 0.043 | **0.07** | -0.08 |
| 3 | D1 | Body | U-NII-1 | 46 | 5230.0 | 802.11n40 | Right | 10mm | \ | \ | 17.69 | 19.5 | 0.243 | **0.37** | 0.095 | **0.14** | -0.12 |
| 3 | D1 | Body | U-NII-1 | 46 | 5230.0 | 802.11n40 | Top | 10mm | \ | \ | 17.69 | 19.5 | 0.337 | **0.51** | 0.134 | **0.20** | -0.01 |
| 3 | D1 | Body | U-NII-3 | 159 | 5795.0 | 802.11n40 | Front | 10mm | \ | \ | 17.72 | 19.5 | 0.193 | **0.29** | 0.080 | **0.12** | -0.05 |
| 3 | D1 | Body | U-NII-3 | 159 | 5795.0 | 802.11n40 | Rear | 10mm | \ | \ | 17.72 | 19.5 | 0.256 | **0.39** | 0.095 | **0.14** | 0.01 |
| 3 | D1 | Body | U-NII-3 | 159 | 5795.0 | 802.11n40 | Left | 10mm | \ | \ | 17.72 | 19.5 | 0.052 | **0.08** | 0.022 | **0.03** | -0.02 |
| 3 | D1 | Body | U-NII-3 | 159 | 5795.0 | 802.11n40 | Right | 10mm | \ | \ | 17.72 | 19.5 | 0.366 | **0.55** | 0.142 | **0.21** | 0.08 |
| 3 | D1 | Body | U-NII-3 | 159 | 5795.0 | 802.11n40 | Top | 10mm | \ | **32** | 17.72 | 19.5 | **0.463** | **0.70** | 0.157 | **0.24** | -0.08 |
| | | | | | | | | | | | | | | | | | |
| 3 | D2 | Body | U-NII-1 | 42 | 5210.0 | 802.11ac80 | Front | 10mm | \ | \ | 15.66 | 17.5 | 0.080 | **0.12** | 0.034 | **0.05** | 0.18 |
| 3 | D2 | Body | U-NII-1 | 42 | 5210.0 | 802.11ac80 | Rear | 10mm | \ | \ | 15.66 | 17.5 | 0.191 | **0.29** | 0.079 | **0.12** | 0.02 |
| 3 | D2 | Body | U-NII-1 | 42 | 5210.0 | 802.11ac80 | Left | 10mm | \ | \ | 15.66 | 17.5 | 0.061 | **0.09** | 0.027 | **0.04** | -0.12 |
| 3 | D2 | Body | U-NII-1 | 42 | 5210.0 | 802.11ac80 | Right | 10mm | \ | \ | 15.66 | 17.5 | 0.152 | **0.23** | 0.060 | **0.09** | 0.16 |
| 3 | D2 | Body | U-NII-1 | 42 | 5210.0 | 802.11ac80 | Top | 10mm | \ | \ | 15.66 | 17.5 | 0.226 | **0.35** | 0.083 | **0.13** | 0.08 |
| 3 | D2 | Body | U-NII-3 | 155 | 5775.0 | 802.11ac80 | Front | 10mm | \ | \ | 15.69 | 17.5 | 0.123 | **0.19** | 0.051 | **0.08** | 0.18 |
| 3 | D2 | Body | U-NII-3 | 155 | 5775.0 | 802.11ac80 | Rear | 10mm | \ | \ | 15.69 | 17.5 | 0.163 | **0.25** | 0.060 | **0.09** | 0.14 |
| 3 | D2 | Body | U-NII-3 | 155 | 5775.0 | 802.11ac80 | Left | 10mm | \ | \ | 15.69 | 17.5 | 0.033 | **0.05** | 0.014 | **0.02** | 0.18 |
| 3 | D2 | Body | U-NII-3 | 155 | 5775.0 | 802.11ac80 | Right | 10mm | \ | \ | 15.69 | 17.5 | 0.233 | **0.35** | 0.090 | **0.14** | -0.17 |
| 3 | D2 | Body | U-NII-3 | 155 | 5775.0 | 802.11ac80 | Top | 10mm | \ | \ | 15.69 | 17.5 | 0.295 | **0.45** | 0.100 | **0.15** | 0.00 |
| | | | | | | | | | | | | | | | | | |
| 3 | D1 | Body | U-NII-2A | 54 | 5270.0 | 802.11n40 | Front | 15mm | \ | \ | 17.65 | 19.5 | 0.074 | **0.11** | 0.032 | **0.05** | 0.00 |
| 3 | D1 | Body | U-NII-2A | 54 | 5270.0 | 802.11n40 | Rear | 15mm | \ | \ | 17.65 | 19.5 | 0.198 | **0.30** | 0.084 | **0.13** | 0.17 |
| 3 | D1 | Body | U-NII-2C | 134 | 5670.0 | 802.11n40 | Front | 15mm | \ | \ | 17.66 | 19.5 | 0.113 | **0.17** | 0.049 | **0.07** | 0.08 |
| 3 | D1 | Body | U-NII-2C | 134 | 5670.0 | 802.11n40 | Rear | 15mm | \ | \ | 17.66 | 19.5 | 0.147 | **0.22** | 0.061 | **0.09** | 0.08 |
| 3 | D1 | Body | U-NII-3 | 159 | 5795.0 | 802.11n40 | Front | 15mm | \ | \ | 17.72 | 19.5 | 0.124 | **0.19** | 0.052 | **0.08** | 0.09 |
| 3 | D1 | Body | U-NII-3 | 159 | 5795.0 | 802.11n40 | Rear | 15mm | \ | \ | 17.72 | 19.5 | 0.160 | **0.24** | 0.061 | **0.09** | 0.03 |
| | | | | | | | | | | | | | | | | | |
| 3 | D2 | Body | U-NII-2A | 58 | 5290.0 | 802.11ac80 | Front | 15mm | \ | \ | 15.65 | 17.5 | 0.048 | **0.07** | 0.021 | **0.03** | 0.02 |
| 3 | D2 | Body | U-NII-2A | 58 | 5290.0 | 802.11ac80 | Rear | 15mm | \ | \ | 15.65 | 17.5 | 0.129 | **0.20** | 0.054 | **0.08** | 0.14 |
| 3 | D2 | Body | U-NII-2C | 122 | 5610.0 | 802.11ac80 | Front | 15mm | \ | \ | 15.63 | 17.5 | 0.071 | **0.11** | 0.031 | **0.05** | -0.11 |
| 3 | D2 | Body | U-NII-2C | 122 | 5610.0 | 802.11ac80 | Rear | 15mm | \ | \ | 15.63 | 17.5 | 0.092 | **0.14** | 0.038 | **0.06** | -0.05 |
| 3 | D2 | Body | U-NII-3 | 159 | 5795.0 | 802.11ac80 | Front | 15mm | \ | \ | 15.69 | 17.5 | 0.068 | **0.10** | 0.033 | **0.05** | 0.15 |
| 3 | D2 | Body | U-NII-3 | 159 | 5795.0 | 802.11ac80 | Rear | 15mm | \ | \ | 15.69 | 17.5 | 0.095 | **0.14** | 0.039 | **0.06** | 0.11 |

**Note:**

1. U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.

2. For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

**WLAN 5GHzSAR Values - (Scaled Reported SAR)**

| Frequency | | Test Position | | Actual duty factor | Maximum duty factor | Reported SAR (1g)(W/kg) | Scaled reported SAR (1g)(W/kg) |
|---|---|---|---|---|---|---|---|
| Ch. | MHz | | | | | | |
| 58 | 5290.0 | Head | Left Tilt | 100% | 100% | 1.11 | **1.11** |
| 159 | 5795.0 | Body | Top | 100% | 100% | 0.70 | **0.70** |

## 13.5. Product specific 10g SAR

**Table 13.17: WLAN 5GHz SAR Values (Extremity)**

| ANT | Power Level | RF Exposure Conditions | Frequency Band | Channel Number | Frequency (MHz) | Mode/RB | Test Position | Distance | Note | Figure No. | EUT Measured Power (dBm) | Tune up (dBm) | Measured SAR 1g (W/kg) | Calculated SAR 1g (W/kg) | Measured SAR 10g (W/kg) | Calculated SAR 10g (W/kg) | Power Drift |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | D1 | Extremity | U-NII-2A | 54 | 5270.0 | 802.11n40 | Front | 0mm | \ | \ | 17.65 | 19.5 | 1.440 | **2.20** | 0.534 | **0.82** | 0.06 |
| 3 | D1 | Extremity | U-NII-2A | 54 | 5270.0 | 802.11n40 | Rear | 0mm | \ | \ | 17.65 | 19.5 | 1.580 | **2.42** | 0.612 | **0.94** | 0.16 |
| 3 | D1 | Extremity | U-NII-2A | 54 | 5270.0 | 802.11n40 | Left | 0mm | \ | \ | 17.65 | 19.5 | 0.277 | **0.42** | 0.098 | **0.15** | 0.14 |
| 3 | D1 | Extremity | U-NII-2A | 54 | 5270.0 | 802.11n40 | Right | 0mm | \ | \ | 17.65 | 19.5 | 1.960 | **3.00** | 0.621 | **0.95** | -0.08 |
| 3 | D1 | Extremity | U-NII-2A | 54 | 5270.0 | 802.11n40 | Top | 0mm | \ | \ | 17.65 | 19.5 | 3.880 | **5.94** | 0.849 | **1.30** | 0.15 |
| 3 | D1 | Extremity | U-NII-2C | 134 | 5670.0 | 802.11n40 | Front | 0mm | \ | \ | 17.66 | 19.5 | 1.500 | **2.29** | 0.495 | **0.76** | 0.18 |
| 3 | D1 | Extremity | U-NII-2C | 134 | 5670.0 | 802.11n40 | Rear | 0mm | \ | \ | 17.66 | 19.5 | 1.490 | **2.28** | 0.570 | **0.87** | 0.03 |
| 3 | D1 | Extremity | U-NII-2C | 134 | 5670.0 | 802.11n40 | Left | 0mm | \ | \ | 17.66 | 19.5 | 0.348 | **0.53** | 0.121 | **0.18** | 0.15 |
| 3 | D1 | Extremity | U-NII-2C | 134 | 5670.0 | 802.11n40 | Right | 0mm | \ | \ | 17.66 | 19.5 | 1.570 | **2.40** | 0.506 | **0.77** | -0.03 |
| 3 | D1 | Extremity | U-NII-2C | 134 | 5670.0 | 802.11n40 | Top | 0mm | \ | **33** | 17.66 | 19.5 | 4.290 | **6.55** | **0.887** | 1.35 | 0.16 |

## 14. SAR Measurement Variability

SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium.

The following procedures are applied to determine if repeated measurements are required.

1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.

2) When the original highest measured SAR is ≥ 0.80 W/kg, 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 ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).

4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

**Table 14.1: SAR Measurement Variability for Head - WCDMA Band 2 (Ant.1)**

| Frequency | | Test Position | Original | 1st Repeated | Ratio | 2nd Repeated |
|---|---|---|---|---|---|---|
| Ch. | MHz | | SAR (W/kg) | SAR (W/kg) | | SAR (W/kg) |
| 9538 | 1907.6 | Right Tilt | 0.836 | 0.822 | 1.02 | / |

**Table 14.2: SAR Measurement Variability for Head - LTE Band 7 (Ant.1)**

| Frequency | | Test Position | Original | 1st Repeated | Ratio | 2nd Repeated |
|---|---|---|---|---|---|---|
| Ch. | MHz | | SAR (W/kg) | SAR (W/kg) | | SAR (W/kg) |
| 21350 | 2560.0 | Right Tilt | 0.803 | 0.801 | 1.00 | / |

**Table 14.3: SAR Measurement Variability for Body - LTE Band 7 (Ant.1)**

| Frequency | | Test Position | Original | 1st Repeated | Ratio | 2nd Repeated |
|---|---|---|---|---|---|---|
| Ch. | MHz | | SAR (W/kg) | SAR (W/kg) | | SAR (W/kg) |
| 20850 | 2510.0 | Top | 0.845 | 0.839 | 1.01 | / |

**Table 14.3: SAR Measurement Variability for Head - LTE Band 66 (Ant.1)**

| Frequency | | Test Position | Original | 1st Repeated | Ratio | 2nd Repeated |
|---|---|---|---|---|---|---|
| Ch. | MHz | | SAR (W/kg) | SAR (W/kg) | | SAR (W/kg) |
| 132572 | 1770.0 | Right Tilt | 1.000 | 0.993 | 1.01 | / |

# 15. Measurement Uncertainty

## 15.1. Measurement Uncertainty for Normal SAR Tests (300MHz~3GHz)

| No. | Error Description | Type | Uncertainty value | Probably Distribution | Div. | (Ci) 1g | (Ci) 10g | Std. Unc. (1g) | Std. Unc. (10g) | Degree of freedom |
|---|---|---|---|---|---|---|---|---|---|---|
| **Measurement system** | | | | | | | | | | |
| 1 | Probe calibration | B | 12.7 | N | 2 | 1 | 1 | 6.35 | 6.35 | ∞ |
| 2 | Axial isotropy | B | 4.7 | R | $\sqrt{3}$ | $\sqrt{5}$ | $\sqrt{5}$ | 4.3 | 4.3 | ∞ |
| 3 | Hemispherical isotropy | B | 9.6 | R | $\sqrt{3}$ | 1 | 1 | 4.8 | 4.8 | ∞ |
| 4 | Boundary effect | B | 1.1 | R | $\sqrt{3}$ | 1 | 1 | 0.6 | 0.6 | ∞ |
| 5 | Linearity | B | 4.7 | R | $\sqrt{3}$ | 1 | 1 | 2.7 | 2.7 | ∞ |
| 6 | Detection limit | B | 1.0 | R | $\sqrt{3}$ | 1 | 1 | 0.6 | 0.6 | ∞ |
| 7 | Modulation response | B | 4.0 | R | $\sqrt{3}$ | 1 | 1 | 2.3 | 2.3 | ∞ |
| 8 | Readout electronics | B | 1.0 | N | 1 | 1 | 1 | 1.0 | 1.0 | ∞ |
| 9 | Response time | B | 0.8 | R | $\sqrt{3}$ | 1 | 1 | 0.5 | 0.5 | ∞ |
| 10 | Integration time | B | 1.7 | R | $\sqrt{3}$ | 1 | 1 | 1.0 | 1.0 | ∞ |
| 11 | RF ambient conditions-noise | B | 3.0 | R | $\sqrt{3}$ | 1 | 1 | 1.7 | 1.7 | ∞ |
| 12 | RF ambient conditions-reflection | B | 3.0 | R | $\sqrt{3}$ | 1 | 1 | 1.7 | 1.7 | ∞ |
| 13 | Probe positioned mech. restrictions | B | 0.35 | R | $\sqrt{3}$ | 1 | 1 | 0.2 | 0.2 | ∞ |
| 14 | Probe positioning with respect to phantom shell | B | 2.9 | R | $\sqrt{3}$ | 1 | 1 | 1.7 | 1.7 | ∞ |
| 15 | Post-processing | B | 1.0 | R | $\sqrt{3}$ | 1 | 1 | 0.6 | 0.6 | ∞ |
| **Test sample related** | | | | | | | | | | |
| 16 | Test sample positioning | A | 3.3 | N | 1 | 1 | 1 | 3.3 | 3.3 | 5 |
| 17 | Device holder uncertainty | A | 3.4 | N | 1 | 1 | 1 | 3.4 | 3.4 | 5 |
| 18 | Drift of output power | B | 5.0 | R | $\sqrt{3}$ | 1 | 1 | 2.9 | 2.9 | ∞ |
| **Phantom and set-up** | | | | | | | | | | |
| 19 | Phantom uncertainty | B | 1.0 | R | $\sqrt{3}$ | 1 | 1 | 0.6 | 0.6 | ∞ |
| 20 | Liquid conductivity (target) | B | 5.0 | R | $\sqrt{3}$ | 0.64 | 0.43 | 1.8 | 1.2 | ∞ |
| 21 | Liquid conductivity (meas.) | A | 1.3 | N | 1 | 0.64 | 0.43 | 0.83 | 0.56 | 9 |
| 22 | Liquid permittivity (target) | B | 5.0 | R | $\sqrt{3}$ | 0.6 | 0.49 | 1.7 | 1.4 | ∞ |
| 23 | Liquid permittivity (meas.) | A | 1.6 | N | 1 | 0.6 | 0.49 | 0.96 | 0.78 | 9 |
| Combined standard uncertainty | | $u_c^{'} = \sqrt{\sum_{i=1}^{23} c_i^2 u_i^2}$ | | | | | | 11.5 | 11.4 | 95.5 |
| Expanded uncertainty (Confidence interval of 95 %) | | $u_e = 2u_c$ | | | | | | 23.0 | 22.8 | |

## 15.2. Measurement Uncertainty for Normal SAR Tests (3GHz~6GHz)

| No. | Error Description | Type | Uncertainty value | Probably Distribution | Div. | (Ci) 1g | (Ci) 10g | Std. Unc. (1g) | Std. Unc. (10g) | Degree of freedom |
|---|---|---|---|---|---|---|---|---|---|---|
| **Measurement system** | | | | | | | | | | |
| 1 | Probe calibration | B | 13.9 | N | 2 | 1 | 1 | 6.95 | 6.95 | ∞ |
| 2 | Axial isotropy | B | 4.7 | R | $\sqrt{3}$ | $\sqrt{5}$ | $\sqrt{5}$ | 4.3 | 4.3 | ∞ |
| 3 | Hemispherical isotropy | B | 9.6 | R | $\sqrt{3}$ | 1 | 1 | 4.8 | 4.8 | ∞ |
| 4 | Boundary effect | B | 1.1 | R | $\sqrt{3}$ | 1 | 1 | 0.6 | 0.6 | ∞ |
| 5 | Linearity | B | 4.7 | R | $\sqrt{3}$ | 1 | 1 | 2.7 | 2.7 | ∞ |
| 6 | Detection limit | B | 1.0 | R | $\sqrt{3}$ | 1 | 1 | 0.6 | 0.6 | ∞ |
| 7 | modulation response | B | 4.0 | R | $\sqrt{3}$ | 1 | 1 | 2.3 | 2.3 | ∞ |
| 8 | Readout electronics | B | 1.0 | N | 1 | 1 | 1 | 1.0 | 1.0 | ∞ |
| 9 | Response time | B | 0.0 | R | $\sqrt{3}$ | 1 | 1 | 0.0 | 0.0 | ∞ |
| 10 | Integration time | B | 1.7 | R | $\sqrt{3}$ | 1 | 1 | 1.0 | 1.0 | ∞ |
| 11 | RF ambient conditions-noise | B | 3.0 | R | $\sqrt{3}$ | 1 | 1 | 1.7 | 1.7 | ∞ |
| 12 | RF ambient conditions-reflection | B | 3.0 | R | $\sqrt{3}$ | 1 | 1 | 1.7 | 1.7 | ∞ |
| 13 | Probe positioned mech. Restrictions | B | 0.35 | R | $\sqrt{3}$ | 1 | 1 | 0.2 | 0.2 | ∞ |
| 14 | Probe positioning with respect to phantom shell | B | 2.9 | R | $\sqrt{3}$ | 1 | 1 | 1.7 | 1.7 | ∞ |
| 15 | Post-processing | B | 1.0 | R | $\sqrt{3}$ | 1 | 1 | 0.6 | 0.6 | ∞ |
| **Test sample related** | | | | | | | | | | |
| 16 | Test sample positioning | A | 3.3 | N | 1 | 1 | 1 | 3.3 | 3.3 | 5 |
| 17 | Device holder uncertainty | A | 3.4 | N | 1 | 1 | 1 | 3.4 | 3.4 | 5 |
| 18 | Drift of output power | B | 5.0 | R | $\sqrt{3}$ | 1 | 1 | 2.9 | 2.9 | ∞ |
| **Phantom and set-up** | | | | | | | | | | |
| 19 | Phantom uncertainty | B | 1.0 | R | $\sqrt{3}$ | 1 | 1 | 0.6 | 0.6 | ∞ |
| 20 | Liquid conductivity (target) | B | 5.0 | R | $\sqrt{3}$ | 0.64 | 0.43 | 1.8 | 1.2 | ∞ |
| 21 | Liquid conductivity (meas.) | A | 1.3 | N | 1 | 0.64 | 0.43 | 0.83 | 0.56 | 43 |
| 22 | Liquid permittivity (target) | B | 5.0 | R | $\sqrt{3}$ | 0.6 | 0.49 | 1.7 | 1.4 | ∞ |
| 23 | Liquid permittivity (meas.) | A | 1.6 | N | 1 | 0.6 | 0.49 | 0.96 | 0.78 | 521 |
| Combined standard uncertainty | | $u_c^{'} = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$ | | | | | | 11.8 | 11.7 | 257 |
| Expanded uncertainty (Confidence interval of 95 %) | | $u_e = 2u_c$ | | | | | | 23.6 | 23.4 | |

# 16. Main Test Instruments

**Table 16.1: List of Main Instruments**

| No. | Name | Type | Serial Number | Calibration Date | Valid Period |
|---|---|---|---|---|---|
| 01 | Network analyzer | E5071C | MY46103759 | 2022-11-14 | One year |
| 02 | Dielectric probe | 85070E | MY44300317 | / | / |
| 03 | Power meter | E4418B | MY50000366 | 2022-12-11 | One year |
| 04 | Power sensor | E9304A | MY50000188 | 2022-12-11 | One year |
| 05 | Power meter | NRP | 102603 | 2022-12-29 | One year |
| 06 | Power sensor | NRP-Z51 | 102211 | 2022-12-29 | One year |
| 07 | Signal Generator | E8257D | MY47461211 | 2023-01-13 | One year |
| 08 | Amplifier | VTL5400 | 0404 | / | / |
| 09 | E-field Probe | EX3DV4 | 7683 | 2023-02-16 | One year |
| 10 | DAE | DAE4 | 786 | 2022-09-29 | One year |
| 11 | Dipole Validation Kit | D750V3 | 1163 | 2022-08-22 | Three years |
| 12 | Dipole Validation Kit | D835V2 | 4d057 | 2021-10-18 | Three years |
| 13 | Dipole Validation Kit | D1750V2 | 1152 | 2022-08-22 | Three years |
| 14 | Dipole Validation Kit | D1900V2 | 5d088 | 2021-10-18 | Three years |
| 15 | Dipole Validation Kit | D2450V2 | 873 | 2021-10-21 | Three years |
| 16 | Dipole Validation Kit | D2550V2 | 1010 | 2021-05-21 | Three years |
| 17 | Dipole Validation Kit | D5GHzV2 | 1238 | 2022-08-17 | Three years |
| 18 | BTS | E5515C | GB46110722 | 2023-01-13 | One year |
| 19 | BTS | MT8820C | 6201341853 | 2023-03-23 | One year |
| 20 | BTS | CMW500 | 152499 | 2022-07-15 | One year |
| 21 | Thermometer | 51II | 99250045 | 2022-11-23 | One year |
| 22 | Software | DASY5 | / | / | / |

# ANNEX A: Graph Results

**GSM850 Head**

Date: 2023-5-8

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated): f = 836.6 MHz; $\sigma$ = 0.91 S/m; $\varepsilon_r$ = 40.554; $\rho$ = 1000 kg/m$^3$

Communication System: UID 0, GSM (0) Frequency: 836.6 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

**Right Cheek Middle/Area Scan (81x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.823 W/kg

**Right Cheek Middle/Zoom Scan (6x6x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.62 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.438 W/kg; SAR(10 g) = 0.272 W/kg**

Maximum value of SAR (measured) = 0.724 W/kg

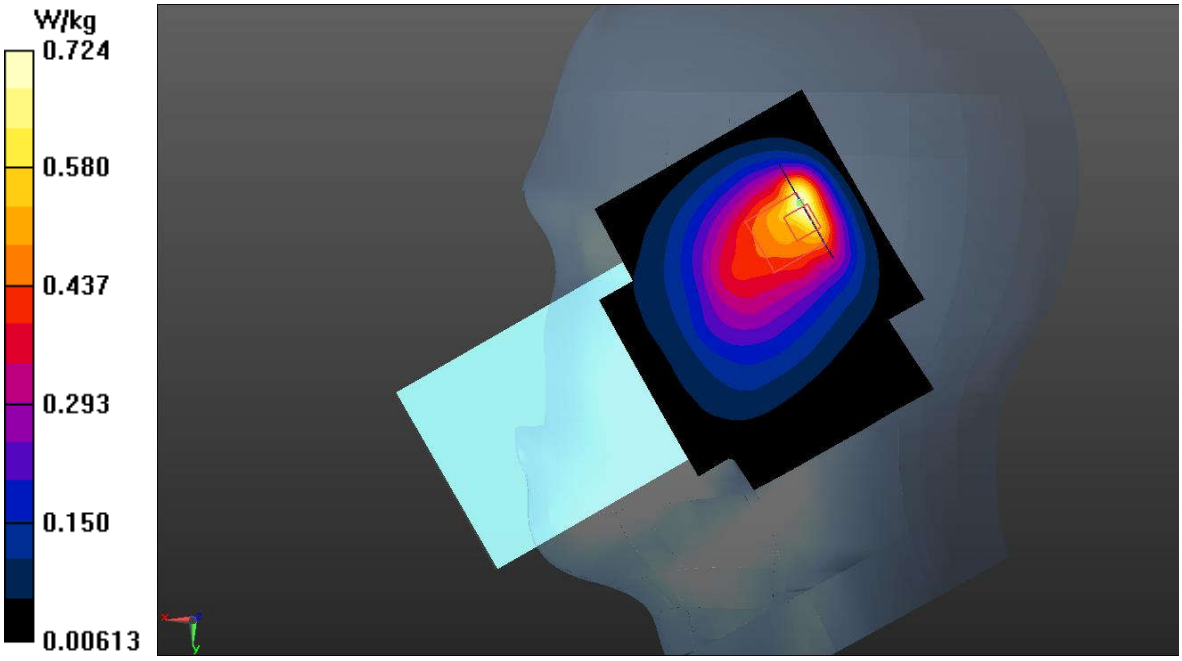



**Fig.1 GSM850 Head**

**GSM850 Body**
Date: 2023-5-8
Electronics: DAE4 Sn786
Medium: Head 835MHz
Medium parameters used (interpolated): f = 836.6 MHz; $\sigma$ = 0.91 S/m; $\varepsilon_r$ = 40.554; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, 4 slot GPRS (0) Frequency: 836.6 MHz Duty Cycle: 1:2
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

**Left Side Middle/Area Scan (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.319 W/kg

**Left Side Middle/Zoom Scan (6x6x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.51 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.439 W/kg
**SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.108 W/kg**
Maximum value of SAR (measured) = 0.332 W/kg

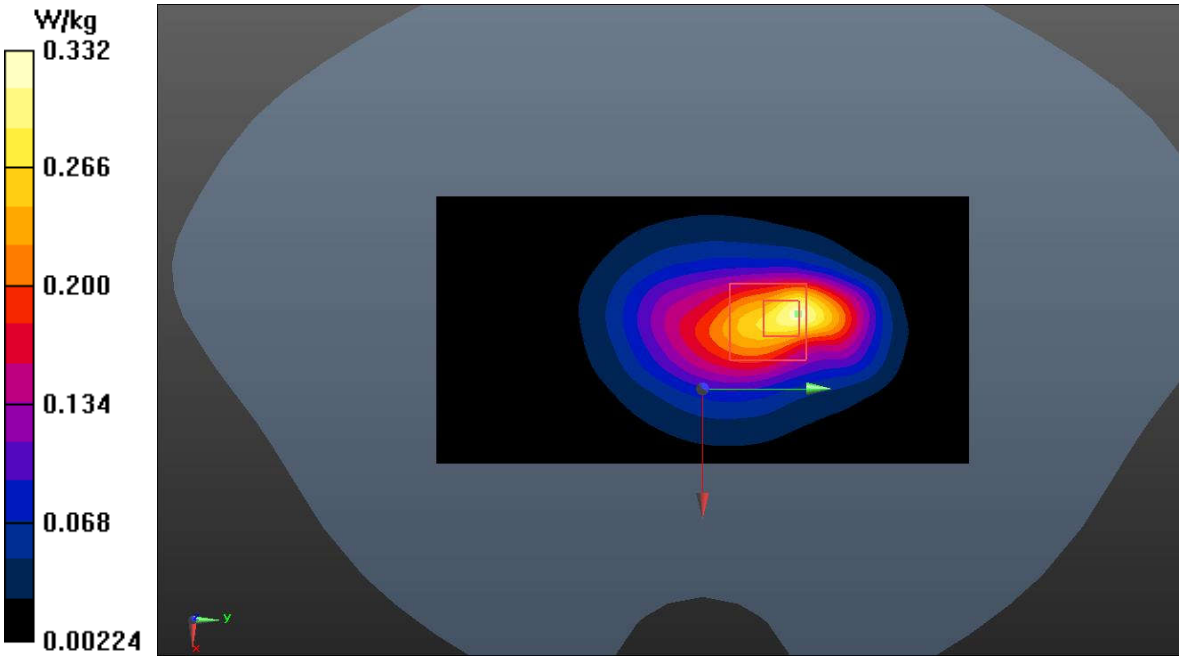



**Fig.2 GSM850 Body**

**GSM1900 Head**
Date: 2023-5-20
Electronics: DAE4 Sn786
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.407 S/m; $\varepsilon_r$ = 39.311; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, GSM (0) Frequency: 1880 MHz Duty Cycle: 1:8.3
Probe: EX3DV4 - SN7683 ConvF (8.55, 8.55, 8.55)

**Right Tilt Middle/Area Scan (81x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.592 W/kg

**Right Tilt Middle/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.57 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.762 W/kg
**SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.151 W/kg**
Maximum value of SAR (measured) = 0.602 W/kg

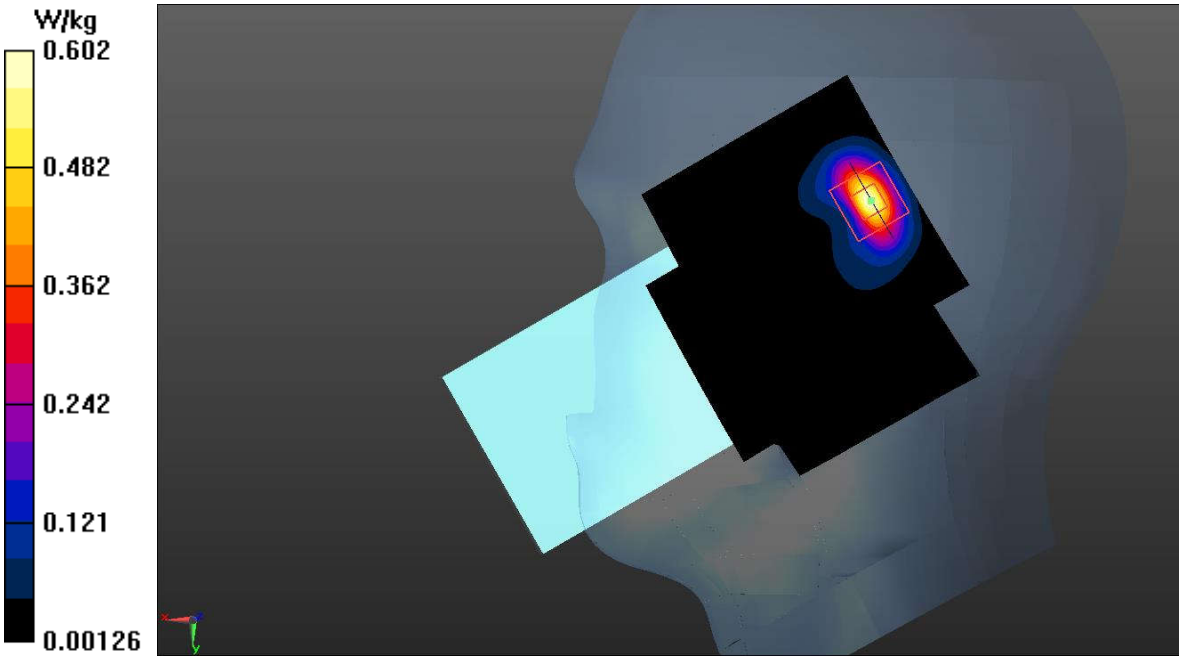



**Fig.3 GSM1900 Head**

**GSM1900 Body**
Date: 2023-5-20
Electronics: DAE4 Sn786
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.407 S/m; $\varepsilon_r$ = 39.311; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, 2 slot GPRS (0) Frequency: 1880 MHz Duty Cycle: 1:4
Probe: EX3DV4 - SN7683 ConvF (8.55, 8.55, 8.55)

**Top Side Middle/Area Scan (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.691 W/kg

**Top Side Middle/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.91 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.823 W/kg
**SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.266 W/kg**
Maximum value of SAR (measured) = 0.646 W/kg

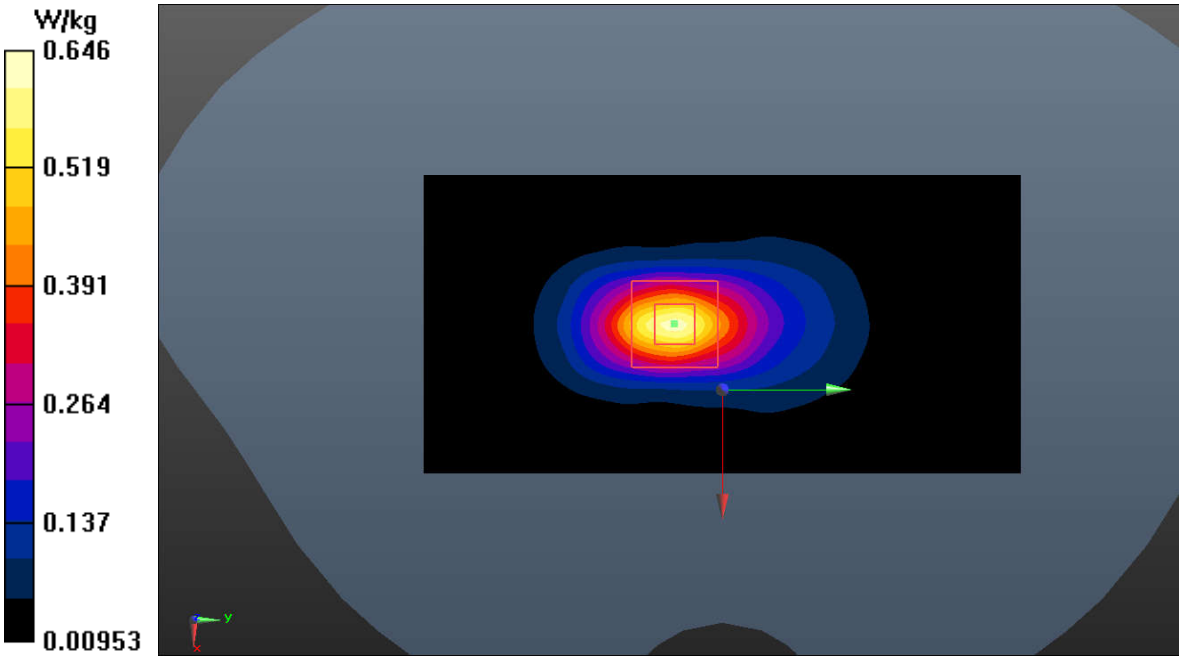



**Fig.4 GSM1900 Body**

**WCDMA Band 2 Head**
Date: 2023-5-20
Electronics: DAE4 Sn786
Medium: Head 1900MHz
Medium parameters used: f = 1908 MHz; $\sigma$ = 1.432 S/m; $\varepsilon_r$ = 39.202; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, WCDMA (0) Frequency: 1907.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.55, 8.55, 8.55)

**Right Tilt High/Area Scan (81x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.47 W/kg

**Right Tilt High/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.57 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.86 W/kg
**SAR(1 g) = 0.836 W/kg; SAR(10 g) = 0.368 W/kg**
Maximum value of SAR (measured) = 1.48 W/kg

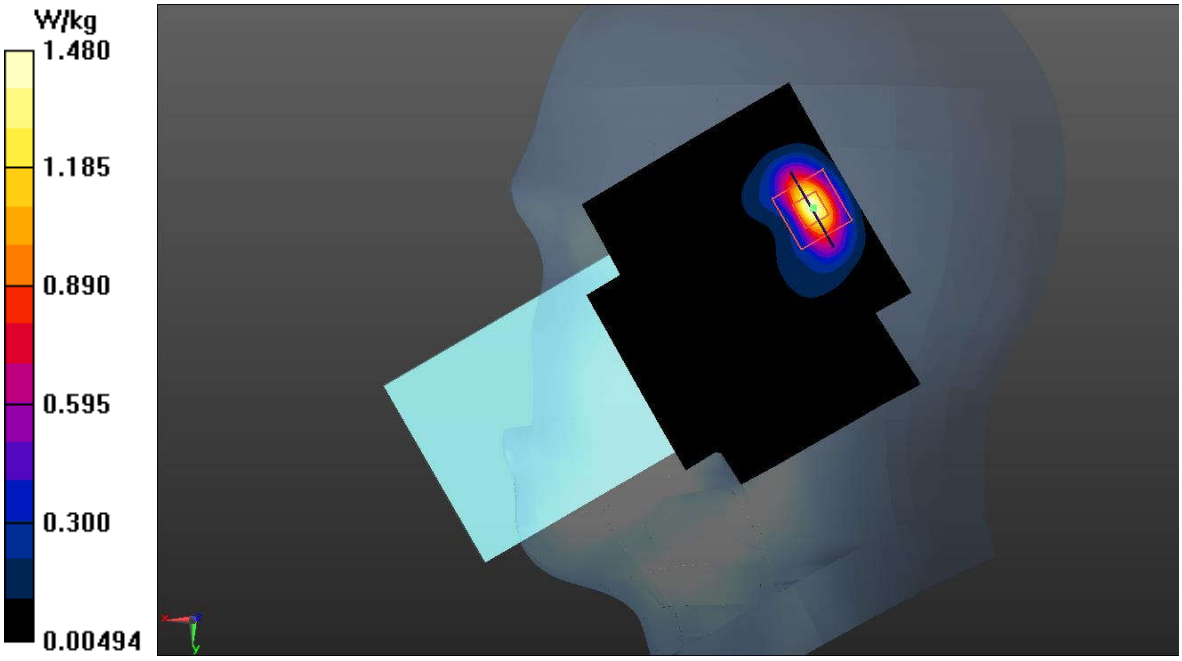



**Fig.5 WCDMA Band 2 Head**

**WCDMA Band 2 Body**
Date: 2023-5-20
Electronics: DAE4 Sn786
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.407 S/m; $\varepsilon_r$ = 39.311; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, WCDMA (0) Frequency: 1880 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.55, 8.55, 8.55)

**Bottom Side Middle/Area Scan (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.883 W/kg

**Bottom Side Middle/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.99 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.01 W/kg
**SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.315 W/kg**
Maximum value of SAR (measured) = 0.843 W/kg

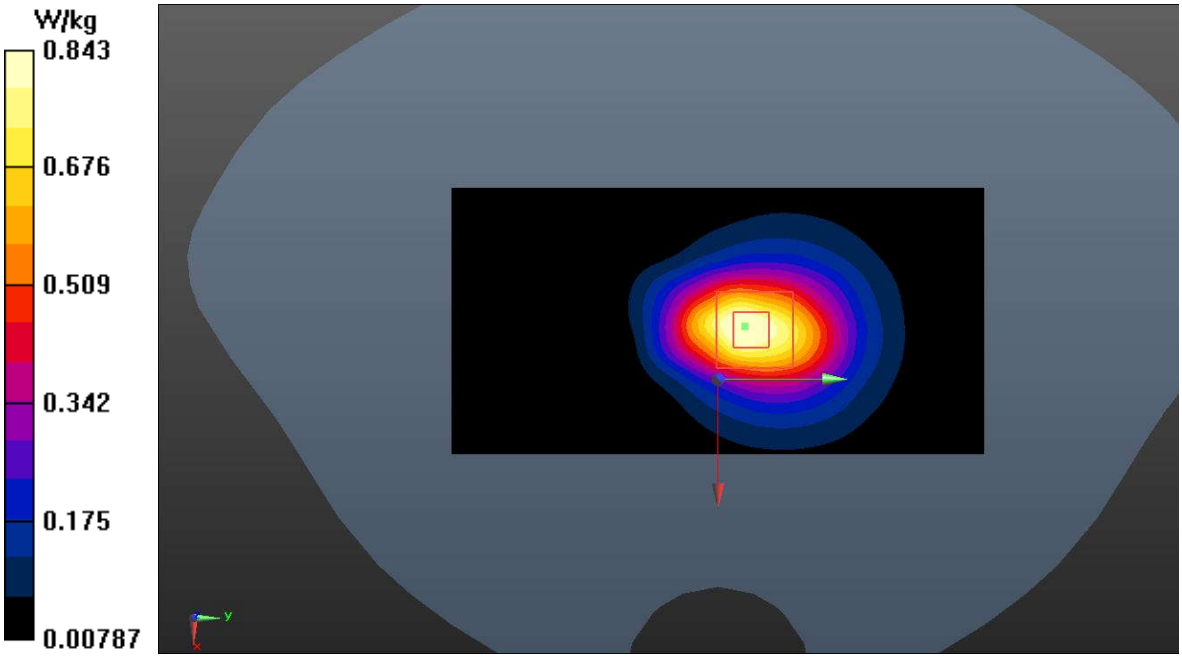



**Fig.6 WCDMA Band 2 Body**

**WCDMA Band 4 Head**
Date: 2023-5-18
Electronics: DAE4 Sn786
Medium: Head 1750MHz
Medium parameters used (interpolated): f = 1732.6 MHz; $\sigma$ = 1.373 S/m; $\varepsilon_r$ = 39.532; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, WCDMA (0) Frequency: 1732.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.81, 8.81, 8.81)

**Right Tilt Middle/Area Scan (81x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.980 W/kg

**Right Tilt Middle/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.09 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.29 W/kg
**SAR(1 g) = 0.564 W/kg; SAR(10 g) = 0.253 W/kg**
Maximum value of SAR (measured) = 1.03 W/kg

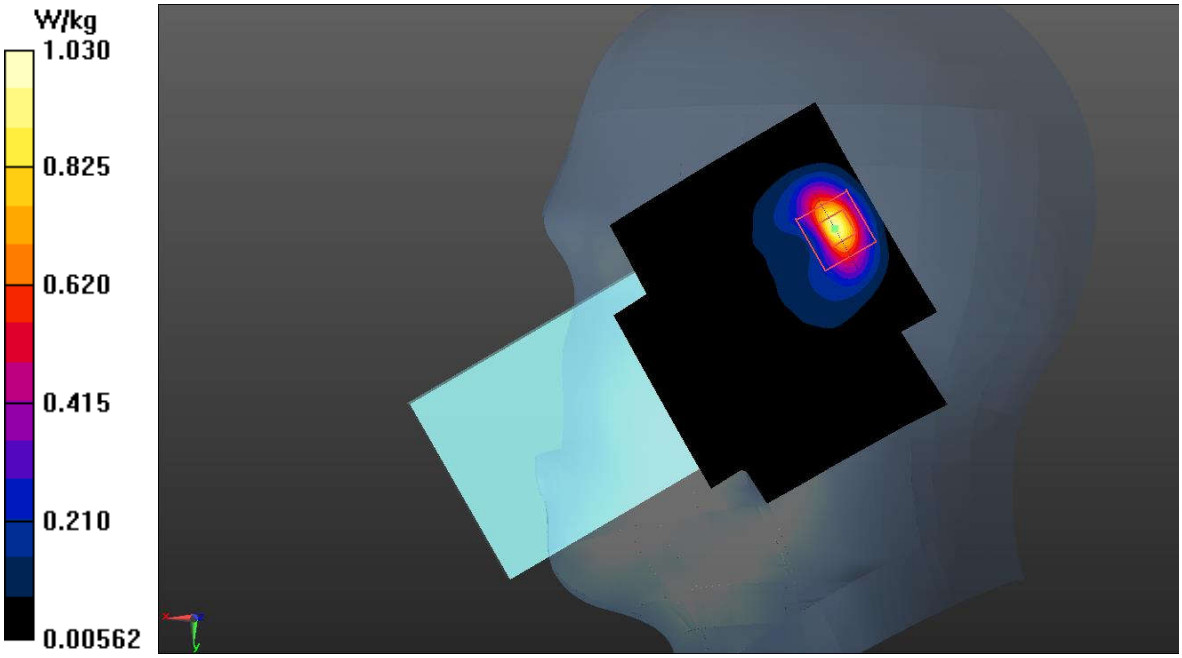



**Fig.7 WCDMA Band 4 Head**

**WCDMA Band 4 Body**
Date: 2023-5-18
Electronics: DAE4 Sn786
Medium: Head 1750MHz
Medium parameters used (interpolated): f = 1732.6 MHz; $\sigma$ = 1.373 S/m; $\varepsilon_r$ = 39.532; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, WCDMA (0) Frequency: 1732.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.81, 8.81, 8.81)

**Bottom Side Middle/Area Scan (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.709 W/kg

**Bottom Side Middle/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.60 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.804 W/kg
**SAR(1 g) = 0.449 W/kg; SAR(10 g) = 0.250 W/kg**
Maximum value of SAR (measured) = 0.670 W/kg

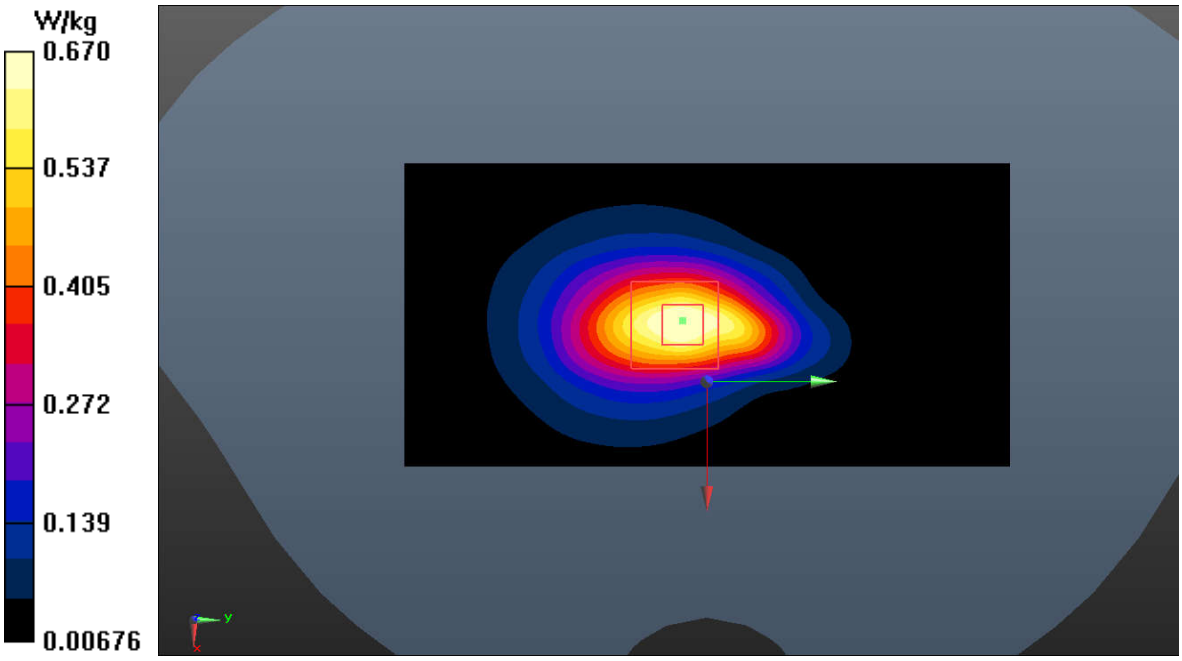



**Fig.8 WCDMA Band 4 Body**

**WCDMA Band 5 Head**
Date: 2023-5-8
Electronics: DAE4 Sn786
Medium: Head 835MHz
Medium parameters used (interpolated): f = 836.6 MHz; $\sigma$ = 0.91 S/m; $\varepsilon_r$ = 40.554; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, WCDMA (0) Frequency: 836.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

**Right Cheek Midle/Area Scan (81x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.672 W/kg

**Right Cheek Midle/Zoom Scan (6x6x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.39 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.01 W/kg
**SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.266 W/kg**
Maximum value of SAR (measured) = 0.708 W/kg

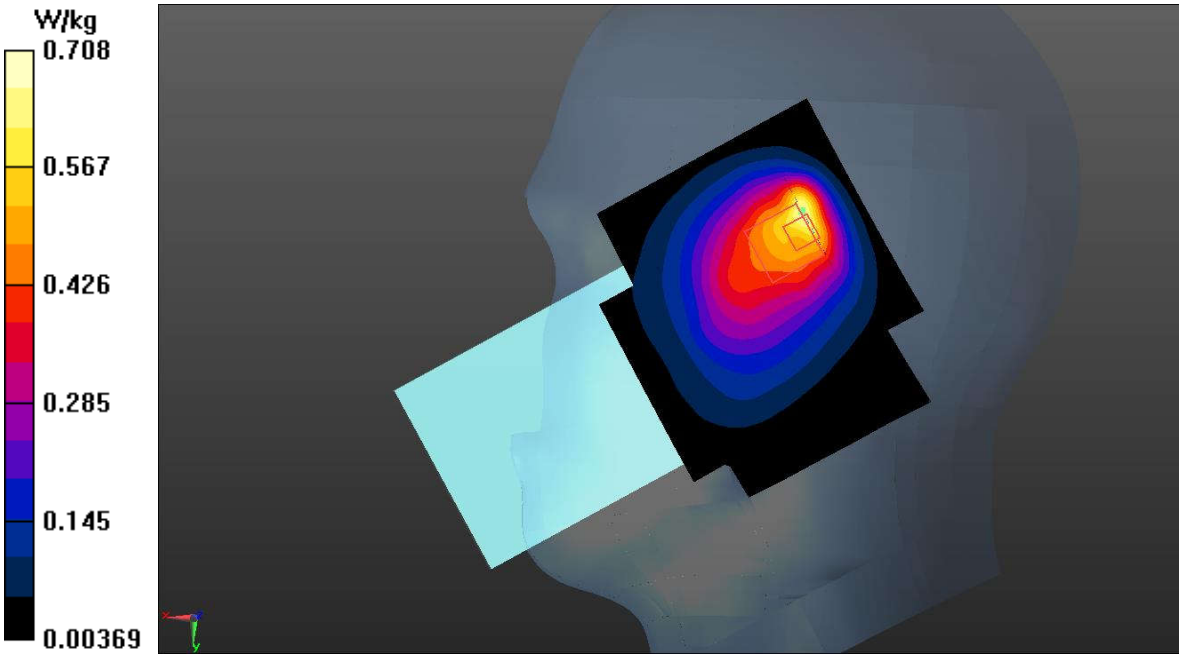



**Fig.9 WCDMA Band 5 Head**

**WCDMA Band 5 Body**
Date: 2023-5-8
Electronics: DAE4 Sn786
Medium: Head 835MHz
Medium parameters used (interpolated): f = 836.6 MHz; $\sigma$ = 0.91 S/m; $\varepsilon_r$ = 40.554; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, WCDMA (0) Frequency: 836.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

**Rear Side Middle/Area Scan (81x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.377 W/kg

**Rear Side Middle/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.81 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.543 W/kg
**SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.129 W/kg**
Maximum value of SAR (measured) = 0.393 W/kg

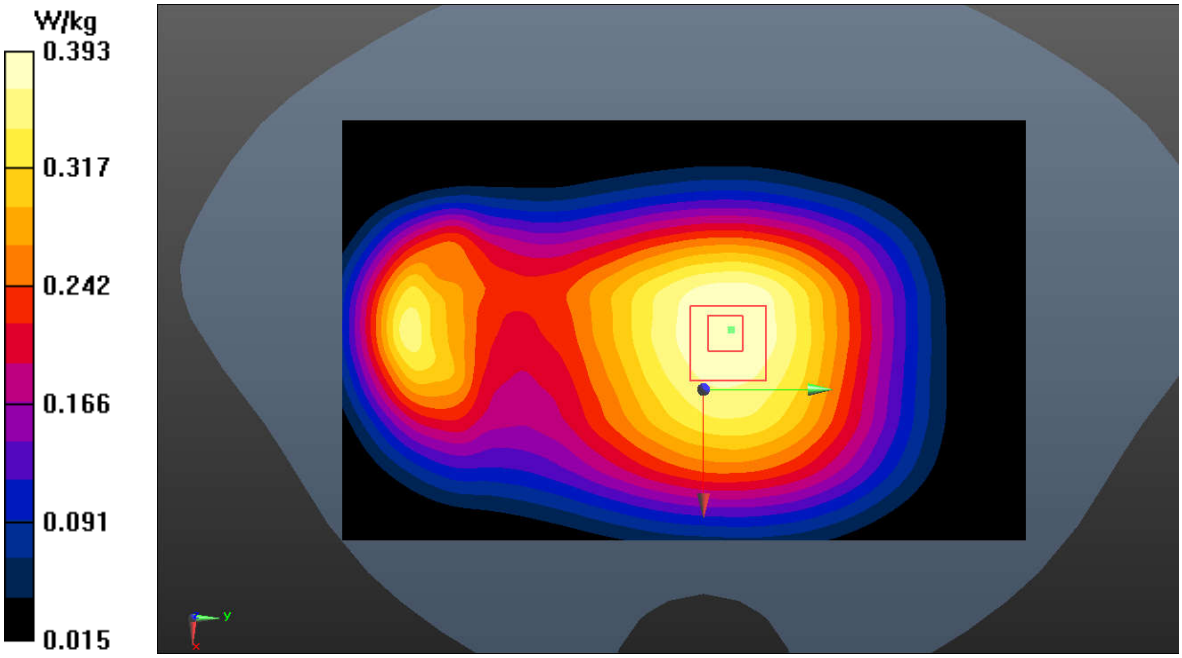



**Fig.10 WCDMA Band 5 Body**

**LTE Band 2 Head**
Date: 2023-5-28
Electronics: DAE4 Sn786
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.396 S/m; $\varepsilon_r$ = 39.556; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_FDD (0) Frequency: 1880 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.55, 8.55, 8.55)

**Right Tilt Middle 50RB25/Area Scan (81x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

**Right Tilt Middle 50RB25/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.10 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.53 W/kg
**SAR(1 g) = 0.660 W/kg; SAR(10 g) = 0.286 W/kg**
Maximum value of SAR (measured) = 1.22 W/kg

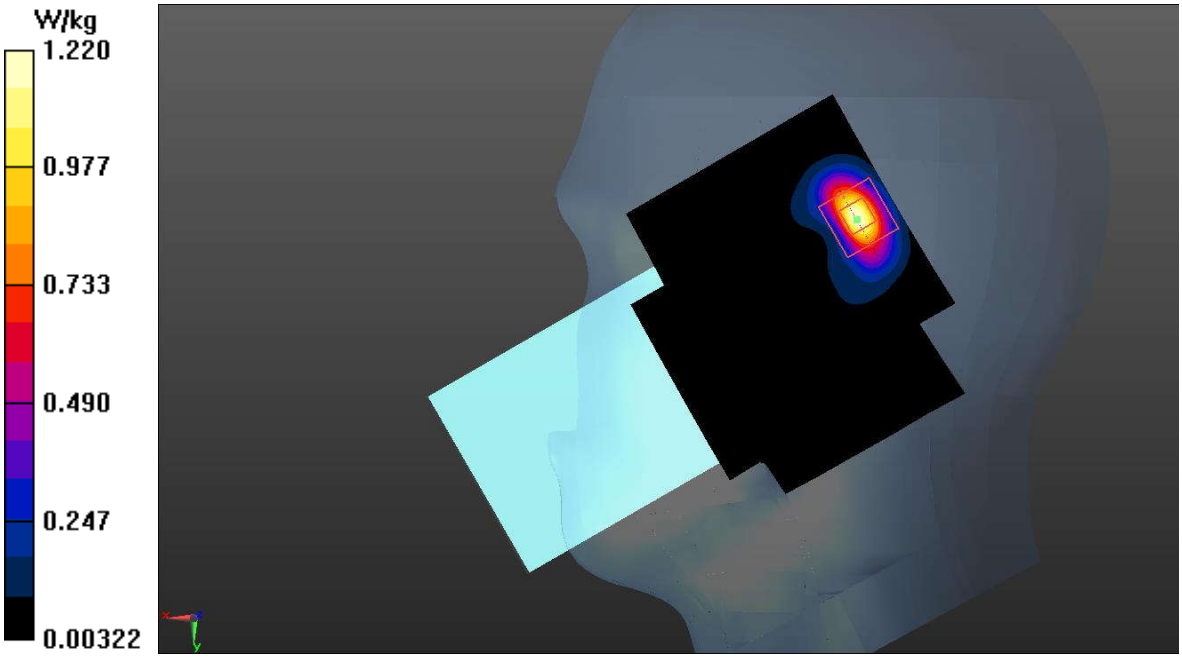



**Fig.11 LTE Band 2 Head**

**LTE Band 2 Body**
Date: 2023-5-28
Electronics: DAE4 Sn786
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.396 S/m; $\varepsilon_r$ = 39.556; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_FDD (0) Frequency: 1880 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.55, 8.55, 8.55)

**Bottom Side Middle 50RB50/Area Scan (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.06 W/kg

**Bottom Side Middle 50RB50/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.54 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.25 W/kg
**SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.389 W/kg**
Maximum value of SAR (measured) = 1.03 W/kg

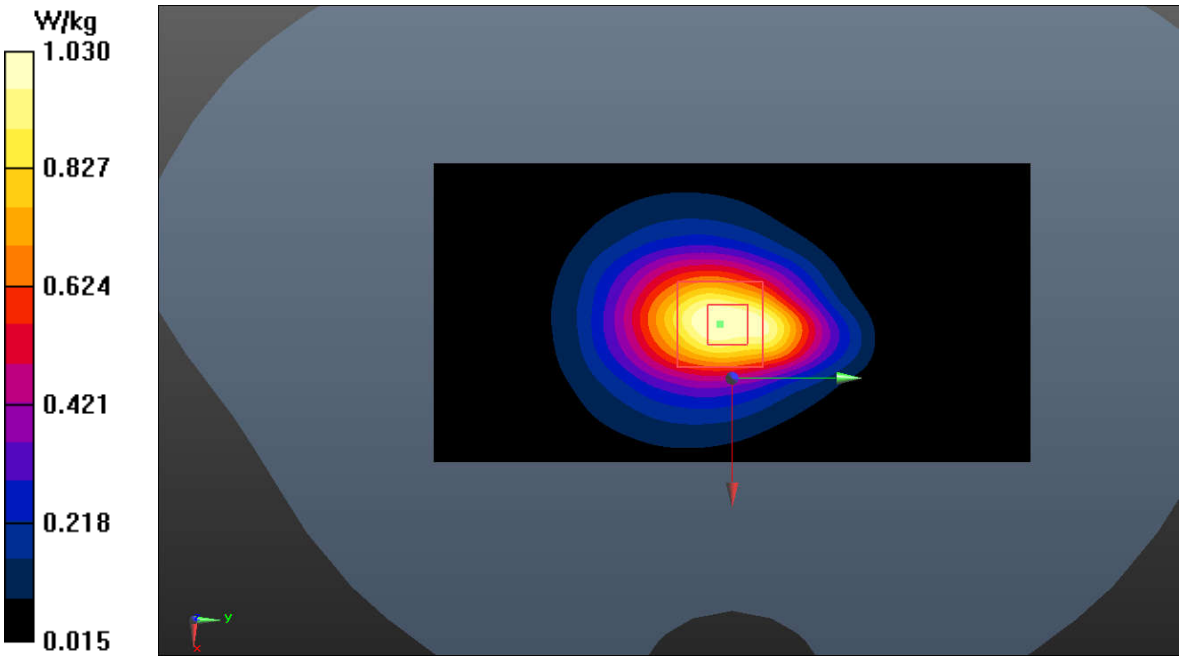



**Fig.12 LTE Band 2 Body**

**LTE Band 4 Head**
Date: 2023-5-28
Electronics: DAE4 Sn786
Medium: Head 1750MHz
Medium parameters used (interpolated): f = 1745 MHz; $\sigma$ = 1.358 S/m; $\varepsilon_r$ = 39.722; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.81, 8.81, 8.81)

**Right Tilt High 50RB0/Area Scan (81x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.791 W/kg

**Right Tilt High 50RB0/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.17 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.01 W/kg
**SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.195 W/kg**
Maximum value of SAR (measured) = 0.803 W/kg

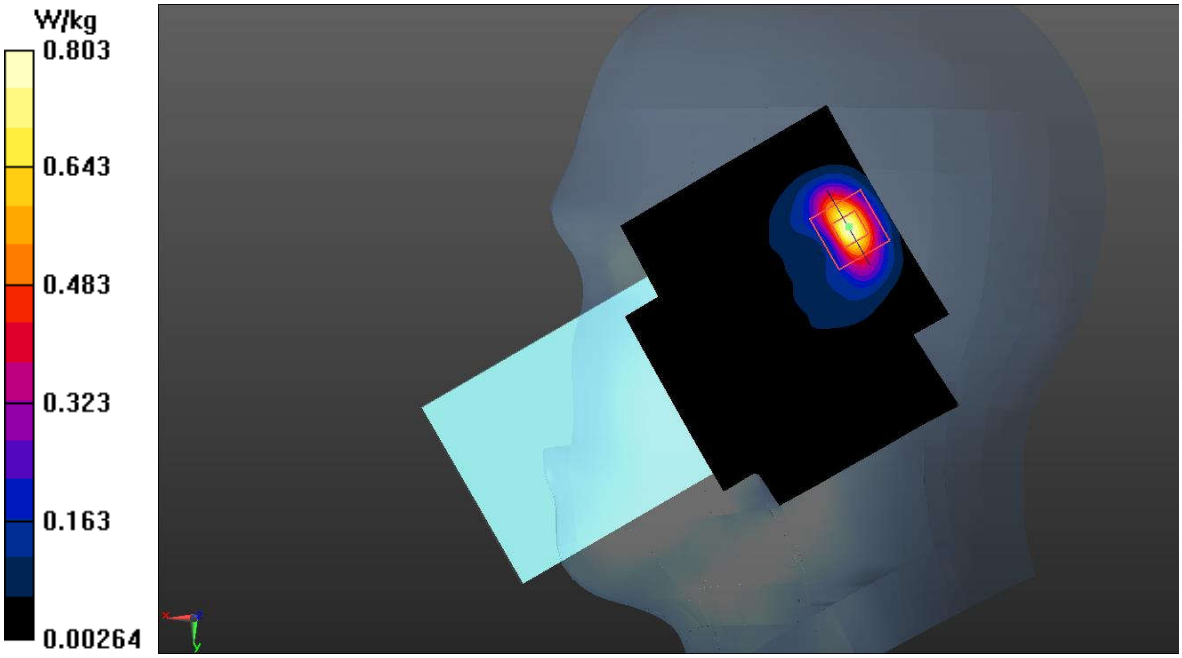



**Fig.13 LTE Band 4 Head**

**LTE Band 4 Body**
Date: 2023-5-28
Electronics: DAE4 Sn786
Medium: Head 1750MHz
Medium parameters used (interpolated): f = 1745 MHz; $\sigma$ = 1.358 S/m; $\varepsilon_r$ = 39.722; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.81, 8.81, 8.81)

**Bottom Side High 50RB0/Area Scan (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.903 W/kg

**Bottom Side High 50RB0/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.75 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.07 W/kg
**SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.328 W/kg**
Maximum value of SAR (measured) = 0.887 W/kg

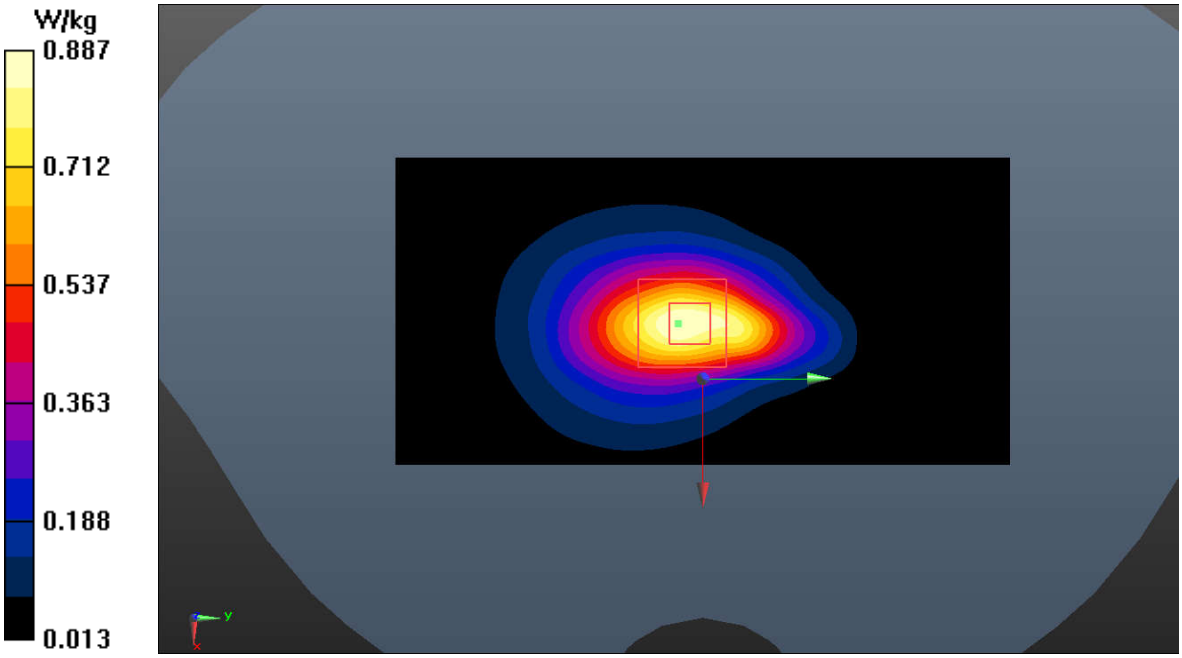



**Fig.14 LTE Band 4 Body**

**LTE Band 5 Head**
Date: 2023-5-8
Electronics: DAE4 Sn786
Medium: Head 835MHz
Medium parameters used: f = 844 MHz; $\sigma$ = 0.917 S/m; $\varepsilon_r$ = 40.645; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_FDD (0) Frequency: 844 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

**Right Tilt High 50RB0/Area Scan (81x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.02 W/kg

**Right Tilt High 50RB0/Zoom Scan (6x6x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.21 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.40 W/kg
**SAR(1 g) = 0.605 W/kg; SAR(10 g) = 0.372 W/kg**
Maximum value of SAR (measured) = 1.02 W/kg

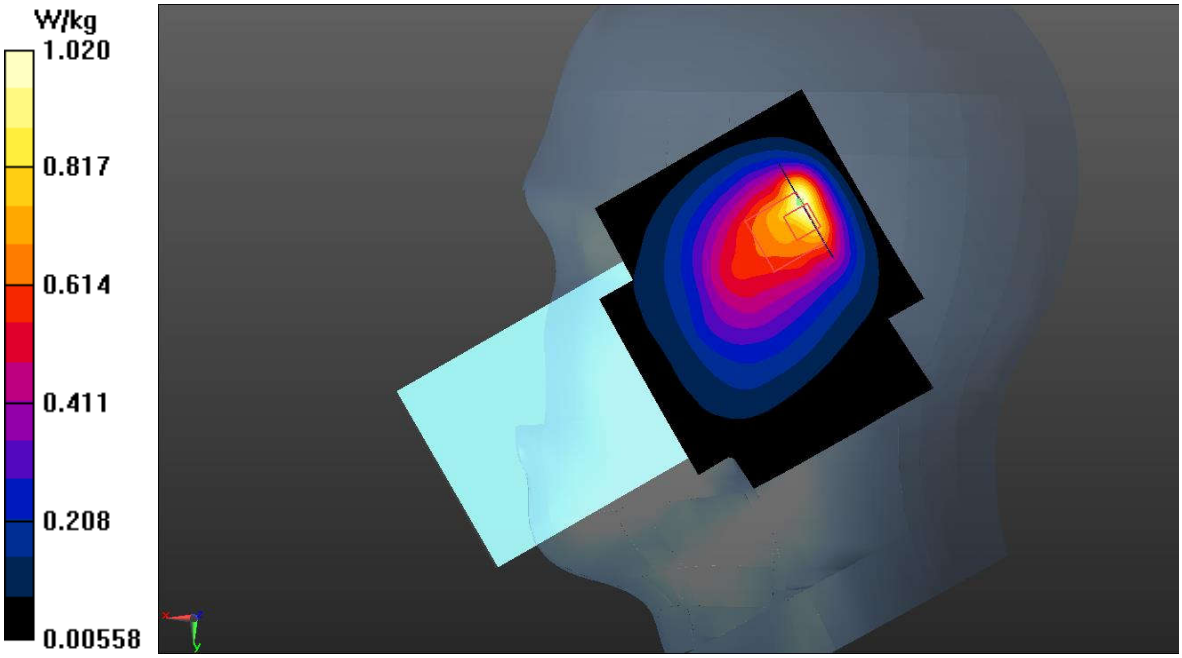



**Fig.15 LTE Band 5 Head**

**LTE Band 5 Body**
Date: 2023-5-8
Electronics: DAE4 Sn786
Medium: Head 835MHz
Medium parameters used: f = 844 MHz; $\sigma$ = 0.917 S/m; $\varepsilon_r$ = 40.645; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_FDD (0) Frequency: 844 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

**Left Side High 1RB24/Area Scan (51x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.372 W/kg

**Left Side High 1RB24/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.64 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.441 W/kg
**SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.183 W/kg**
Maximum value of SAR (measured) = 0.379 W/kg

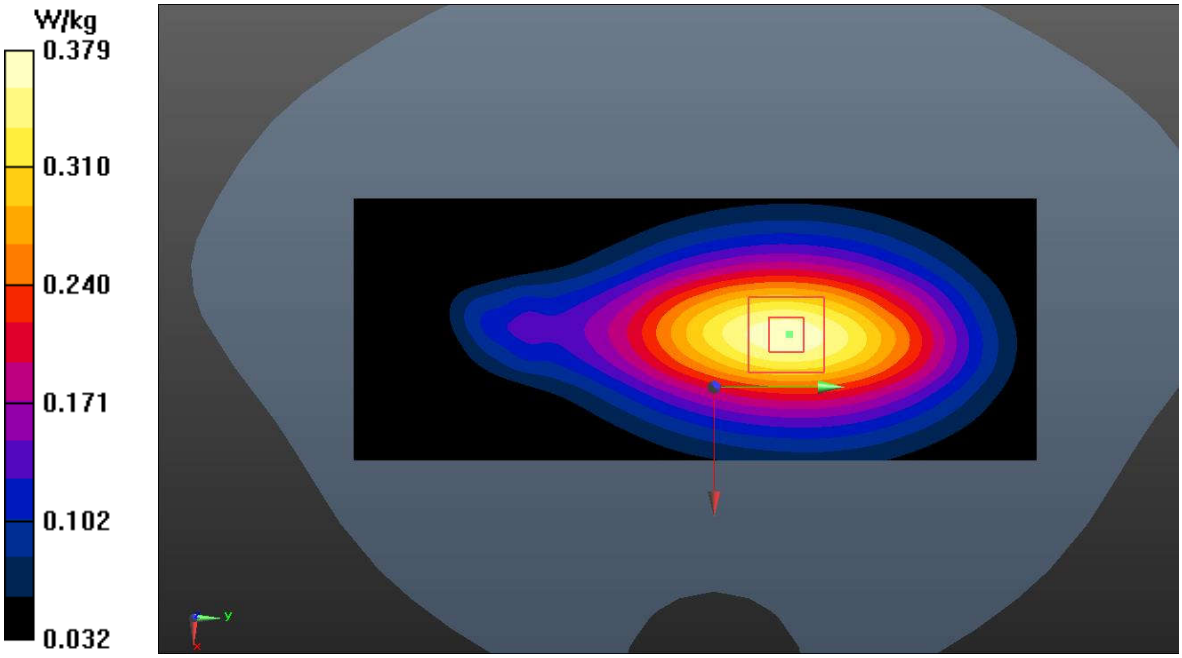



**Fig.16 LTE Band 5 Body**

**LTE Band 7 Head**
Date: 2023-5-17
Electronics: DAE4 Sn786
Medium: Head 2550MHz
Medium parameters used: f = 2560 MHz; $\sigma$ = 1.97 S/m; $\varepsilon_r$ = 38.022; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_FDD (0) Frequency: 2560 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (7.76, 7.76, 7.76)

**Right Tilt High 1RB50/Area Scan (101x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.45 W/kg

**Right Tilt High 1RB50/Zoom Scan (7x7x4)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.357 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.93 W/kg
**SAR(1 g) = 0.803 W/kg; SAR(10 g) = 0.348 W/kg**
Maximum value of SAR (measured) = 1.48 W/kg

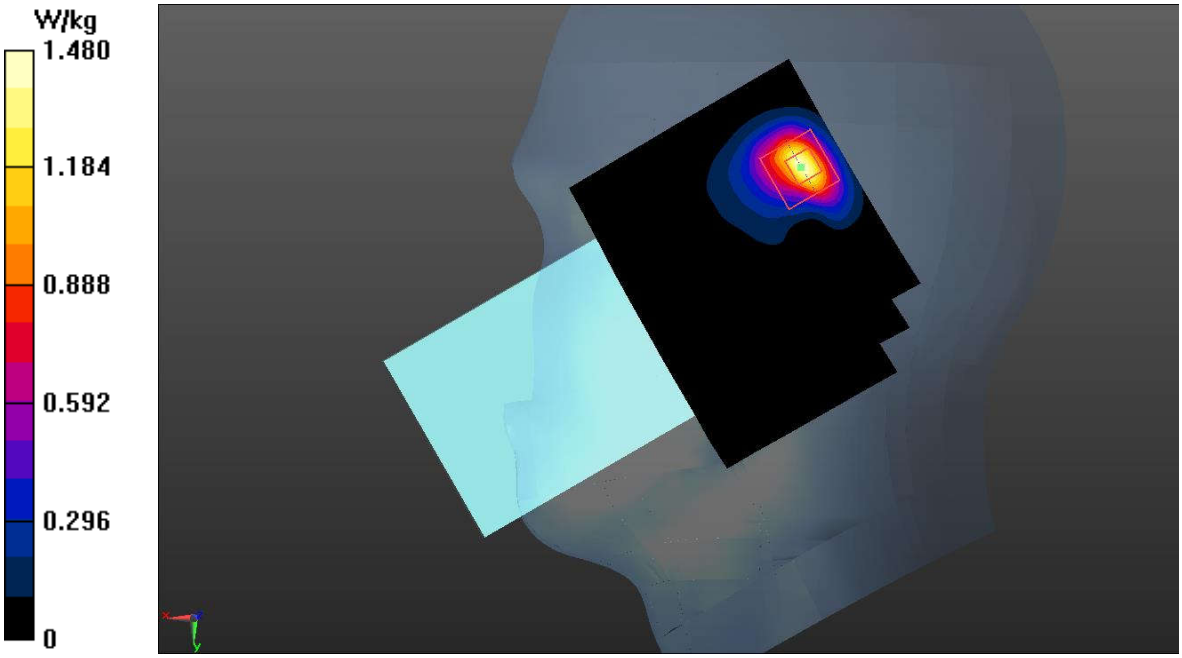



**Fig.17 LTE Band 7 Head**

**LTE Band 7 Body**
Date: 2023-5-17
Electronics: DAE4 Sn786
Medium: Head 2550MHz
Medium parameters used: f = 2510 MHz; $\sigma$ = 1.911 S/m; $\varepsilon_r$ = 38.187; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_FDD (0) Frequency: 2510 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.02, 8.02, 8.02)

**Top Side Low 1RB50/Area Scan (51x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.53 W/kg

**Top Side Low 1RB50/Zoom Scan (7x7x4)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.48 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.88 W/kg
**SAR(1 g) = 0.845 W/kg; SAR(10 g) = 0.382 W/kg**
Maximum value of SAR (measured) = 1.47 W/kg

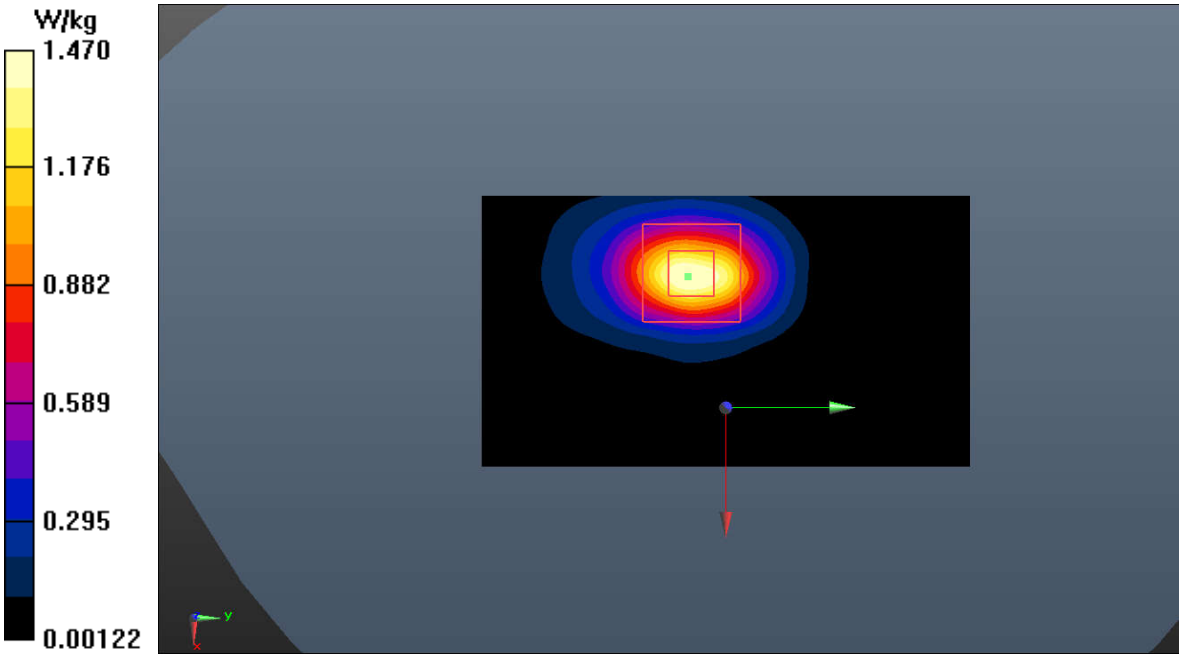



**Fig.18 LTE Band 7 Body**

**LTE Band 13 Head**
Date: 2023-5-12
Electronics: DAE4 Sn786
Medium: Head 750MHz
Medium parameters used: f = 782 MHz; $\sigma$ = 0.901 S/m; $\varepsilon_r$ = 41.969; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_FDD (0) Frequency: 782 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

**Right Cheek Middle 1RB49/Area Scan (81x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.541 W/kg

**Right Cheek Middle 1RB49/Zoom Scan (6x6x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.91 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.799 W/kg
**SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.197 W/kg**
Maximum value of SAR (measured) = 0.561 W/kg

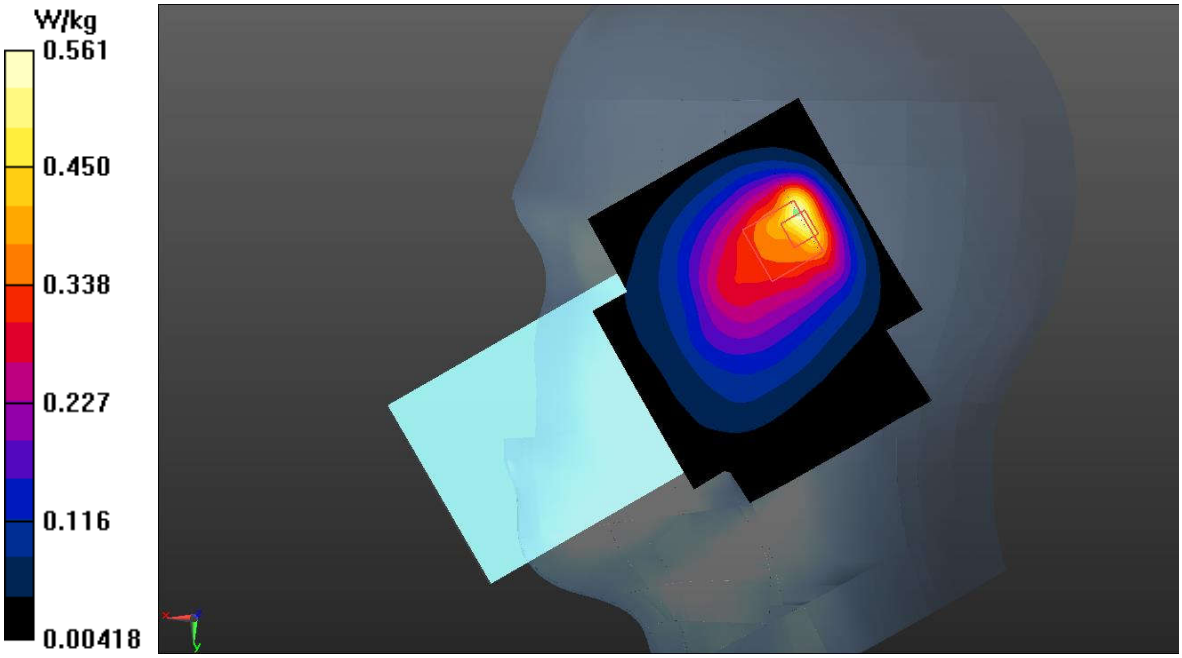



**Fig.19 LTE Band 13 Head**

**LTE Band 13 Body**
Date: 2023-5-12
Electronics: DAE4 Sn786
Medium: Head 750MHz
Medium parameters used: f = 782 MHz; $\sigma$ = 0.901 S/m; $\varepsilon_r$ = 41.969; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_FDD (0) Frequency: 782 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

**Left Side Middle 1RB49/Area Scan (51x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.267 W/kg

**Left Side Middle 1RB49/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.85 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.323 W/kg
**SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.130 W/kg**
Maximum value of SAR (measured) = 0.274 W/kg

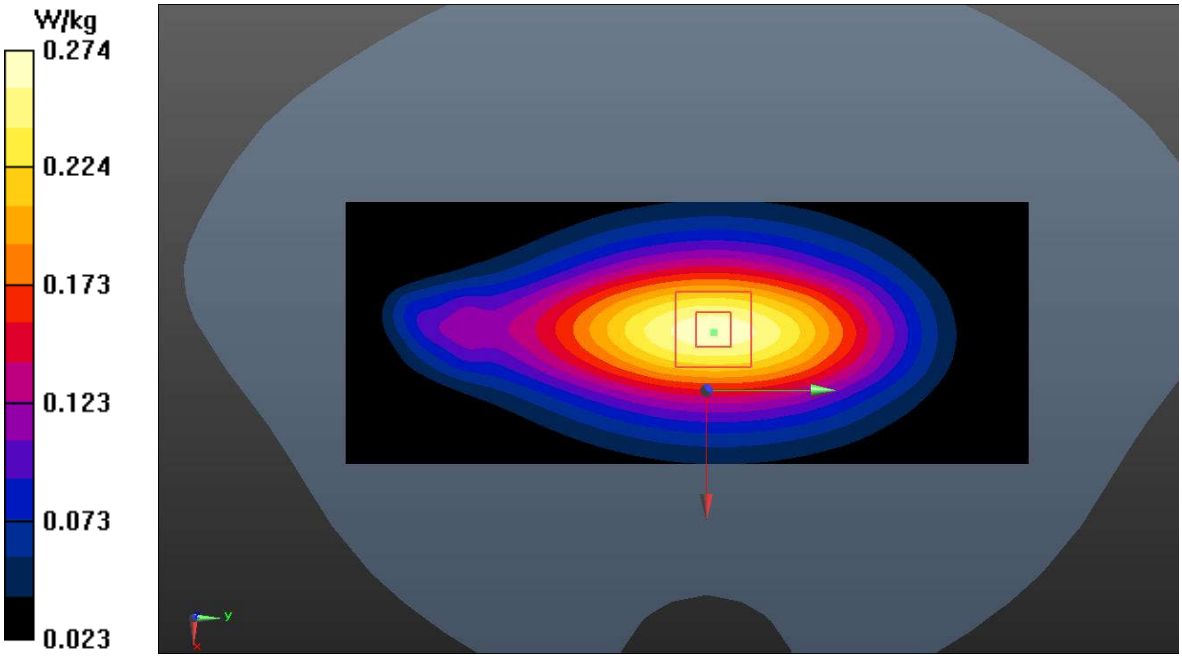



**Fig.20 LTE Band 13 Body**

**LTE Band 38 Head**
Date: 2023-5-19
Electronics: DAE4 Sn786
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2595 MHz; $\sigma$ = 2.002 S/m; $\varepsilon_r$ = 38.182; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_TDD (0) Frequency: 2595 MHz Duty Cycle: 1:1.58
Probe: EX3DV4 - SN7683 ConvF (7.76, 7.76, 7.76)

**Right Tilt Middle 50RB0/Area Scan (101x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.14 W/kg

**Right Tilt Middle 50RB0/Zoom Scan (7x7x4)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.769 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.50 W/kg
**SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.272 W/kg**
Maximum value of SAR (measured) = 1.12 W/kg

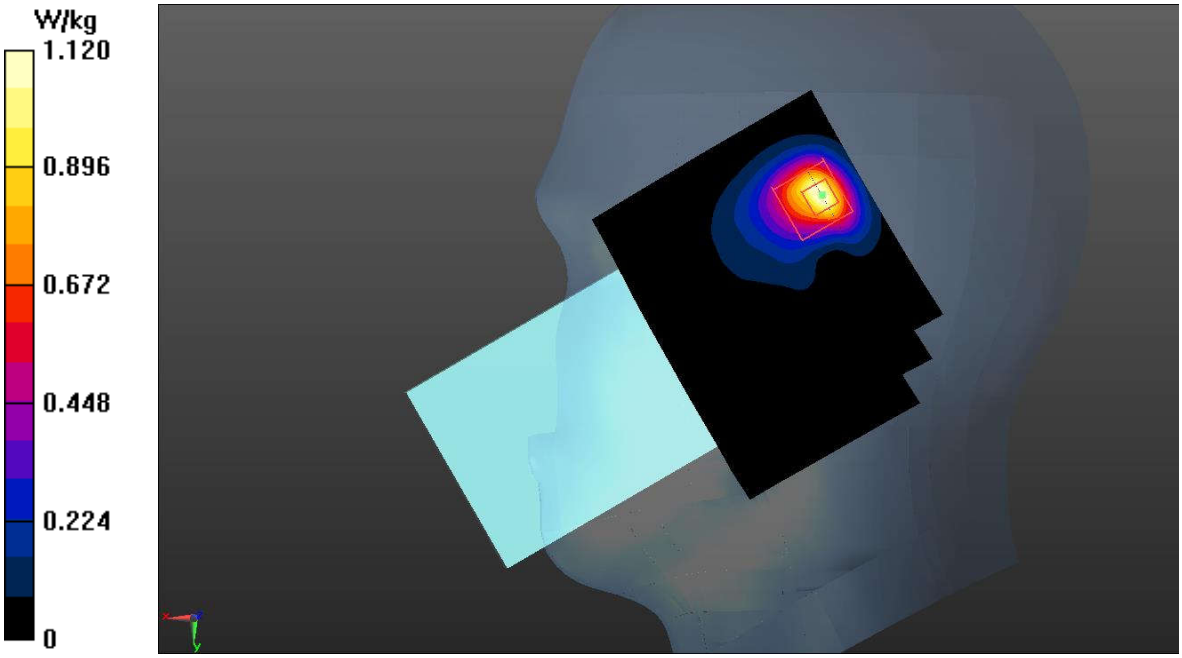



**Fig.21 LTE Band 38 Head**

**LTE Band 38 Body**
Date: 2023-5-19
Electronics: DAE4 Sn786
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2595 MHz; $\sigma$ = 2.002 S/m; $\varepsilon_r$ = 38.182; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_TDD (0) Frequency: 2595 MHz Duty Cycle: 1:1.58
Probe: EX3DV4 - SN7683 ConvF (7.76, 7.76, 7.76)

**Top Side Middle 50RB0/Area Scan (51x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.876 W/kg

**Top Side Middle 50RB0/Zoom Scan (7x7x4)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.684 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.09 W/kg
**SAR(1 g) = 0.497 W/kg; SAR(10 g) = 0.213 W/kg**
Maximum value of SAR (measured) = 0.848 W/kg

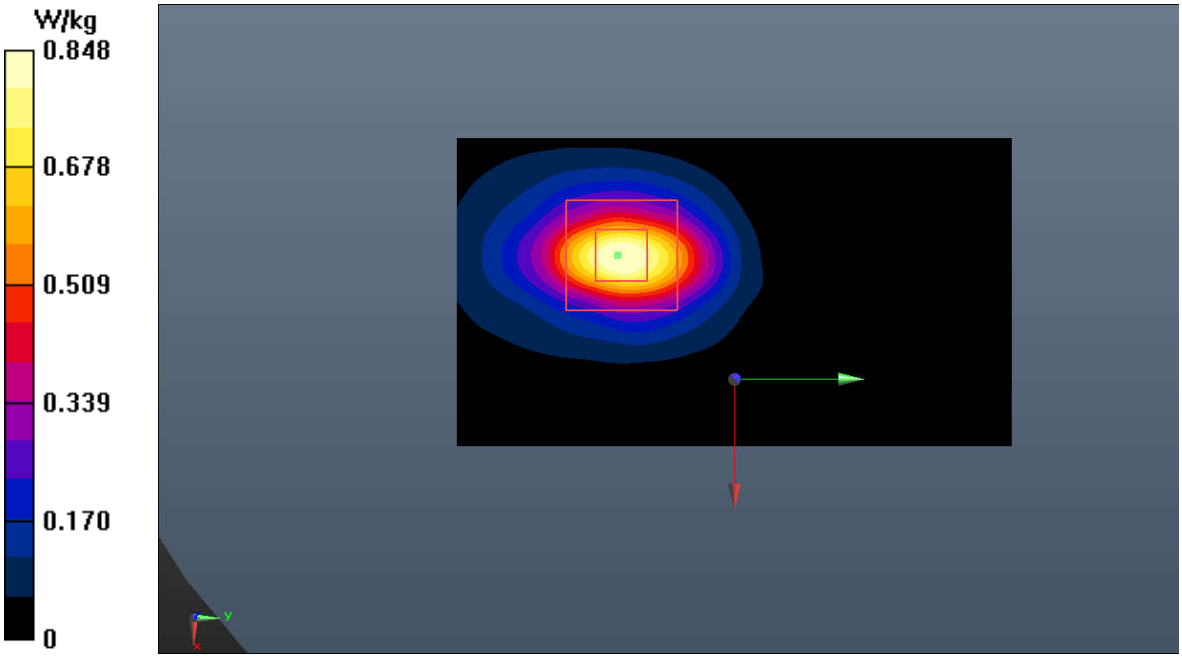



**Fig.22 LTE Band 38 Body**

**LTE Band 41 Head**
Date: 2023-5-19
Electronics: DAE4 Sn786
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2595 MHz; $\sigma$ = 2.002 S/m; $\varepsilon_r$ = 38.182; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_TDD (0) Frequency: 2595 MHz Duty Cycle: 1:1.58
Probe: EX3DV4 - SN7683 ConvF (7.76, 7.76, 7.76)

**Right Tilt Middle 50RB0/Area Scan (101x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.940 W/kg

**Right Tilt Middle 50RB0/Zoom Scan (7x7x4)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.241 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.23 W/kg
**SAR(1 g) = 0.497 W/kg; SAR(10 g) = 0.223 W/kg**
Maximum value of SAR (measured) = 0.920 W/kg

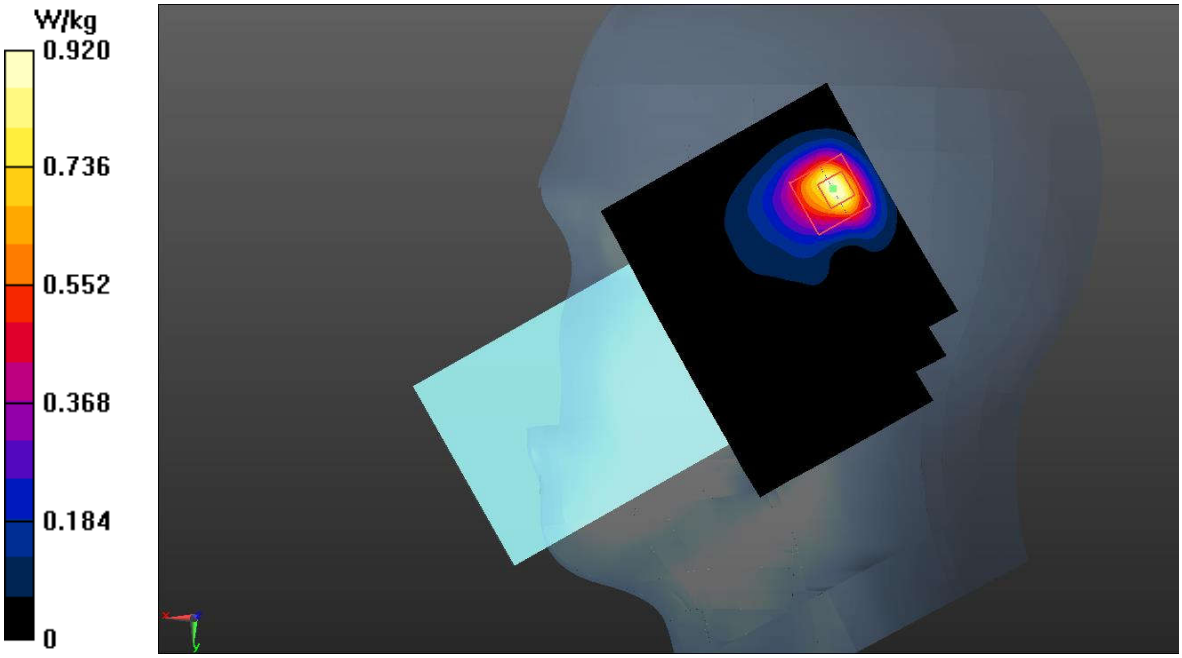



**Fig.23 LTE Band 41 Head**

**LTE Band 41 Body**
Date: 2023-5-19
Electronics: DAE4 Sn786
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2645 MHz; $\sigma$ = 2.061 S/m; $\varepsilon_r$ = 38.018; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_TDD (0) Frequency: 2645 MHz Duty Cycle: 1:1.58
Probe: EX3DV4 - SN7683 ConvF (7.76, 7.76, 7.76)

**Top Side High 50RB0/Area Scan (51x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.04 W/kg

**Top Side High 50RB0/Zoom Scan (7x7x4)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.288 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.29 W/kg
**SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.257 W/kg**
Maximum value of SAR (measured) = 1.00 W/kg

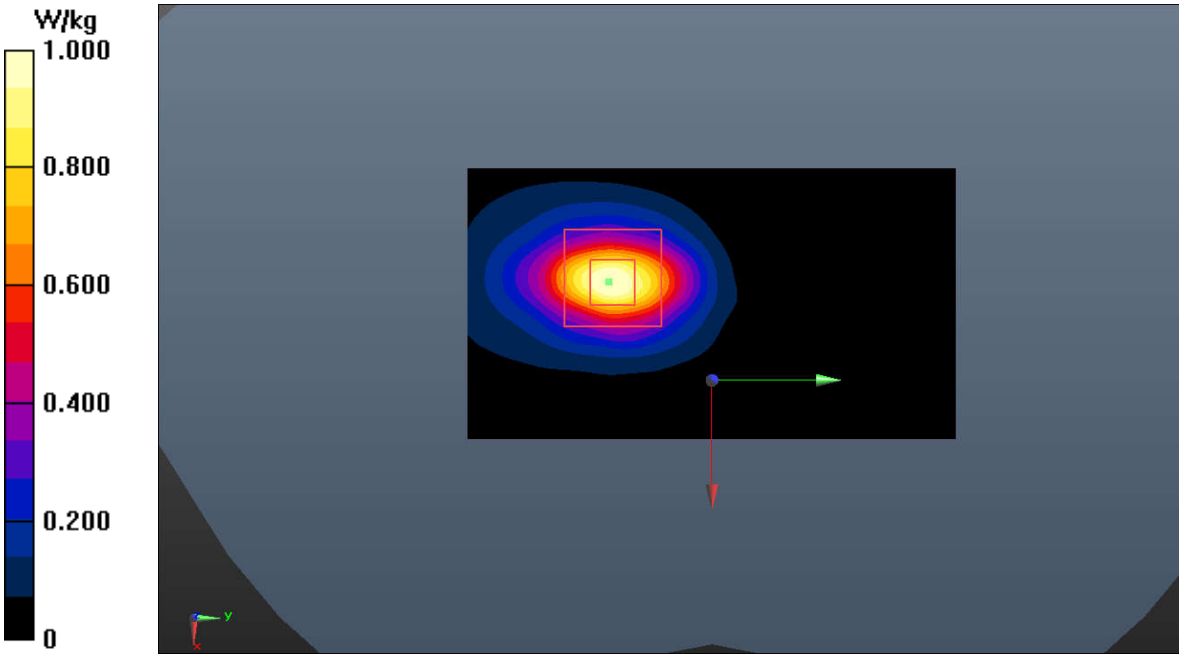



**Fig.24 LTE Band 41 Body**

**LTE Band 66 Head**
Date: 2023-5-28
Electronics: DAE4 Sn786
Medium: Head 1750MHz
Medium parameters used: f = 1770 MHz; $\sigma$ = 1.38 S/m; $\varepsilon_r$ = 39.623; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_FDD (0) Frequency: 1770 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.81, 8.81, 8.81)

**Right Tilt High 1RB50/Area Scan (81x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.77 W/kg

**Right Tilt High 1RB50/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.24 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 2.22 W/kg
**SAR(1 g) = 1.00 W/kg; SAR(10 g) = 0.452 W/kg**
Maximum value of SAR (measured) = 1.78 W/kg

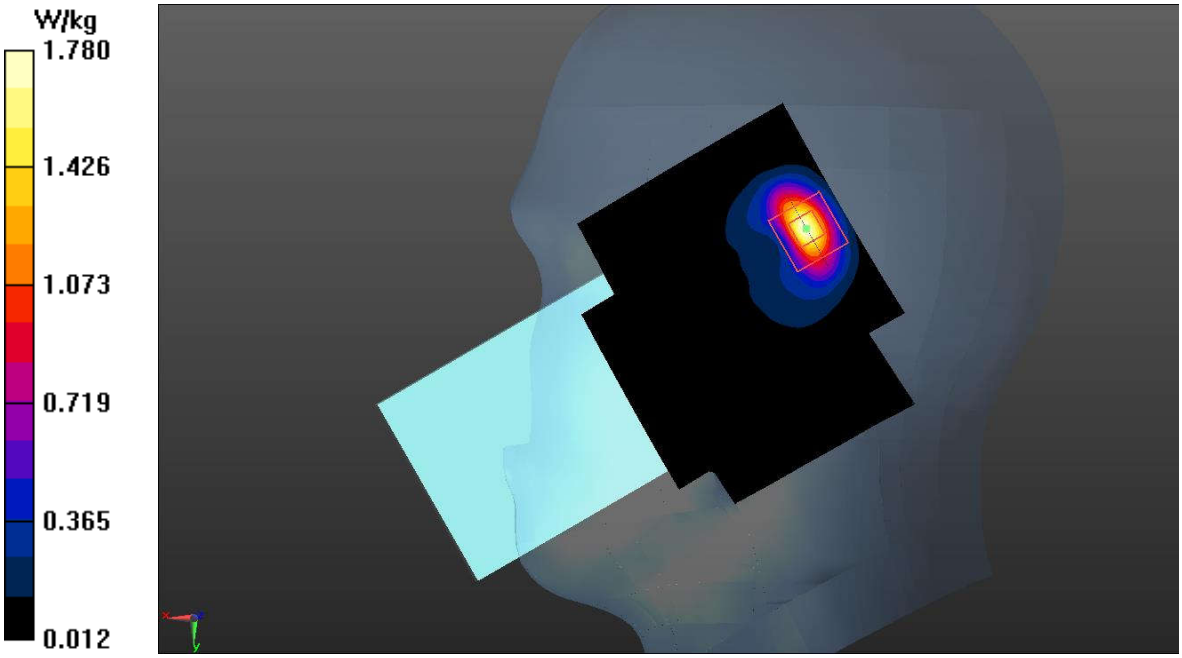



**Fig.25 LTE Band 66 Head**

**LTE Band 66 Body**
Date: 2023-5-28
Electronics: DAE4 Sn786
Medium: Head 1750MHz
Medium parameters used (interpolated): f = 1745 MHz; $\sigma$ = 1.358 S/m; $\varepsilon_r$ = 39.722; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, LTE_FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.81, 8.81, 8.81)

**Bottom Side Middle 50RB0/Area Scan (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.942 W/kg

**Bottom Side Middle 50RB0/Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.65 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.09 W/kg
**SAR(1 g) = 0.611 W/kg; SAR(10 g) = 0.341 W/kg**
Maximum value of SAR (measured) = 0.916 W/kg

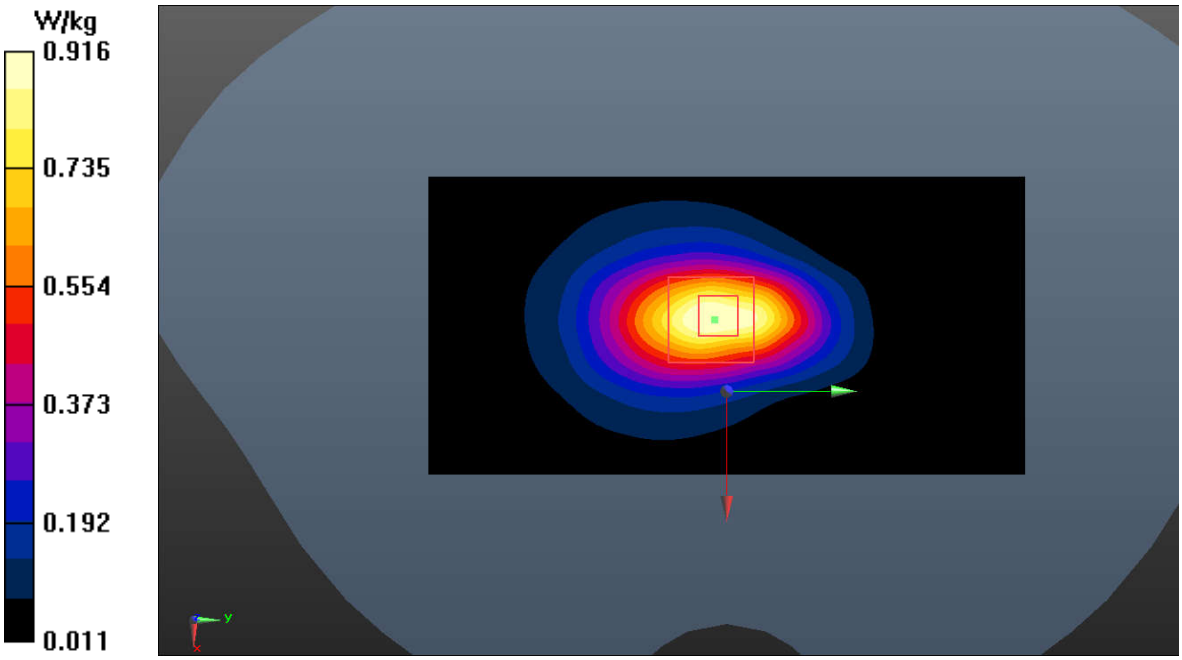



**Fig.26 LTE Band 66 Body**

**Bluetooth Head**
Date: 2023-6-5
Electronics: DAE4 Sn786
Medium: Head 2450MHz
Medium parameters used: f = 2480 MHz; $\sigma$ = 1.876 S/m; $\varepsilon_r$ = 38.226; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, BT (0) Frequency: 2480 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.02, 8.02, 8.02)

**Left Cheek Ch.78/Area Scan (101x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.122 W/kg

**Left Cheek Ch.78/Zoom Scan (7x7x4)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.252 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.111 W/kg
**SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.028 W/kg**
Maximum value of SAR (measured) = 0.0866 W/kg

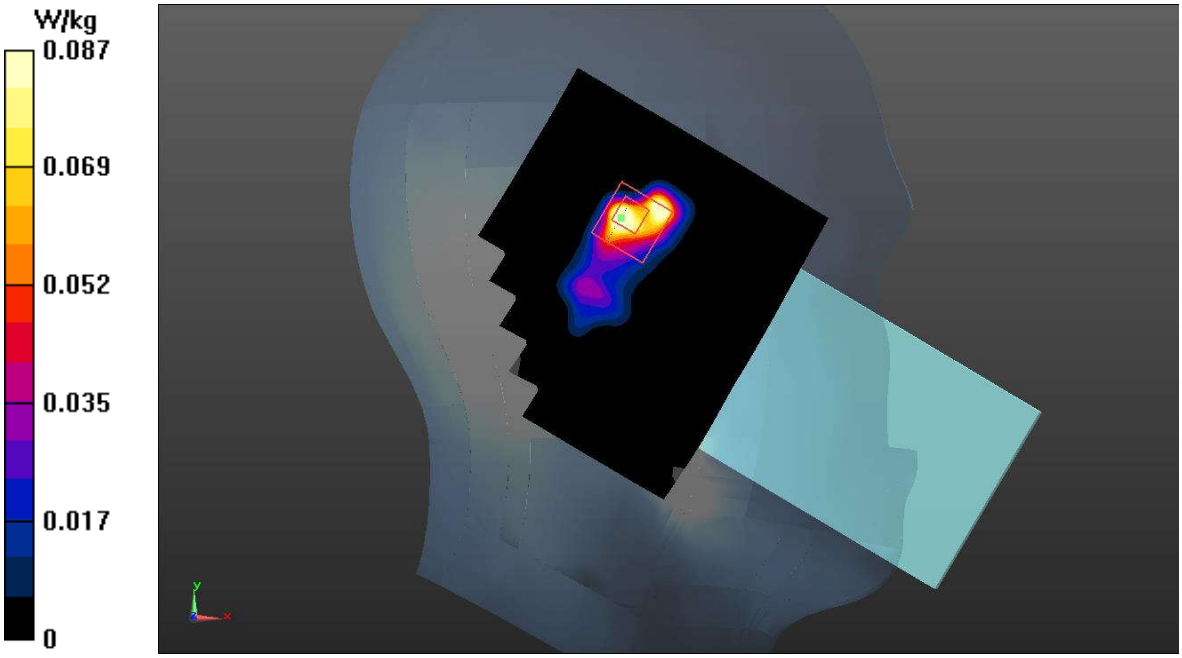



**Fig.27 Bluetooth Head**

**Bluetooth Body**
Date: 2023-6-5
Electronics: DAE4 Sn786
Medium: Head 2450MHz
Medium parameters used: f = 2480 MHz; $\sigma$ = 1.876 S/m; $\varepsilon_r$ = 38.226; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, BT (0) Frequency: 2480 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.02, 8.02, 8.02)

**Top Side Ch.78/Area Scan (61x121x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0428 W/kg

**Top Side Ch.78/Zoom Scan (7x7x4)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.974 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.0760 W/kg
**SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.006 W/kg**
Maximum value of SAR (measured) = 0.0263 W/kg

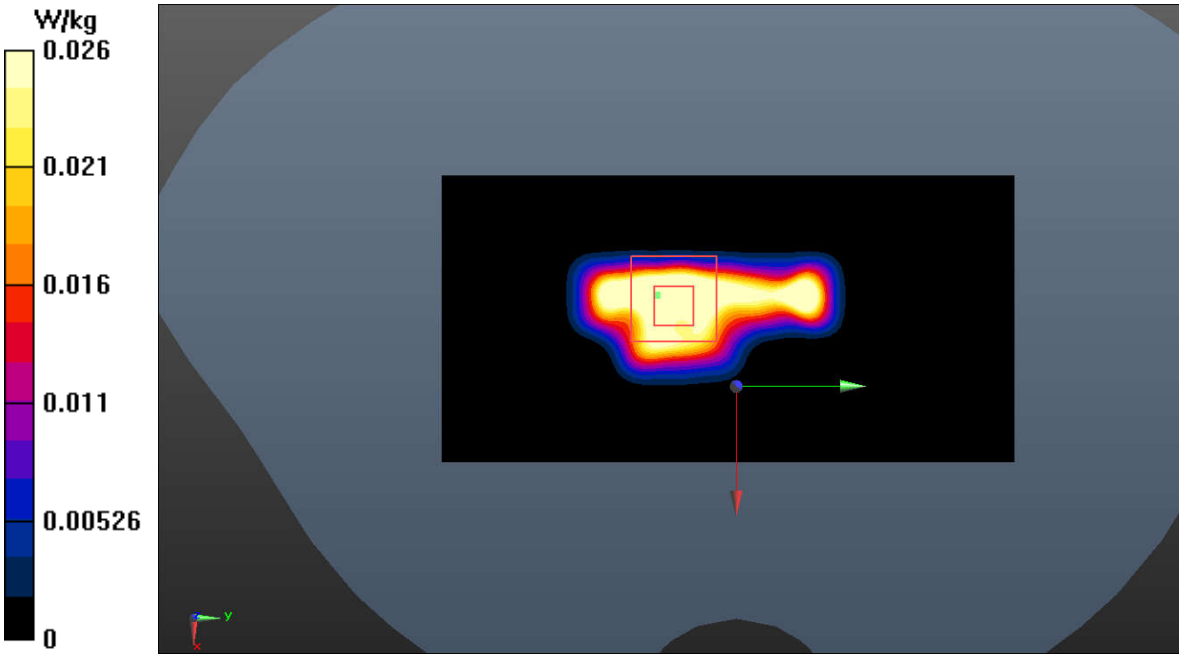



**Fig.28 Bluetooth Body**

**WLAN 2.4GHz Head**
Date: 2023-6-5
Electronics: DAE4 Sn786
Medium: Head 2450MHz
Medium parameters used (interpolated): f = 2437 MHz; $\sigma$ = 1.826 S/m; $\varepsilon_r$ = 38.368; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, WLAN (0) Frequency: 2437 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.02, 8.02, 8.02)

**Left Cheek Ch.6/Area Scan (101x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.883 W/kg

**Left Cheek Ch.6/Zoom Scan (7x7x4)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.86 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.971 W/kg
**SAR(1 g) = 0.441 W/kg; SAR(10 g) = 0.245 W/kg**
Maximum value of SAR (measured) = 0.710 W/kg

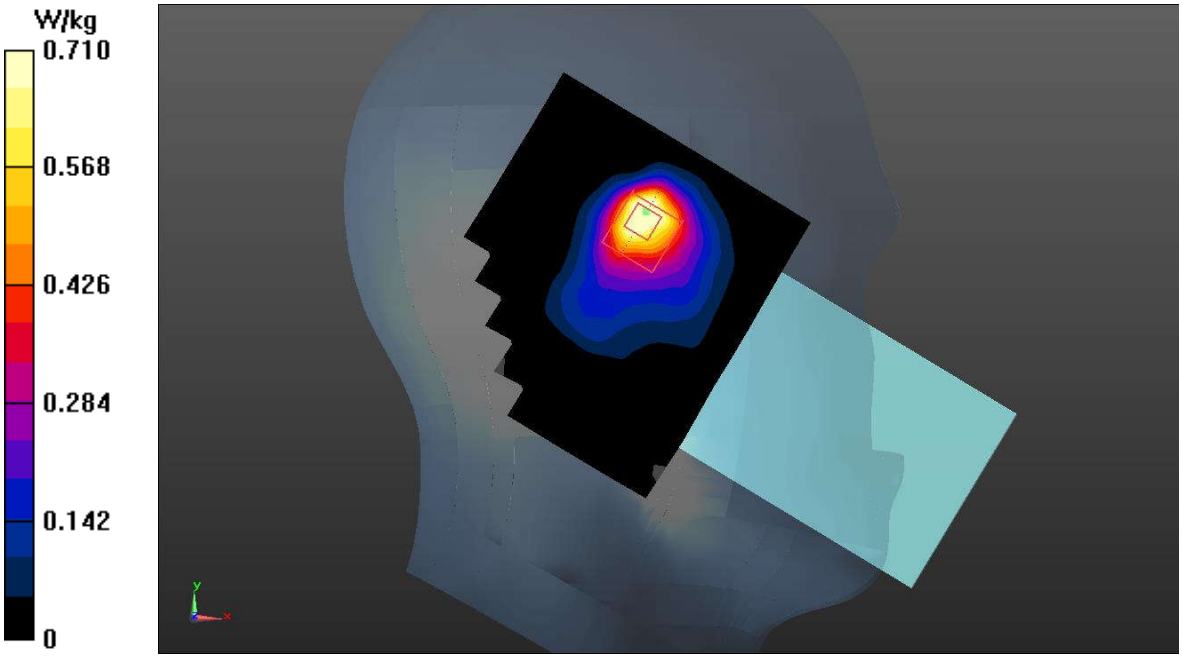



**Fig.29 WLAN 2.4GHz Head**

**WLAN 2.4GHz Body**
Date: 2023-6-5
Electronics: DAE4 Sn786
Medium: Head 2450MHz
Medium parameters used (interpolated): f = 2437 MHz; $\sigma$ = 1.826 S/m; $\varepsilon_r$ = 38.368; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, WLAN (0) Frequency: 2437 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.02, 8.02, 8.02)

**Top Side Ch.6/Area Scan (61x121x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.284 W/kg

**Top Side Ch.6/Zoom Scan (7x7x4)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.57 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.344 W/kg
**SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.094 W/kg**
Maximum value of SAR (measured) = 0.281 W/kg

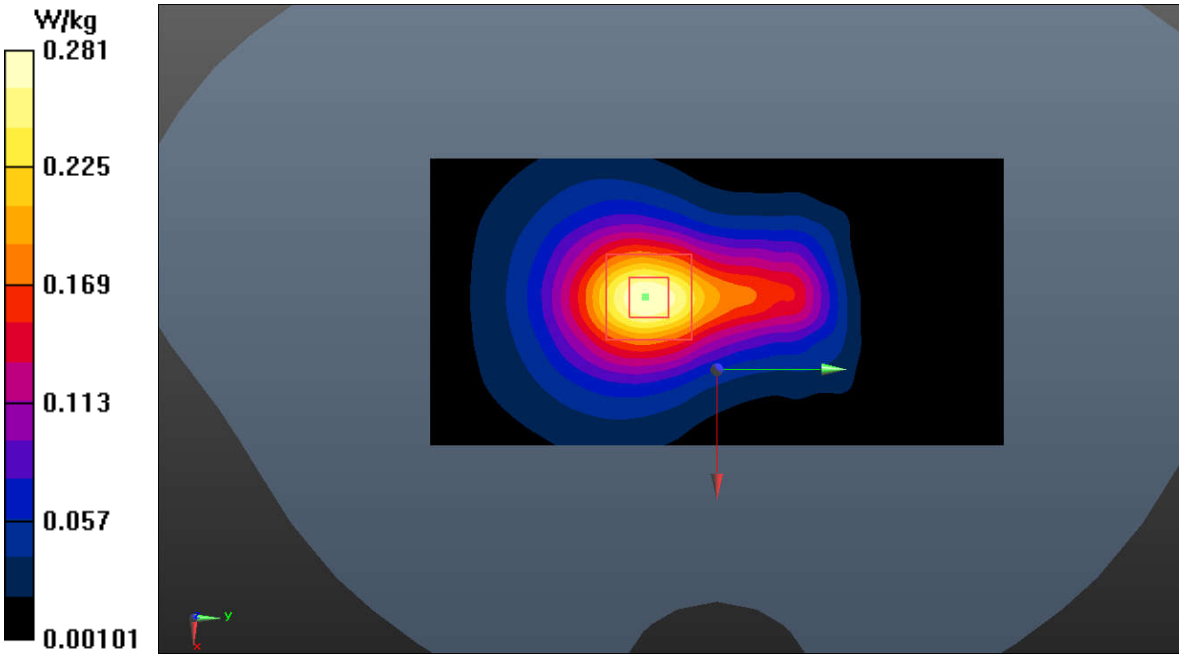



**Fig.30 WLAN 2.4GHz Body**

**WLAN 5GHz Head**
Date: 2023-6-3
Electronics: DAE4 Sn786
Medium: Head 5250MHz
Medium parameters used: f = 5290 MHz; $\sigma$ = 4.699 S/m; $\varepsilon_r$ = 36.485; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, WLAN 5G (0) Frequency: 5290 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (5.72, 5.72, 5.72)

**Left Tilt Ch.58/Area Scan (101x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.61 W/kg

**Left Tilt Ch.58/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.876 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 3.00 W/kg
**SAR(1 g) = 0.724 W/kg; SAR(10 g) = 0.226 W/kg**
Maximum value of SAR (measured) = 1.91 W/kg

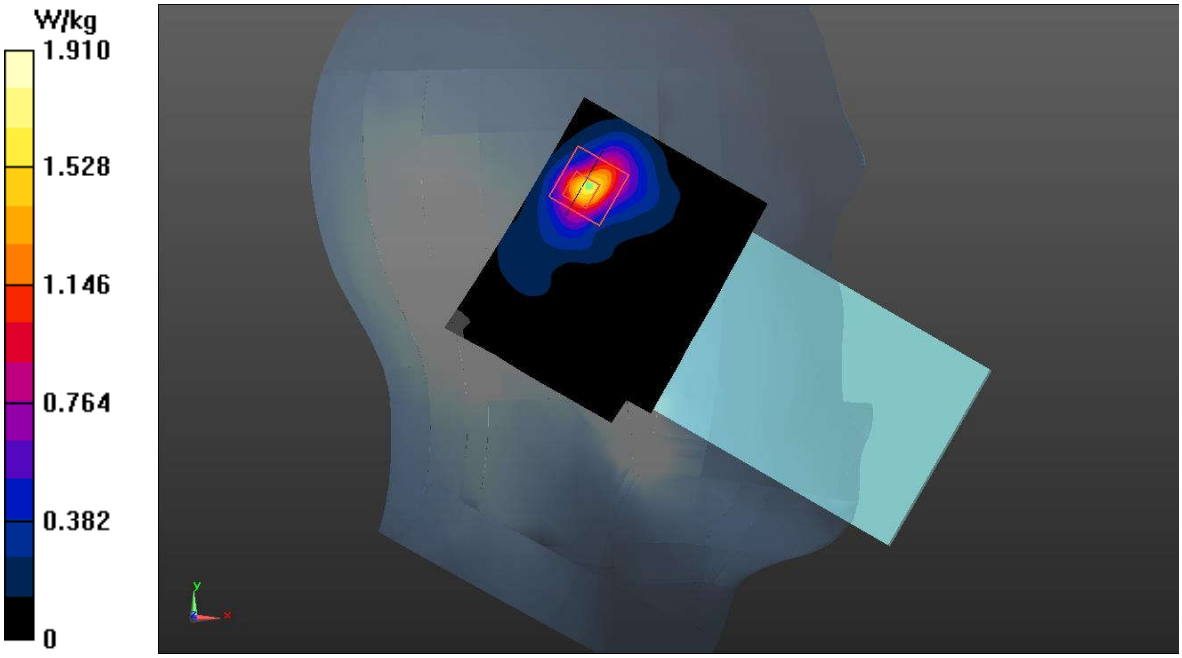



**Fig.31 WLAN 5GHz Head**

**WLAN 5GHz Body**
Date: 2023-6-3
Electronics: DAE4 Sn786
Medium: Head 5750MHz
Medium parameters used (interpolated): f = 5795 MHz; $\sigma$ = 5.37 S/m; $\varepsilon_r$ = 34.446; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, WLAN 5G (0) Frequency: 5795 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (5.23, 5.23, 5.23)

**Top Side Ch.159/Area Scan (71x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

**Top Side Ch.159/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 13.31 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.93 W/kg
**SAR(1 g) = 0.463 W/kg; SAR(10 g) = 0.157 W/kg**
Maximum value of SAR (measured) = 1.11 W/kg

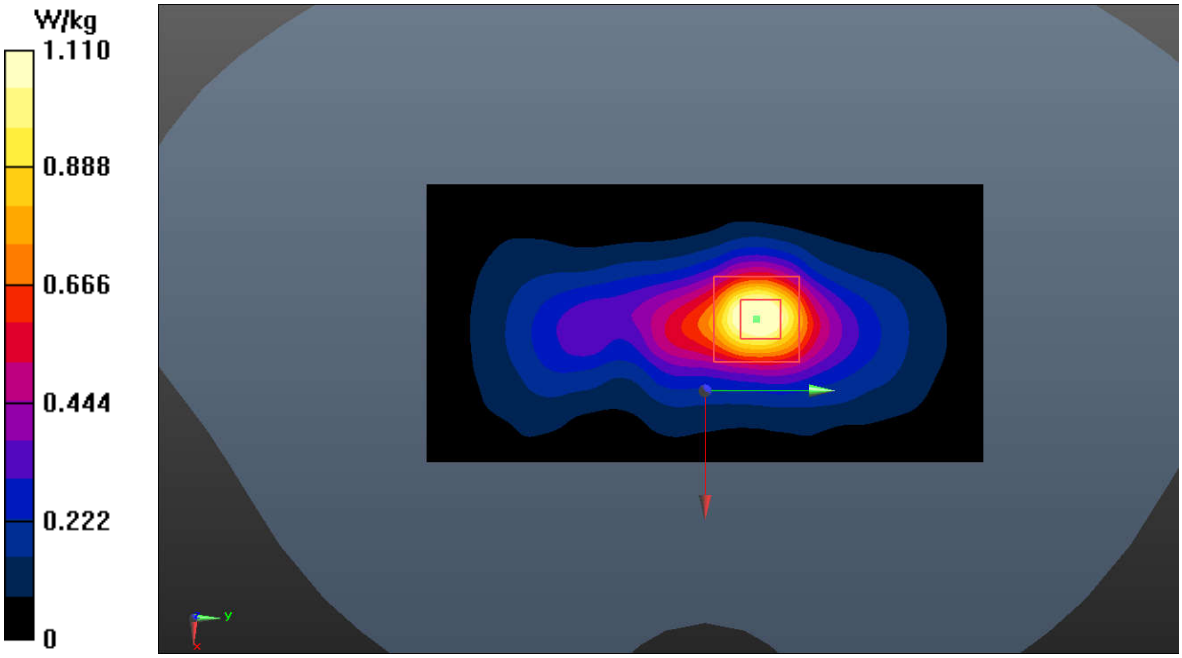



**Fig.32 WLAN 5GHz Body**

**WLAN 5GHz Extremity**
Date: 2023-6-3
Electronics: DAE4 Sn786
Medium: Head 5600MHz
Medium parameters used: f = 5670 MHz; $\sigma$ = 5.112 S/m; $\varepsilon_r$ = 35.74; $\rho$ = 1000 kg/m$^3$
Communication System: UID 0, WLAN 5G (0) Frequency: 5670 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (5.13, 5.13, 5.13)

**Top Side Ch.134/Area Scan (71x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 10.2 W/kg

**Top Side Ch.134/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 24.00 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 28.5 W/kg
**SAR(1 g) = 4.29 W/kg; SAR(10 g) = 0.887 W/kg**
Maximum value of SAR (measured) = 15.0 W/kg

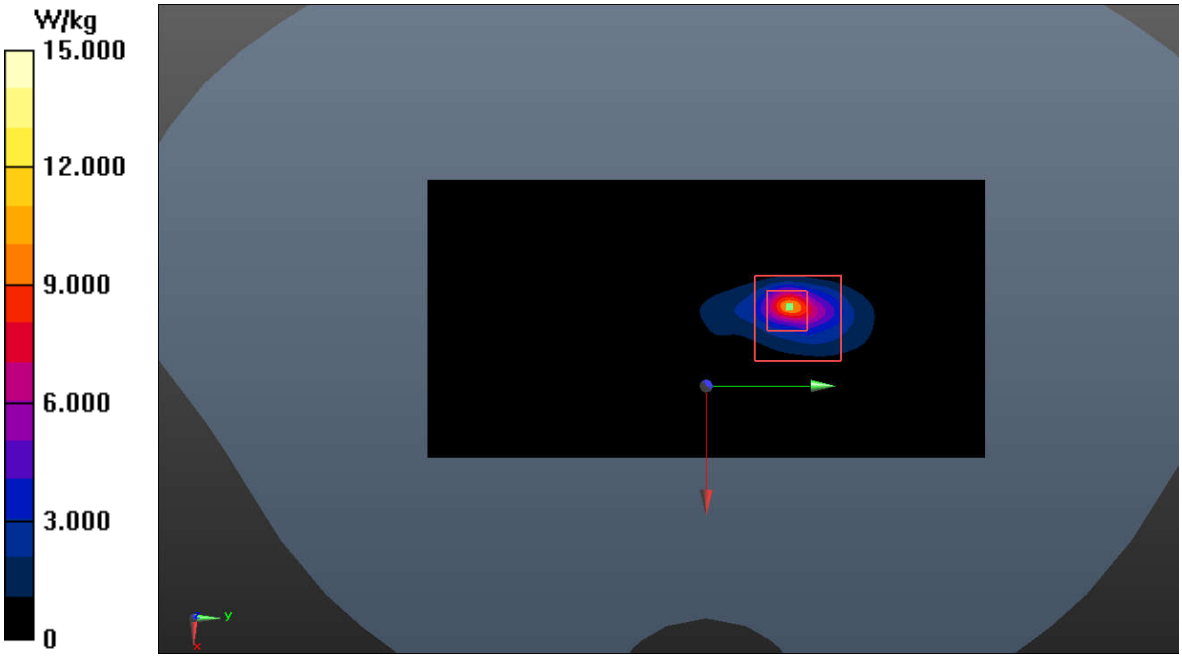



**Fig.33 WLAN 5GHz Extremity**

# ANNEX B: SystemVerification Results

**750MHz**

Date: 2023-5-12

Electronics: DAE4 Sn786

Medium: Head 750MHz

Medium parameters used: f = 750 MHz; $\sigma$ = 0.881 S/m; $\varepsilon_r$ = 42.353; $\rho$ = 1000 kg/m$^3$

Communication System: CW_TMC Frequency: 750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

**System Validation/Area Scan (81x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 59.456 V/m; Power Drift = -0.04 dB

**SAR(1 g) = 2.10 W/kg; SAR(10 g) = 1.39 W/kg**

Maximum value of SAR (interpolated) = 2.76 W/kg

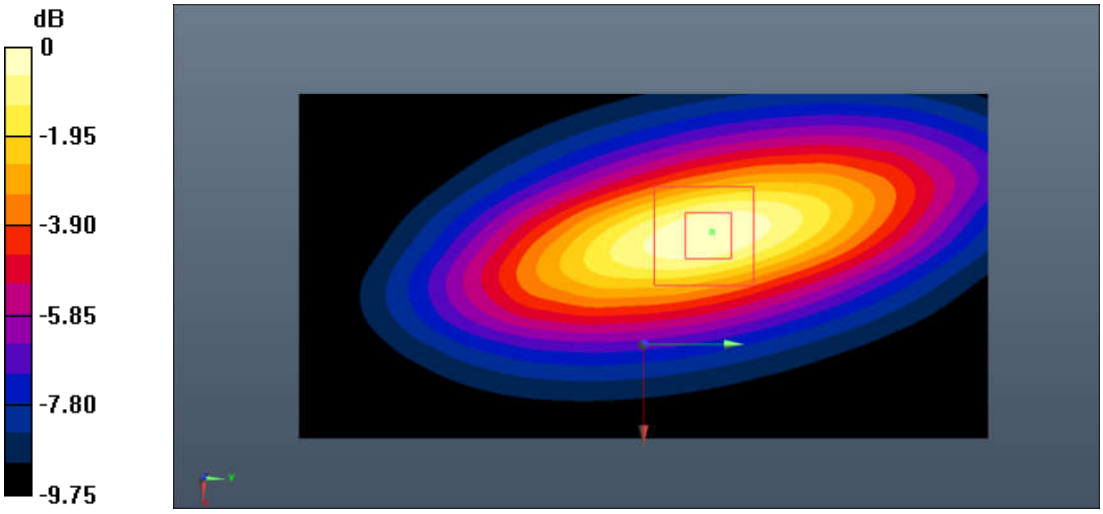
**System Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.456 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.98 W/kg

**SAR(1 g) = 2.05 W/kg; SAR(10 g) = 1.37 W/kg**

Maximum value of SAR (measured) = 2.73 W/kg



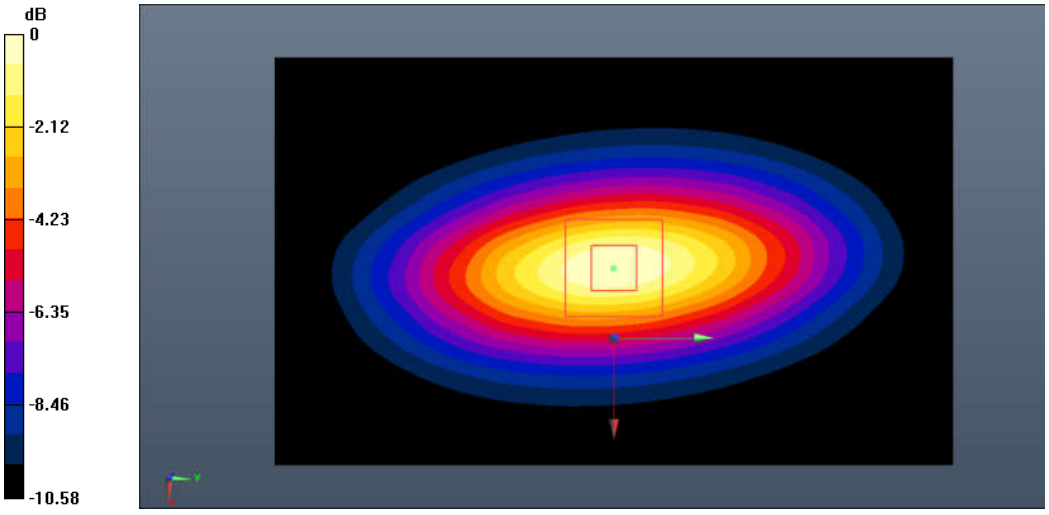

0 dB = 2.73 W/kg = 4.36 dB W/kg

**Fig.B.1. Validation 750MHz 250mW**

**835MHz**
Date: 2023-5-8
Electronics: DAE4 Sn786
Medium: Head 835MHz
Medium parameters used: f = 835 MHz; $\sigma$ = 0.909 S/m; $\varepsilon r$ = 40.573; $\rho$ = 1000 kg/$m^3$
Communication System: CW_TMC Frequency: 835 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

**System Validation/Area Scan (91x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 64.598 V/m; Power Drift = 0.13 dB
**SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.60 W/kg**
Maximum value of SAR (interpolated) = 3.73 W/kg

**System Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 64.598 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 4.42 W/kg
**SAR(1 g) = 2.50 W/kg; SAR(10 g) = 1.62 W/kg**
Maximum value of SAR (measured) = 3.76 W/kg



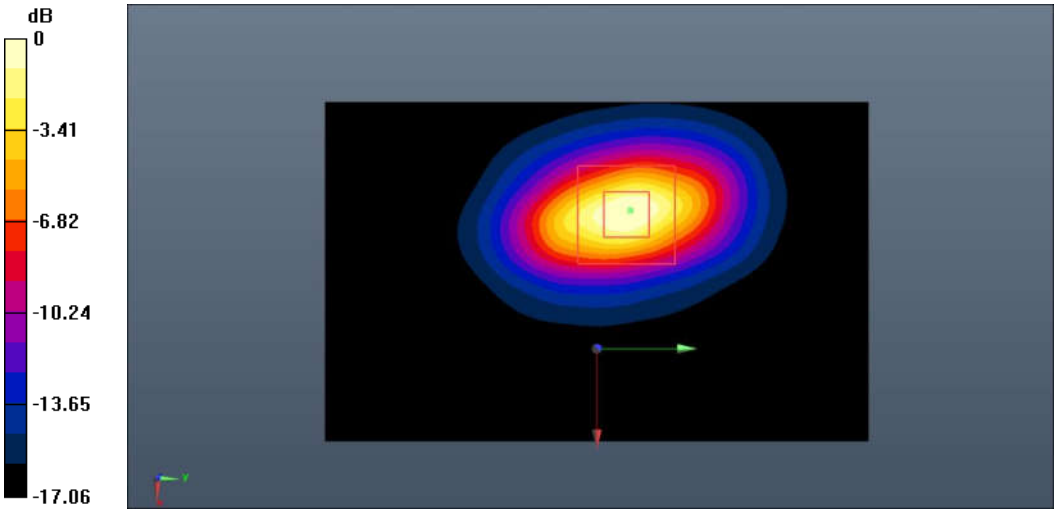

0 dB = 3.76 W/kg = 5.75 dB W/kg

**Fig.B.2. Validation 835MHz 250mW**

**1750MHz**
Date: 2023-5-18
Electronics: DAE4 Sn786
Medium: Head 1750MHz
Medium parameters used: f = 1750 MHz; $\sigma$ = 1.388 S/m; $\varepsilon_r$ = 39.464; $\rho$ = 1000 kg/m$^3$
Communication System: CW_TMC Frequency: 1750 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.81, 8.81, 8.81)

**System Validation/Area Scan (81x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 80.565 V/m; Power Drift = 0.12 dB
**SAR(1 g) = 9.27 W/kg; SAR(10 g) = 4.95 W/kg**
Maximum value of SAR (interpolated) = 11.3 W/kg

**System Validation/Zoom Scan (7x7x7)/Cube0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 80.565 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 22.4 W/kg
**SAR(1 g) = 9.46 W/kg; SAR(10 g) = 5.02 W/kg**
Maximum value of SAR (measured) = 11.5 W/kg



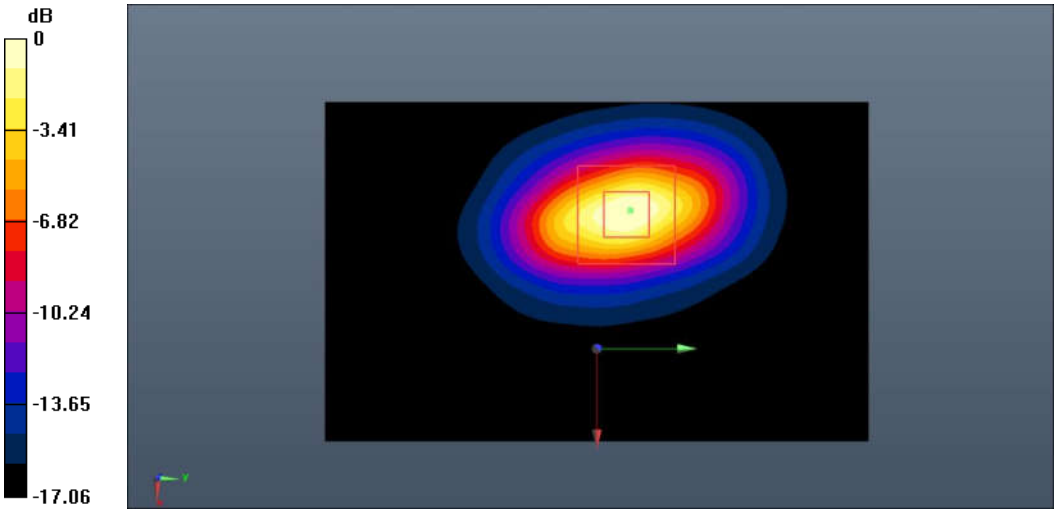

0 dB = 11.5 W/kg = 10.61 dB W/kg

**Fig.B.3. Validation 1750MHz 250mW**

**1750MHz**
Date: 2023-5-28
Electronics: DAE4 Sn786
Medium: Head 1750MHz
Medium parameters used: f = 1750 MHz; $\sigma$ = 1.362 S/m; $\varepsilon_r$ = 39.701; $\rho$ = 1000 kg/m$^3$
Communication System: CW_TMC Frequency: 1750 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.81, 8.81, 8.81)

**System Validation/Area Scan (81x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 80.014 V/m; Power Drift = -0.09 dB
**SAR(1 g) = 8.96 W/kg; SAR(10 g) = 4.92 W/kg**
Maximum value of SAR (interpolated) = 11.0 W/kg

**System Validation/Zoom Scan (7x7x7)/Cube0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 80.014 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 20.7 W/kg
**SAR(1 g) = 8.75 W/kg; SAR(10 g) = 4.83 W/kg**
Maximum value of SAR (measured) = 10.8 W/kg



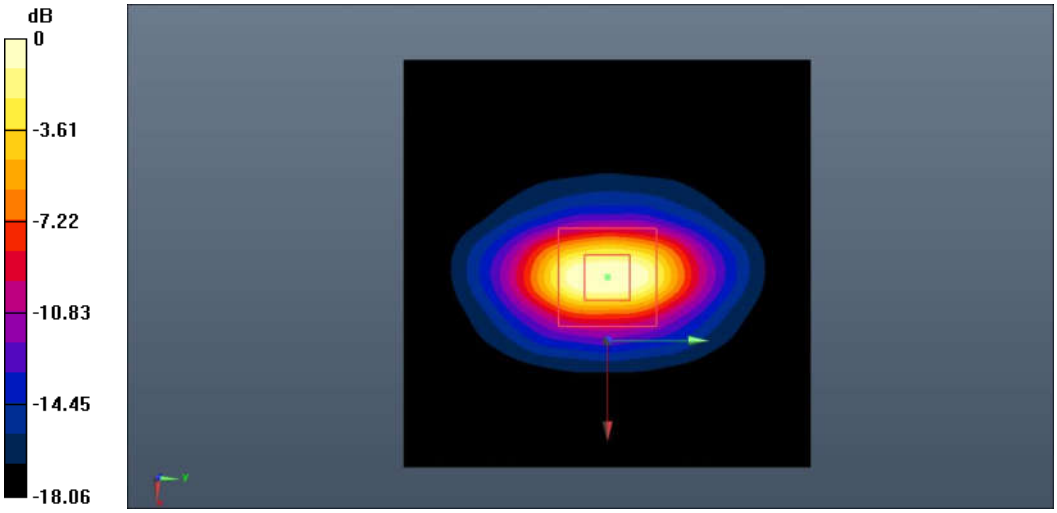

0 dB = 10.8 W/kg = 10.33 dB W/kg

**Fig.B.4. Validation 1750MHz 250mW**

**1900MHz**
Date: 2023-5-20
Electronics: DAE4 Sn786
Medium: Head 1900MHz
Medium parameters used: f = 1900 MHz; $\sigma$ = 1.425 S/m; $\varepsilon_r$ = 39.233; $\rho$ = 1000 kg/m$^3$
Communication System: CW_TMC Frequency: 1900 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.55, 8.55, 8.55)

**System Validation/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 84.576 V/m; Power Drift = 0.08 dB
**SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.18 W/kg**
Maximum value of SAR (interpolated) = 12.2 W/kg

**System Validation/Zoom Scan (7x7x7)/Cube0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 84.576 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 26.5 W/kg
**SAR(1 g) = 10.5 W/kg; SAR(10 g) = 5.27 W/kg**
Maximum value of SAR (measured) = 12.4 W/kg



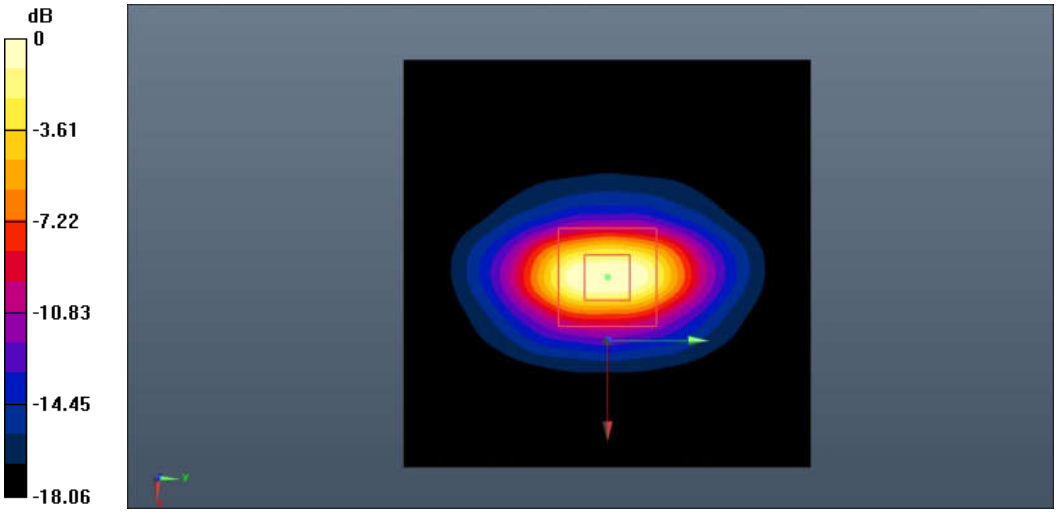

0 dB = 12.4 W/kg = 10.93 dB W/kg

**Fig.B.5. Validation 1900MHz 250mW**

**1900MHz**
Date: 2023-5-28
Electronics: DAE4 Sn786
Medium: Head 1900MHz
Medium parameters used: f = 1900 MHz; $\sigma$ = 1.414 S/m; $\varepsilon_r$ = 39.478; $\rho$ = 1000 kg/m$^3$
Communication System: CW_TMC Frequency: 1900 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.55, 8.55, 8.55)

**System Validation/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 83.739 V/m; Power Drift = 0.02 dB
**SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.13 W/kg**
Maximum value of SAR (interpolated) = 12.0 W/kg

**System Validation/Zoom Scan (7x7x7)/Cube0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 83.739 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 24.8 W/kg
**SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.18 W/kg**
Maximum value of SAR (measured) = 12.3 W/kg



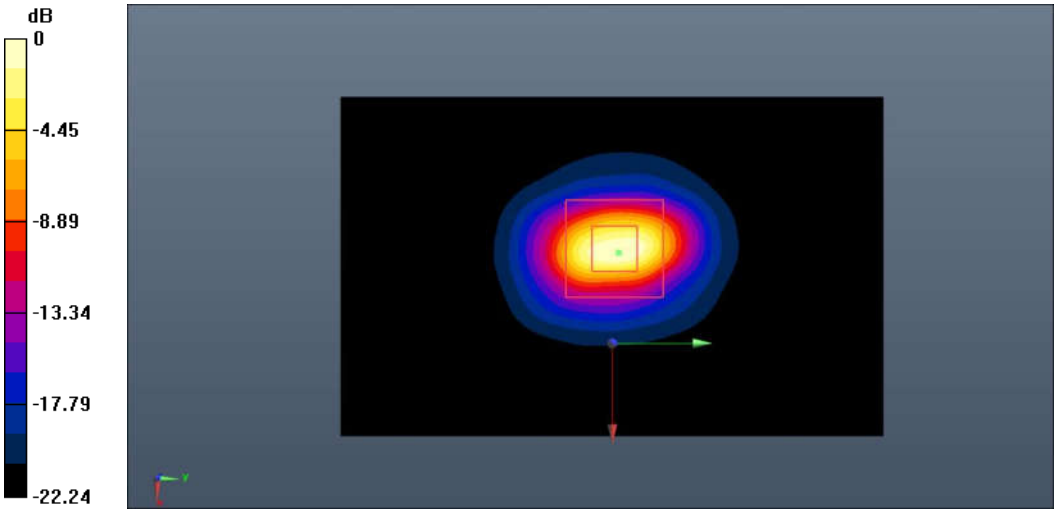

0 dB = 12.3 W/kg = 10.90 dB W/kg

**Fig.B.6. Validation 1900MHz 250mW**

**2450MHz**
Date: 2023-6-5
Electronics: DAE4 Sn786
Medium: Head 2450MHz
Medium parameters used: f = 2450 MHz; $\sigma$ = 1.841 S/m; $\varepsilon_r$ = 38.325; $\rho$ = 1000 kg/m$^3$
Communication System: CW_TMC Frequency: 2450 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.02, 8.02, 8.02)

**System Validation/Area Scan (81x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 92.756 V/m; Power Drift = 0.15 dB
**SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.12 W/kg**
Maximum value of SAR (interpolated) = 15.6 W/kg

**System Validation/Zoom Scan (7x7x7)/Cube0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.756 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 32.4 W/kg
**SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.23 W/kg**
Maximum value of SAR (measured) = 15.8 W/kg



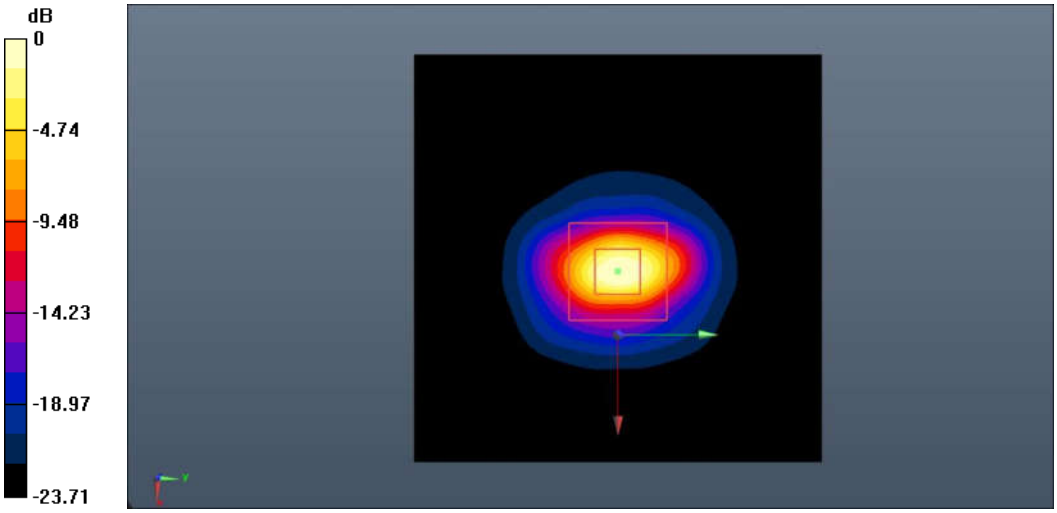

0 dB = 15.8 W/kg = 11.99 dB W/kg

**Fig.B.7. Validation 2450MHz 250mW**

**2550MHz**
Date: 2023-5-17
Electronics: DAE4 Sn786
Medium: Head 2550MHz
Medium parameters used: f = 2550 MHz; $\sigma$ = 1.958 S/m; $\varepsilon_r$ = 38.055; $\rho$ = 1000 kg/m$^3$
Communication System: CW_TMC Frequency: 2550 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.02, 8.02, 8.02)

**System Validation/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 95.234 V/m; Power Drift = 0.12 dB
**SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.36 W/kg**
Maximum value of SAR (interpolated) = 16.3 W/kg

**System Validation/Zoom Scan (7x7x7)/Cube0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 95.234 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 33.7 W/kg
**SAR(1 g) = 14.5 W/kg; SAR(10 g) = 6.49 W/kg**
Maximum value of SAR (measured) = 16.6 W/kg



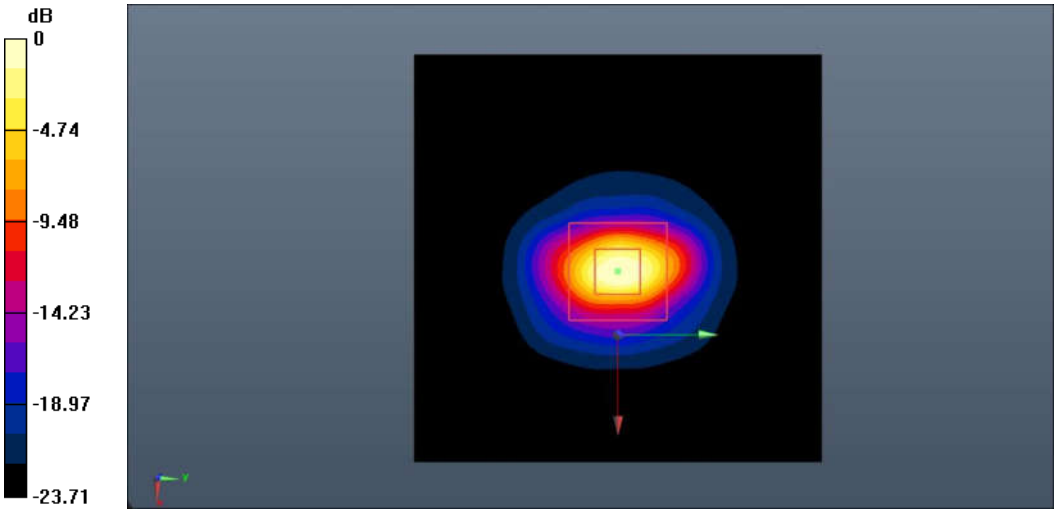

0 dB = 16.6 W/kg = 12.20 dB W/kg

**Fig.B.8. Validation 2550MHz 250mW**

**2550MHz**
Date: 2023-5-19
Electronics: DAE4 Sn786
Medium: Head 2550MHz
Medium parameters used: f = 2550 MHz; $\sigma$ = 1.949 S/m; $\varepsilon_r$ = 38.331; $\rho$ = 1000 kg/m$^3$
Communication System: CW_TMC Frequency: 2550 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.02, 8.02, 8.02)

**System Validation/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 93.766 V/m; Power Drift = 0.05 dB
**SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.29 W/kg**
Maximum value of SAR (interpolated) = 16.1 W/kg

**System Validation/Zoom Scan (7x7x7)/Cube0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.766 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 33.7 W/kg
**SAR(1 g) = 14.3 W/kg; SAR(10 g) = 6.37 W/kg**
Maximum value of SAR (measured) = 16.4 W/kg



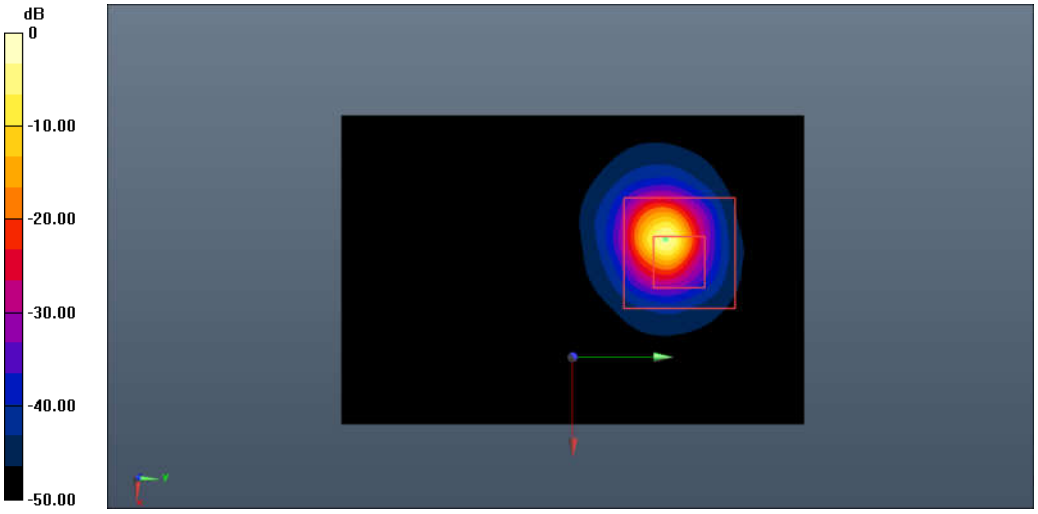

0 dB = 16.4 W/kg = 12.15 dB W/kg

**Fig.B.9. Validation 2550MHz 250mW**

**5250MHz**
Date: 2023-6-3
Electronics: DAE4 Sn786
Medium: Head 5250MHz
Medium parameters used: f = 5250 MHz; $\sigma$ = 4.645 S/m; $\varepsilon_r$ = 36.593; $\rho$ = 1000 kg/m$^3$
Communication System: CW_TMC Frequency: 5250 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (5.72, 5.72, 5.72)

**System Validation/Area Scan (61x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 63.384 V/m; Power Drift = -0.07 dB
**SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.25 W/kg**
Maximum value of SAR (interpolated) = 17.5 W/kg

**System Validation/Zoom Scan (8x8x21)/Cube0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 63.384 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 28.1 W/kg
**SAR(1 g) = 7.64 W/kg; SAR(10 g) = 2.22 W/kg**
Maximum value of SAR (measured) = 17.3 W/kg



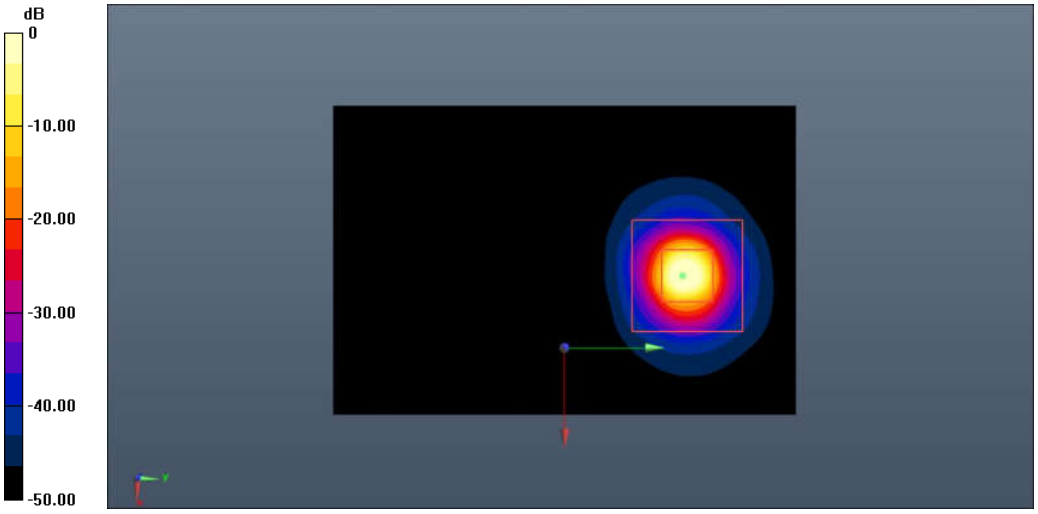

0 dB = 17.3 W/kg = 12.38 dB W/kg

**Fig.B.10. Validation 5250MHz 100mW**

**5600MHz**
Date: 2023-6-3
Electronics: DAE4 Sn786
Medium: Head 5600MHz
Medium parameters used: f = 5600 MHz; $\sigma$ = 5.017 S/m; $\varepsilon_r$ = 35.929; $\rho$ = 1000 kg/m$^3$
Communication System: CW_TMC Frequency: 5600 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (5.13, 5.13, 5.13)

**System Validation/Area Scan (61x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 67.258 V/m; Power Drift = -0.05 dB
**SAR(1 g) = 8.08 W/kg; SAR(10 g) = 2.34 W/kg**
Maximum value of SAR (interpolated) = 19.9 W/kg

**System Validation/Zoom Scan (8x8x21)/Cube0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 67.258 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 31.2 W/kg
**SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.31 W/kg**
Maximum value of SAR (measured) = 19.6 W/kg



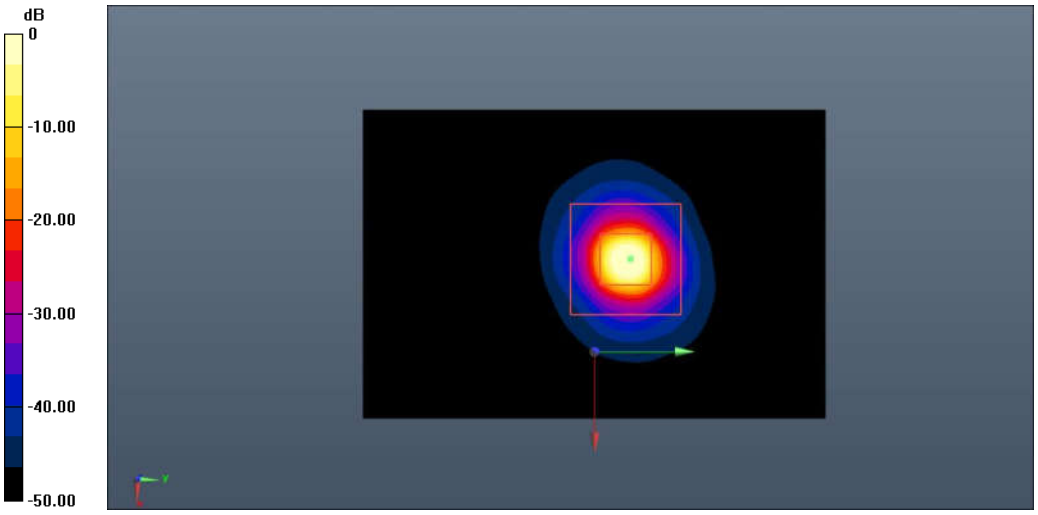

0 dB = 19.6 W/kg = 12.92 dB W/kg

**Fig.B.11. Validation 5600MHz 100mW**

**5750MHz**
Date: 2023-6-3
Electronics: DAE4 Sn786
Medium: Head 5750MHz
Medium parameters used: f = 5750 MHz; $\sigma$ = 5.309 S/m; $\varepsilon_r$ = 34.567; $\rho$ = 1000 kg/m$^3$
Communication System: CW_TMC Frequency: 5750 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (5.23, 5.23, 5.23)

**System Validation/Area Scan (61x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 68.375 V/m; Power Drift = 0.11 dB
**SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.21 W/kg**
Maximum value of SAR (interpolated) = 20.1 W/kg

**System Validation/Zoom Scan (8x8x21)/Cube0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 66.384 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 32.5 W/kg
**SAR(1 g) = 8.11 W/kg; SAR(10 g) = 2.25 W/kg**
Maximum value of SAR (measured) = 20.3 W/kg



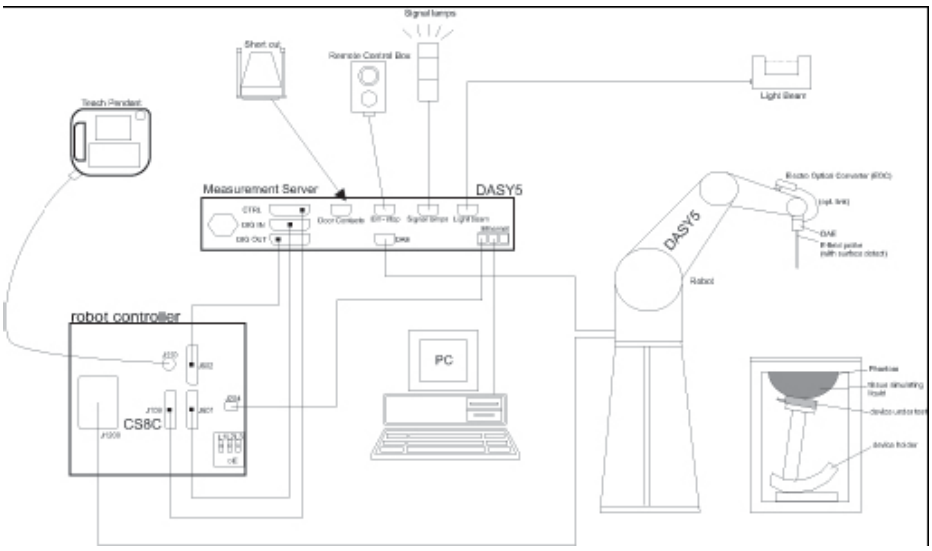

0 dB = 20.3 W/kg = 13.07 dB W/kg

**Fig.B.12. Validation 5750MHz 100mW**

# ANNEX C: SAR Measurement Setup

## C.1. Measurement Set-up

DASY5 system for performing compliance tests is illustrated above graphically. This system consists of the following items:




**Picture C.1 SAR Lab Test Measurement Set-up**

- A standard high precision 6-axis robot (Stäubli TX=RX family) 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 WinXP and the DASY5 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.

## C.2. DASY5 E-field Probe System

The SAR measurements were conducted with the dosimetric probe designed in the classical triangular configuration and optimized for dosimetric evaluation. The probe is constructed using the thick film technique; with printed resistive lines on ceramic substrates. The probe is equipped with an optical multifiber line ending at the front of the probe tip. It is connected to the EOC box on the robot arm and provides an automatic detection of the phantom surface. Half of the fibers are connected to a pulsed infrared transmitter, the other half to a synchronized receiver. As the probe approaches the surface, the reflection from the surface produces a coupling from the transmitting to the receiving fibers. This reflection increases first during the approach, reaches maximum and then decreases. If the probe is flatly touching the surface, the coupling is zero. The distance of the coupling maximum to the surface is independent of the surface reflectivity and largely independent of the surface to probe angle. The DASY5 software reads the reflection durning a software approach and looks for the maximum using 2$^{nd}$ord curve fitting. The approach is stopped at reaching the maximum.

**Probe Specifications:**

| | |
|---|---|
| **Model:** | **ES3DV3, EX3DV4** |
| **Frequency** | **10MHz — 6.0GHz(EX3DV4)** |
| **Range:** | **10MHz — 4GHz(ES3DV3)** |
| **Calibration:** | **In head and body simulating tissue at Frequencies from 835 up to 5800MHz** |
| **Linearity:** | **± 0.2 dB(30 MHz to 6 GHz) for EX3DV4** |
| | **± 0.2 dB(30 MHz to 4 GHz) for ES3DV3** |
| **Dynamic Range:** | **10 mW/kg — 100W/kg** |
| **Probe Length:** | **330 mm** |
| **Probe Tip Length:** | **20 mm** |
| **Body Diameter:** | **12 mm** |
| **Tip Diameter:** | **2.5 mm (3.9 mm for ES3DV3)** |
| **Tip-Center:** | **1 mm (2.0mm for ES3DV3)** |
| **Application:** | **SAR Dosimetry Testing** |
| | **Compliance tests of mobile phones** |
| | **Dosimetry in strong gradient fields** |

**Picture C.2 Near-field Probe**

**Picture C.3 E-field Probe**

## C.3. E-field Probe Calibration

Each E-Probe/Probe Amplifier combination has unique calibration parameters. A TEM cell calibration procedure is conducted to determine the proper amplifier settings to enter in the probe parameters. The amplifier settings are determined for a given frequency by subjecting the probe to a known E-field density (1 mW/cm$^2$) using an RF Signal generator, TEM cell, and RF Power Meter.

The free space E-field from amplified probe outputs is determined in a test chamber. This calibration can be performed in a TEM cell if the frequency is below 1 GHz and inn a waveguide or other methodologies above 1 GHz for free space. For the free space calibration, the probe is placed in the volumetric center of the cavity and at the proper orientation with the field. The probe is then rotated 360 degrees until the three channels show the maximum reading. The power density readings equates to 1 mW/ cm$^2$.

E-field temperature correlation calibration is performed in a flat phantom filled with the appropriate simulated brain tissue. The E-field in the medium correlates with the temperature rise in the dielectric medium. For temperature correlation calibration a RF transparent thermistor-based temperature probe is used in conjunction with the E-field probe.

$$SAR = C\frac{\Delta T}{\Delta t}$$

Where:

$\Delta t$ = Exposure time (30 seconds),

C = Heat capacity of tissue (brain or muscle),

$\Delta T$ = Temperature increase due to RF exposure.

$$SAR = \frac{|E|^2 \cdot \sigma}{\rho}$$

Where:

σ = Simulated tissue conductivity,

ρ = Tissue density (kg/m$^3$).

## C.4. Other Test Equipment

### C.4.1. Data Acquisition Electronics (DAE)

The data acquisition electronics consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.

The mechanical probe mounting device includes two different sensor systems for frontal and sideways probe contacts. They are used for mechanical surface detection and probe collision detection.

The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

**PictureC.4: DAE**

### C.4.2. Robot

The SPEAG DASY system uses the high precision robots (DASY5: RX160L) type from Stäubli SA (France). For the 6-axis controller system, the robot controller version from Stäubli is used. The Stäubli robot series have many features that are important for our application:

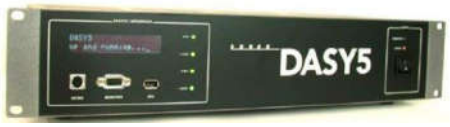
- High precision (repeatability 0.02mm)
- High reliability (industrial design)
- Low maintenance costs (virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements (brushless synchron motors; no stepper motors)
- Low ELF interference (motor control fields shielded via the closed metallic construction shields)


**Picture C.5 DASY 5**

### C.4.3. Measurement Server

The Measurement server is based on a PC/104 CPU broad with CPU (DASY5: 400 MHz, Intel Celeron), chipdisk (DASY5:128MB), RAM (DASY5:128MB). The necessary circuits for communication with the DAE electronic box, as well as the 16 bit AD converter system for optical detection and digital I/O interface are contained on the DASY I/O broad, which is directly connected to the PC/104 bus of the CPU broad.

The measurement server performs all real-time data evaluation of field measurements and surface detection, controls robot movements and handles safety operation. The PC operating system cannot interfere with these time critical processes. All connections are supervised by a watchdog, and disconnection of any of the cables to the measurement server will automatically disarm the robot and disable all program-controlled robot movements. Furthermore, the measurement server is equipped with an expansion port which is reserved for future applications. Please note that this expansion port does not have a standardized pinout, and therefore only devices provided by SPEAG can be connected. Devices from any other supplier could seriously damage the measurement server.




**Picture C.6 Server for DASY 5**

### C.4.4. Device Holder for Phantom

The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5mm distance, a positioning uncertainty of ±0.5mm would produce a SAR uncertainty of ±20%. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.

The DASY device holder is designed to cope with the different positions given in the standard. It has two scales for device rotation (with respect to the body axis) and device inclination (with respect to the line between the ear reference points). The rotation centers for both scales is the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.

The DASY device holder is constructed of low-loss

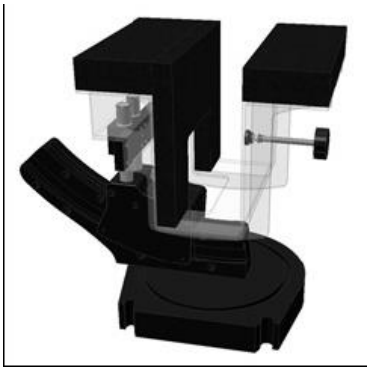
POM material having the following dielectric

parameters: relative permittivity $\varepsilon$ =3 and loss tangent $\delta$ =0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.

<Laptop Extension Kit>

The extension is lightweight and made of POM, acrylic glass and foam. It fits easily on the upper part of the Mounting Device in place of the phone positioner. The extension is fully compatible with the Twin-SAM and ELI phantoms.

Picture C.7-1: Device Holder



Picture C.7-2: Laptop Extension Kit

**C.4.5. Phantom**

The SAM Twin Phantom V4.0 is constructed of a fiberglass shell integrated in a table. The shape of the shell is based on data from an anatomical study designed to
Represent the 90$^{th}$ percentile of the population. The phantom enables the dissymmetric evaluation of SAR for both left and right handed handset usage, as well as body-worn usage using the flat phantom region. Reference markings on the Phantom allow the complete setup of all predefined phantom positions and measurement grids by manually teaching three points in the robot. The shell phantom has a 2mm shell thickness (except the ear region where shell thickness increases to 6 mm).

| | |
|---|---|
| Shell Thickness: | 2 ± 0. 2 mm |
| Filling Volume: | Approx. 25 liters |
| Dimensions: | 810 x l000 x 500 mm (H x L x W) |
| Available: | Special |

Picture C.8: SAM Twin Phantom