SAR EVALUATION REPORT

FCC 47 CFR § 2.1093
IEEE Std 1528-2013

For
SMARTPHONE

FCC ID: BCG-E3994A
Model Name: A2481

Report Number: 13573777-S1V6
Issue Date: 9/13/2021

Prepared for
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Prepared by
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ACCREDITED
CERT #0751.05

Revision History

Rev.	Date	Revisions	Revised By
V1	8/3/2021	Initial Issue	--
V2	8/5/2021	Section 9.9 – Updated tune-up power table	Devin Chang
V3	8/9/2021	Section 6.6 – Corrected LTE B25 power Section 9.7 – Corrected NR band n77 power Section 10.19 – Corrected Antenna designations for UL CA 48C Appendix I – Corrected P_{lim} for Ant 4	Dave Weaver
V4	8/11/2021	Section 9.4 – Corrected formatting for LTE B13 power table	Dave Weaver
V5	8/13/2021	Section 9.8 – Corrected Wi-Fi power table	Devin Chang
V6	9/13/2021	Section 6.5 – Corrected Typo	Lance Fleischer

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1. Attestation of Test Results

Applicant Name		APPLE INC.			
FCC ID		BCG-E3994A			
Model Name		A2481			
Applicable Standards		FCC 47 CFR § 2.1093 Published RF exposure KDB procedures IEEE Std 1528-2013			
Exposure Category		SAR Limits (W/Kg)			
		Peak spatial-average(1g of tissue)	Extremities (hands, wrists, ankles, etc.) (10g of tissue)		
General population / Uncontrolled exposure		1.6	4		
RF Exposure Conditions		Equipment Class - Highest Reported SAR (W/kg)			
		PCE	DTS	NII	DSS
Head		0.957	1.190	1.127	1.182
Body-worn (Dist.= 5 mm)		0.955	0.816	1.138	0.745
Hotspot (Dist.= 5 mm)		0.959	1.050	1.138	0.855
Simultaneous TX	Head	1.328	1.328	1.316	1.316
	Body-worn	1.425	1.425	1.424	1.424
	Hotspot	1.456	1.456	1.429	1.429
Date Tested		6/11/2021 to 8/3/2021			
Test Results		Pass			

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for the validity of results after the integration of the data provided by the customer.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, any agency of the Federal Government, or any agency of the U.S. government.

Approved & Released By:	Prepared By:
	
Devin Chang Senior Test Engineer UL Verification Services Inc.	Chakrit Thammanavarat Senior Test Engineer UL Verification Services Inc.

2. Test Specification, Methods and Procedures

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

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

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

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

3. Facilities and Accreditation

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

47173 Benicia Street	47266 Benicia Street
SAR Lab A	SAR Lab 1
SAR Lab B	SAR Lab 2
SAR Lab C	SAR Lab 3
SAR Lab D	SAR Lab 4
SAR Lab E	SAR Lab 5
SAR Lab F	SAR Lab 6
SAR Lab G	SAR Lab 8
SAR Lab H	SAR Lab 9
	SAR Lab 10
	SAR Lab 11
	SAR Lab 12
	SAR Lab 13
	SAR Lab 14
	SAR Lab 15
	SAR Lab 16

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

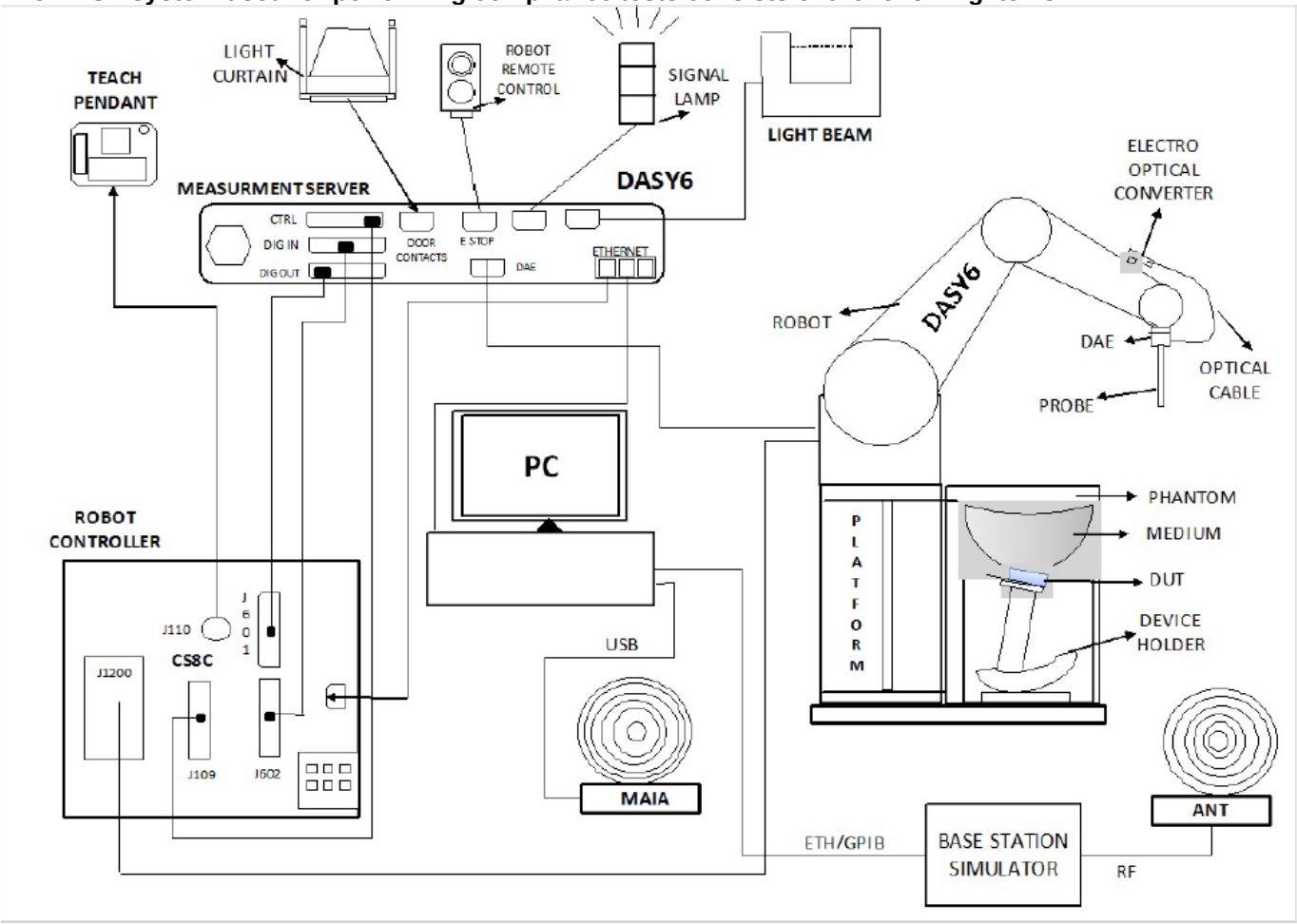
The Test Lab Conformity Assessment Body Identifier (CABID)

Location	CABID	Company Number
47173 Benicia Street, Fremont, CA, 94538 UNITED STATES	US0104	2324A
47266 Benicia Street, Fremont, CA, 94538 UNITED STATES		22541

4. SAR Measurement System & Test Equipment

4.1. SAR Measurement System

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



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Win7, Win10 and the DASY52[1] and DASY6[2] 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.

[1] DASY52 software used: DASY52.10.4 & S 14.6.14 and older generations.

[2] DASY6 software used: DASY6.14 & S 14.6.14 and older generations.

4.2. SAR Scan Procedures

Step 1: Power Reference Measurement

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

Step 2: Area Scan

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

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

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	½·δ·ln(2) ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}	≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

Step 3: Zoom Scan

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

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

			≤ 3 GHz	> 3 GHz
Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm

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.

* When zoom scan is required and the *reported* 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.

Step 4: Power drift measurement

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

4.3. Test Equipment

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

Dielectric Property Measurements

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Network Analyzer	Rohde & Schwarz	ZNLE6	101273	2/26/2022
Dielectric Probe kit	SPEAG	DAK-3.5	1087	11/12/2021
Shorting block	SPEAG	DAK-3.5 Short	SM DAK200BA	11/12/2021
Thermometer	Fischer Scientific	4242	150378159	8/5/2021
Network Analyzer	Rohde & Schwarz	ZNLE6	101274	2/26/2022
Dielectric Probe kit	SPEAG	DAK-3.5	1082	9/9/2021
Shorting block	SPEAG	DAK-3.5 Short	SM DAK200DA	9/9/2021
Thermometer	Control Company	15-078-179	170064398	7/30/2021 *

Note(s):

*Equipment not used past calibration due date.

System Check

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Signal Generator	Keysight Technologies	N5181A-506	MY50140610	1/21/2022
Power Meter	Keysight Technologies	N1912A	MY50001018	1/21/2022
Power Sensor	Keysight Technologies	N1921A	MY53020038	1/28/2022
DC Power Supply	Ametek	XT15-4	1802A01877	N/A
Amplifier	Miteq	AMF-4D-00400600-50-30P	1795092	N/A
Signal Generator	Rohde & Schwarz	SMB100A03	180969	2/16/2022
3-Path Diode Power Sensor	Rohde & Schwarz	NRP18A	100992	2/16/2022
Signal Generator	Rohde & Schwarz	SMB100A03	180970	2/16/2022
Power Meter	Keysight Technologies	437B	3125U11347	1/26/2022
3-Path Diode Power Sensor	Rohde & Schwarz	NRP18A	100995	2/26/2022
Bi-Directional Coupler	Werlatone	C8060-102	4063	N/A

Lab Equipment

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
E-Field Probe (SAR Lab A)	SPEAG	EX3DV4	3772	2/25/2022
E-Field Probe (SAR Lab B)	SPEAG	EX3DV4	3773	2/25/2022
E-Field Probe (SAR Lab C)	SPEAG	EX3DV4	3749	2/5/2022
E-Field Probe (SAR Lab D)	SPEAG	EX3DV4	7482	4/26/2022
E-Field Probe (SAR Lab E)	SPEAG	EX3DV4	7500	3/18/2022
E-Field Probe (SAR Lab F)	SPEAG	EX3DV4	7356	3/19/2022
E-Field Probe (SAR Lab G)	SPEAG	EX3DV4	3902	3/18/2022
E-Field Probe (SAR Lab H)	SPEAG	EX3DV4	7501	3/18/2022
E-Field Probe (SAR Lab 1)	SPEAG	EX3DV4	7569	4/26/2022
E-Field Probe (SAR Lab 2)	SPEAG	EX3DV4	7335	2/25/2022
E-Field Probe (SAR Lab 3)	SPEAG	EX3DV4	7585	4/27/2022
E-Field Probe (SAR Lab 4)	SPEAG	EX3DV4	3929	3/19/2022
E-Field Probe (SAR Lab 5)	SPEAG	EX3DV4	7498	3/18/2022
E-Field Probe (SAR Lab 6)	SPEAG	EX3DV4	3990	2/5/2022
E-Field Probe (SAR Lab 7)	SPEAG	EX3DV4	7587	4/27/2022
E-Field Probe (SAR Lab 8)	SPEAG	EX3DV4	7582	3/1/2022
E-Field Probe (SAR Lab 10)	SPEAG	EX3DV4	7448	2/26/2022
E-Field Probe (SAR Lab 12)	SPEAG	EX3DV4	3686	9/21/2021
E-Field Probe (SAR Lab 13)	SPEAG	EX3DV4	7581	3/1/2022
Data Acquisition Electronics (SAR Lab A)	SPEAG	DAE4	1359	1/28/2022
Data Acquisition Electronics (SAR Lab B)	SPEAG	DAE4	1357	1/28/2022
Data Acquisition Electronics (SAR Lab C)	SPEAG	DAE4	1380	8/19/2021
Data Acquisition Electronics (SAR Lab D)	SPEAG	DAE4	1547	4/19/2022
Data Acquisition Electronics (SAR Lab E)	SPEAG	DAE4	1540	1/27/2022
Data Acquisition Electronics (SAR Lab F)	SPEAG	DAE4	1433	2/24/2022
Data Acquisition Electronics (SAR Lab G)	SPEAG	DAE4	1258	3/18/2022
Data Acquisition Electronics (SAR Lab H)	SPEAG	DAE4	1544	1/27/2022
Data Acquisition Electronics (SAR Lab 1)	SPEAG	DAE4	1352	11/17/2021
Data Acquisition Electronics (SAR Lab 2)	SPEAG	DAE4	1377	9/10/2021
Data Acquisition Electronics (SAR Lab 3)	SPEAG	DAE4	1548	2/22/2022
Data Acquisition Electronics (SAR Lab 4)	SPEAG	DAE4	1439	7/16/2021 *
Data Acquisition Electronics (SAR Lab 4)	SPEAG	DAE4ip	1619	4/20/2022
Data Acquisition Electronics (SAR Lab 5)	SPEAG	DAE4	1239	7/29/2021 *
Data Acquisition Electronics (SAR Lab 6)	SPEAG	DAE4	1259	7/16/2021 *
Data Acquisition Electronics (SAR Lab 6)	SPEAG	DAE4ip	1618	4/20/2022
Data Acquisition Electronics (SAR Lab 7)	SPEAG	DAE4	1472	1/28/2022
Data Acquisition Electronics (SAR Lab 8)	SPEAG	DAE4	1248	2/19/2022
Data Acquisition Electronics (SAR Lab 10)	SPEAG	DAE4	1545	2/22/2022
Data Acquisition Electronics (SAR Lab 12)	SPEAG	DAE4	1434	10/12/2021
Data Acquisition Electronics (SAR Lab 13)	SPEAG	DAE4	1261	2/24/2022

Note(s):

*Equipment not used past calibration due date.

Lab Equipment

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
System Validation Dipole	SPEAG	D750V3	1071	11/26/2021
System Validation Dipole	SPEAG	D750V3	1024	5/11/2022
System Validation Dipole	SPEAG	D835V2	4d117	5/11/2022
System Validation Dipole	SPEAG	D835V2	4d142	8/18/2021
System Validation Dipole	SPEAG	D1750V2	1077	10/16/2021
System Validation Dipole	SPEAG	D1900V2	5d043	11/27/2021
System Validation Dipole	SPEAG	D1900V2	5d140	4/13/2022
System Validation Dipole	SPEAG	D1900V2	5d163	10/22/2021
System Validation Dipole	SPEAG	D2300V2	1002	4/13/2022
System Validation Dipole	SPEAG	D2300V2	1058	10/27/2021
System Validation Dipole	SPEAG	D2450V2	706	4/23/2022
System Validation Dipole	SPEAG	D2450V2	748	2/19/2022
System Validation Dipole	SPEAG	D2450V2	899	4/13/2022
System Validation Dipole	SPEAG	D2600V2	1006	10/20/2021
System Validation Dipole	SPEAG	D3500V2	1011	4/15/2022
System Validation Dipole	SPEAG	D3500V2	1060	2/25/2022
System Validation Dipole	SPEAG	D3700V2	1039	4/16/2022
System Validation Dipole	SPEAG	D3900V2	1052	8/3/2021
System Validation Dipole	SPEAG	D5GHzV2	1003	2/17/2022
System Validation Dipole	SPEAG	D5GHzV2	1168	11/27/2021

Note(s):

*Equipment not used past calibration due date.

OTHER

Name of Equipment	Manufacturer	Type/Model	T Number	Serial No.	Cal. Due Date
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	959	137873-WG	2/19/2022
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	268	124593-ss	2/26/2022
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	1871	164541	2/24/2022
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	978	137877-ms	2/16/2022
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	960	135384-pJ	2/28/2022
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	957	134852-cy	2/17/2022
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	948	135393-VQ	2/24/2022
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	375	132910-cp	2/17/2022
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	259	124594-HX	2/19/2022
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	953	135390-WS	2/19/2022
Power Meter	Keysight Technologies	N1912A	N/A	MY55196004	1/21/2022
Power Sensor	Keysight Technologies	N1921A	N/A	MY52270022	1/28/2022
Power Meter	Keysight Technologies	N1911A	N/A	MY55196015	1/20/2022
Power Sensor	Keysight Technologies	N1921A	N/A	MY52200012	1/28/2022

5. Measurement Uncertainty

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

Therefore, the measurement uncertainty is not required.

6. Device Under Test (DUT) Information

6.1. DUT Description

The Apple iPhone is a smartphone with multimedia functions (music, application support, and video), cellular GSM, GPRS, EGPRS, UMTS, LTE, 5G, CDMA, IEEE 802.11a/b/g/n/ac/ax, Bluetooth, Ultra-Wideband, GPS, and NFC. All models support at least one UICC based SIM. The second SIM is either an UICC based p-SIM (physical SIM) or e-SIM (electronic SIM). The device supports a built-in inductive charging transmitter and receiver. The rechargeable battery is not user accessible.

The device utilizes two power modes: Mode A(DSI=0) and Mode B(DSI=1). Power selection is determined by the device's positioning and use case as described in Sec. 10. Mode A power is used when the device is used against the user's head, or away from the body. Mode B is used when the device is used in a body-worn configuration by the user.

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

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

There are two vendors of the Wi-Fi/Bluetooth radio modules: variant 1 and variant 2. The Wi-Fi/BT radio modules have the same mechanical outline (e.g., the same package dimension and pin-out layout), use the same on-board antenna matching circuit, have an identical antenna structure, and are built and tested to conform to the same specifications and to operate within the same tolerances. It is confirmed that Variant 1 represents the worst case.

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

Device Dimension	Overall (Length x Width): 131.5 mm x 64.2 mm Overall Diagonal: 144.78 mm (5.7 inch) Display Diagonal: 137.67 mm (5.42 inch)
Back Cover	The Back Cover is not removable
Battery Options	The rechargeable battery is not user accessible.
Accessory	Headset
Wireless Router (Hotspot)	Wi-Fi Hotspot mode permits the device to share its WWAN data connection with other Wi-Fi-enabled devices. ☒ Mobile Hotspot (Wi-Fi 2.4 GHz) ☒ Mobile Hotspot (Wi-Fi 5.2/5.8 GHz)
AirPlay	AirPlay mode enabled devices transfer data directly between each other ☒ AirPlay (Wi-Fi 2.4 GHz) ☒ AirPlay (Wi-Fi 5 GHz)
Bluetooth Tethering (Hotspot)	BT Tethering mode permits the device to share its cellular data connection with other devices. ☒ BT Tethering (Bluetooth 2.4 GHz)

6.2. Wireless Technologies

Wireless technologies	Frequency bands	Operating mode		Duty Cycle used for SAR testing
GSM	850 1900	Voice (GMSK) GPRS (GMSK) EDGE (8PSK)	GSM Class : B Multi-Slot Class: Class 10 - 2 Up, 4 Down	GSM Voice: 12.5% (E)GPRS: 1 Slot: 12.5% 2 Slots: 25%
		Does this device support DTM (Dual Transfer Mode)? ☐ Yes ☒ No		
CDMA (CDMA2000)	BC0 BC1 BC10	1xRTT (Voice & Data) 1xEV-DO Rel. 0 1xEV-DO Rev. A 1xAdvanced		100%
		Does this device support SV-DO (1xRTT-1xEVDO)? ☐ Yes ☒ No		
W-CDMA (UMTS)	Band 2 Band 4 Band 5	UMTS Rel. 99 (Voice & Data) HSDPA (Rel. 5) HSUPA (Rel. 6) HSPA+ (Rel. 7) DC-HSDPA (Rel. 8)		100%
LTE[4]	FDD Band 2 FDD Band 4 FDD Band 5 FDD Band 7 FDD Band 12 FDD Band 13 FDD Band 14 FDD Band 17 FDD Band 25 FDD Band 26 FDD Band 29 (DL Only) FDD Band 30 TDD Band 41[2] TDD Band 46 (DL Only) TDD Band 48 FDD Band 66 FDD Band 71 **Carrier Aggregation**[3] FDD Band 5B FDD Band 7C TDD Band 41C[2] TDD Band 48C FDD Band 66B FDD Band 66C	QPSK 16QAM 64AQM 256QAM Carrier Aggregation (2 Uplinks and 6 Downlinks)		100% (FDD) 63.3% (TDD) Power Class 3 43.3% (TDD) Power Class 2 Refer to §6.4
		Does this device support SV-LTE (1xRTT-LTE)? ☐ Yes ☒ No		
5G NR (FR1)	FDD band n2 FDD band n5 FDD band n7 FDD band n12 FDD band n25 FDD band n30 TDD band n41[2] FDD band n66 FDD band n71 TDD band n77[2]	CP-OFDM: Pi/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM DFT-s-OFDM: QPSK, 16QAM, 64QAM, 256QAM		100% (FDD) 100% (TDD) Power Class 3 50% (TDD) Power Class 2
Wi-Fi	2.4 GHz[1]	802.11b 802.11g 802.11n (HT20) 802.11ac (HT20) 802.11ax (HE20)		99.87% (802.11b) 96.82% (802.11g/n/ac/ax 20MHz BW)
	5 GHz[1]	802.11a 802.11n (HT20) 802.11n (HT40) 802.11ac (VHT20) 802.11ac (VHT40)		98.76% (802.11a/n/ac 20MHz BW) 96.89% (802.11n/ac/ax 40MHz BW) 94.98% (802.11n/ac/ax 80MHz BW)

		802.11ac (VHT80) 802.11ax (HE20) 802.11ax (HE40) 802.11ax (HE80)	
		Does this device support bands 5.60 ~ 5.65 GHz? ☒ Yes ☐ No	
		Does this device support Band gap channel(s)? ☒ Yes ☐ No	
Bluetooth	2.4 GHz	BR, EDR, LE, and HDR	100%
NFC [4]	13.56 MHz	Type A/B/F and ISO15693	N/A
UWB [4] (Ultra-Wideband)	6.24 GHz and 8.2368 GHz	BPM-BPSK	N/A

Note(s):

1. Duty cycle for Wi-Fi and BT is referenced from the DTS and U-NII and BT reports.
2. This device supports Power Class 2 and Power Class 3.
3. LTE Uplink 2CA is the total combined power of the UL CA.
   LTE Uplink Cat 13, LTE 3GPP Rel-13 (LTE 3GPP Rel-14 for B41 PC2)
4. UWB and NFC RF exposure testing is categorically excluded.

6.3. General LTE SAR Test and Reporting Considerations

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

					795.5		
	Band 17	Frequency range: 704 - 716 MHz (BW = 12 MHz)					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz [1]	5 MHz [1]	3 MHz	1.4 MHz
	Low			23780/ 709	23755/ 706.5		
	Mid			**23790/ 710**	23790/ 710		
	High			23800/ 711	23825/ 713.5		
	Band 25	Frequency range: 1850 - 1915 MHz (BW = 65 MHz)					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low	**26140/ 1860**	26115/ 1857.5	26090/ 1855	26065/ 1852.5	26055/ 1851.5	26047/ 1850.7
	Mid	**26365/ 1882.5**	26365/ 1882.5	26365/ 1882.5	26365/ 1882.5	26365/ 1882.5	26365/ 1882.5
	High	**26590/ 1905**	26615/ 1907.5	26640/ 1910	26665/ 1912.5	26675/ 1913.5	26683/ 1914.3
	Band 26	Frequency range: 814 - 849 MHz (BW = 35 MHz)					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low			26740/ 819	26715/ 816.5	26705/ 815.5	26697/ 814.7
	Mid			26865/ 831.5	26865/ 831.5	26865/ 831.5	26865/ 831.5
	High			26990/ 844	27015/ 846.5	27025/ 847.5	27033/ 848.3
	Band 30	Frequency range: 2305 - 2315 MHz (BW = 10 MHz)					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz [1]	5 MHz [1]	3 MHz	1.4 MHz
	Low				27685/ 2307.5		
	Mid			**27710/ 2310**	27710/ 2310		
	High				27735/ 2312.5		
	Band 41[2]	Frequency range: 2496 - 2690 MHz (BW = 194 MHz)					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low	**39750 / 2506.0**					
	Low-Mid	**40185 / 2549.5**					
	Mid	**40620 / 2593.0**					
	Mid-High	**41055 / 2636.5**					
	High	**41490 / 2680.0**					
	Band 48	Frequency range: 3550 - 3700 MHz (BW = 150 MHz)					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low	**55340/ 3560**	55315/ 3557.5	55290/ 3555	55265/ 3552.5		
	Mid-Low	**55773/ 3603.3**	55765/ 3602.5	55757/ 3601.7	55748/ 3600.8		
	Mid-High	**56207/ 3646.7**	56215/ 3647.5	56223/ 3648.3	56232/ 3649.2		
	High	**56640/ 3690**	56665/ 3692.5	56690/ 3695	56715/ 3697.5		
	Band 66	Frequency range: 1710 - 1780 MHz (BW = 70 MHz)					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low	**132072/ 1720**	132047/ 1717.5	132022/ 1715	131997/ 1712.5	131987/ 1711.5	131979/ 1710.7
	Mid	**132322/ 1745**	132322/ 1745	132322/ 1745	132322/ 1745	132322/ 1745	132322/ 1745
	High	**132572/ 1770**	132597/ 1772.5	132622/ 1775	132647/ 1777.5	132657/ 1778.5	132665/ 1779.3

	Band 71	Frequency range: 663 - 698 MHz (BW = 35 MHz)					
		Channel Bandwidth					
		20 MHz [1]	15 MHz [1]	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low	133222/ 673	133197/ 670.5	133172/ 668	133147/ 665.5		
	Mid	**133297/ 680.5**	133297/ 680.5	133297/ 680.5	133297/ 680.5		
	High	133372/ 688	133397/ 690.5	133422/ 693	133447/ 695.5		

LTE transmitter and antenna implementation	LTE can transmit from either ANT1, ANT2, ANT3, ANT4, ANT7, ANT8, and ANT9 Then antenna switching is implemented with a physical, "break-before-make" switch such that only one antenna can be used for LTE transmission at a time.
Maximum power reduction (MPR)	**Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3**

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

MPR Built-in by design
The manufacturer MPR values are always within the 3GPP maximum MPR allowance but may not follow the default MPR values.
A-MPR (additional MPR) was disabled during SAR testing

Spectrum plots for RB configurations	A properly configured base station simulator was used for the SAR and power measurements; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report.

Notes:

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

6.4. LTE (TDD) Considerations

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

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

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

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

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

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

Calculated Duty Cycle = Extended cyclic prefix in uplink * (T_s) * # of S + # of U / period

Note(s):

This device supports uplink-downlink configurations 0-6. The configuration with highest duty cycle was used for SAR Testing: configuration 0 at 63.3%(Power Class 3) and configuration 1 at 43.3%(Power Class 2) duty cycle.

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

n2	SCS (kHz)	Frequency range: 1850 - 1910 MHz (BW = 60 MHz)												
		Channel Bandwidth (MHz)												
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	15										372000 /1860	371500 /1857.5	371000 /1855	370500 /1852.5
Mid	15										376000 /1880	376000 /1880	376000 /1880	376000 /1880
High	15										380000 /1900	380500 /1902.5	381000 /1905	381500 /1907.5
n5	SCS (kHz)	Frequency range: 824 - 849 MHz (BW = 25 MHz)												
		Channel Bandwidth (MHz)												
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	15										166800 /834	166300 /831.5	165800 /829	165300 /826.5
Mid	15										167300 /836.5	167300 /836.5	167300 /836.5	167300 /836.5
High	15										167800 /839	168300 /841.5	168800 /844	169300 /846.5
n7	SCS (kHz)	Frequency range: 2500 - 2570 MHz (BW = 70 MHz)												
		Channel Bandwidth (MHz)												
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	15							504000 /2520	503000 /2515	502500 /2512.5	502000 /2510	501500 /2507.5	501000 /2505	500500 /2502.5
Mid	15							507000 /2535	507000 /2535	507000 /2535	507000 /2535	507000 /2535	507000 /2535	507000 /2535
High	15							510000 /2550	511000 /2555	511500 /2557.5	512000 /2560	512500 /2562.5	513000 /2565	513500 /2567.5
n12	SCS (kHz)	Frequency range: 699 - 716 MHz (BW = 17 MHz)												
		Channel Bandwidth (MHz)												
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	15											141300 /706.5	140800 /704	140300 /701.5
Mid	15											141500 /707.5	141500 /707.5	141500 /707.5
High	15											141700 /708.5	142200 /711	142700 /713.5
n25	SCS (kHz)	Frequency range: 1850 - 1915 MHz (BW = 65 MHz)												
		Channel Bandwidth (MHz)												
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	15							374000 /1870	373000 /1865	372500 /1862.5	372000 /1860	371500 /1857.5	371000 /1855	370500 /1852.5
Mid	15							376500 /1882.5	376500 /1882.5	376500 /1882.5	376500 /1882.5	376500 /1882.5	376500 /1882.5	376500 /1882.5
High	15							379000 /1895	380000 /1900	380500 /1902.5	381000 /1905	381500 /1907.5	382000 /1910	382500 /1912.5
n30	SCS (kHz)	Frequency range: 2305 - 2315 MHz (BW = 10 MHz)												
		Channel Bandwidth (MHz)												
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	15													461500 /2307.5
Mid	15												462000 /2310	462000 /2310
High	15													462500 /2312.5
n41	SCS (kHz)	Frequency range: 2496 - 2690 MHz (BW = 194 MHz)												
		Channel Bandwidth (MHz)												
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	30	509196 /2545.98	508200 /2541	507198 /2535.99		505200 /2526	504198 /2520.99	503196 /2515.98	502200 /2511		501198 /2505.99			
Low -Mid	30	513900 /2569.5	513396 /2566.98	512898 /2564.49		511896 /2559.48	511398 /2556.99	510900 /2554.5	510396 /2551.98		509898 /2549.49			
Mid	30	518598 /2592.99	518598 /2592.99	518598 /2592.99		518598 /2592.99	518598 /2592.99	518598 /2592.99	518598 /2592.99		518598 /2592.99			
Mid-High	30	523296 /2616.48	523800 /2619	524298 /2621.49		525300 /2626.5	525798 /2628.99	526296 /2631.48	526800 /2634		527298 /2636.49			
High	30	527994 /2639.97	528996 /2644.98	529998 /2649.99		531996 /2659.98	532998 /2664.99	533994 /2669.97	534996 /2674.98		535998 /2679.99			
n66	SCS (kHz)	Frequency range: 1710 - 1780 MHz (BW = 70 MHz)												
		Channel Bandwidth (MHz)												
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	15							346000 /1730	345000 /1725		344000 /1720	343500 /1717.5	343000 /1715	342500 /1712.5
Mid	15							349000 /1745	349000 /1745		349000 /1745	349000 /1745	349000 /1745	349000 /1745
High	15							352000 /1760	353000 /1765		354000 /1770	354500 /1772.5	355000 /1775	355500 /1777.5
n71	SCS (kHz)	Frequency range: 663 - 698 MHz (BW = 35 MHz)												
		Channel Bandwidth (MHz)												
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	15										134600 /673	134100 /670.5	133600 /668	133100 /665.5
Mid	15										136100 /680.5	136100 /680.5	136100 /680.5	136100 /680.5
High	15										137600 /688	138100 /690.5	138600 /693	139100 /695.5

n77	SCS (kHz)	Block A Frequency range: 3450 - 3550 MHz (BW = 100 MHz)											
		Channel Bandwidth (MHz)											
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	30	633332 /3499.98	633000 /3495	632666 /3489.99	632332 /3484.98	632000 /3480	631666 /3474.99	631332 /3469.98	631000 /3465		630666 /3459.99			
Mid	30	633332 /3499.98	633332 /3499.98	633332 /3499.98	633332 /3499.98	633332 /3499.98	633332 /3499.98	633332 /3499.98	633332 /3499.98		633332 /3499.98			
High	30	633332 /3499.98	633666 /3504.99	633998 /3509.97	634332 /3514.98	634666 /3519.99	634998 /3524.97	635332 /3529.98	635666 /3534.99		635998 /3539.97			
n77	SCS (kHz)	Block C Frequency range: 3700 - 3980 MHz (BW = 280 MHz)											
		Channel Bandwidth (MHz)											
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	30	649998 /3749.97	649666 /3744.99	649332 /3739.98	648998 /3734.97	648666 /3729.99	648332 /3724.98	647998 /3719.97	647666 /3714.99		647332 /3709.98			
Low -Mid	30	652998 /3794.97	652832 /3792.48	652666 /3789.99	652498 /3787.47	652332 /3784.98	652166 /3782.49	651998 /3779.97	651832 /3777.48		651666 /3774.99			
Mid	30	656000 /3840	656000 /3840	656000 /3840	656000 /3840	656000 /3840	656000 /3840	656000 /3840	656000 /3840		656000 /3840			
Mid-High	30	658998 /3884.97	659166 /3887.49	659332 /3889.98	659498 /3892.47	659666 /3894.99	659832 /3897.48	659998 /3899.97	660166 /3902.49		660332 /3904.98			
High	30	661998 /3929.97	662332 /3934.98	662666 /3939.99	662998 /3944.97	663332 /3949.98	663666 /3954.99	663998 /3959.97	664332 /3964.98		664666 /3969.99			

SCS	15 kHz (n2, n5, n7, n12, n25, n30, n66, n71) 30 kHz (n41, n77)
NR(FR1) transmitter and antenna implementation	Refer to section 7 and Appendix A.
A-MPR(Additional MPR) disabled for SAR testing?	Yes
EN-DC Carrier Aggregation Possible Combinations	
LTE Anchor Bands for NR band n2	LTE Band 5/12/13/14/48/66
LTE Anchor Bands for NR band n5	LTE Band 2/7/30/48/66
LTE Anchor Bands for NR band n7	LTE Band 12
LTE Anchor Bands for NR band n12	LTE Band 2/30/66
LTE Anchor Bands for NR band n25	LTE Band 12/48/66
LTE Anchor Bands for NR band n30	LTE Band 5/12/14/66
LTE Anchor Bands for NR band n41	LTE Band 2/25/26/66
LTE Anchor Bands for NR band n66	LTE Band 2/5/7/12/13/14/30/48/71
LTE Anchor Bands for NR band n71	LTE Band 2/7/66
LTE Anchor Bands for NR band n77	LTE Band 2/5/7/12/13/14/30/41/66

Notes:

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

6.6. Time-Average Feature

The equipment under test (EUT) incorporates the Smart Transmit (SmartTX) SAR averaging algorithm provided by Qualcomm for cellular technologies. Smart Transmit controls the Tx power of the cellular-based wireless device in real-time to maintain the time-averaged Tx power, and in turn, time-averaged RF exposure, below the predefined time-average power limit characterized for each technology and band.

The purpose of the Part 1 test in this report is to demonstrate that the EUT meets the FCC SAR limits when transmitting in static transmission scenario at maximum allowable time-averaged power levels.

The Smart Transmit algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of SAR_design_target or PD_design_target, below the predefined time-average power limit, for each characterized technology and band.

Smart Transmit allows the device to transmit at higher power instantaneously as high as P_{max}, when needed, but enforces power limiting to maintain time-averaged transmit power to P_{limit}. Below table shows P_{limit} EFS settings and maximum tune up output power P_{max} configured for this EUT for various transmit conditions (DSI – Device State Index).

The maximum time-averaged output power (dBm) for any 2G/3G/4G/5G NR WWAN technology band, and DSI = minimum of "P_{limit} EFS" and "Maximum tune up output power P_{max}" includes device uncertainty.

SAR values in this report were scaled to the maximum time-averaged output power to determine compliance following KDB 447498 D01.

P_{design}	The power level that corresponds to the exposure design target (SAR_design_target) after accounting for all device design related uncertainties.
P_{limit}	Maximum tune-up output power for SAR Mode A and Mode B
P_{max}	Maximum tune-up output power for RF
SAR Characterization	Table containing P_{limit} for all technologies and bands

SAR Characterization

Exposure Scenario			Head				Body-worn & Hotspot				P_{max} (dBm) Tune-up power table	
Spatial-average			1g				1g					
Test Distance			0 mm				5 mm					
Power Mode (DSI)		factor	Mode A (DSI=0)				Mode B (DSI=1)					
Antenna	Tech/Band		P_{design} (dBm) corresponding to 1.0 W/kg (SAR design target)	P_{limit} (dBm) Tune-up power table	P_{design} (dBm) corresponding to 1.0 W/kg (SAR design target)	P_{limit} (dBm) Tune-up power table	P_{design} (dBm) corresponding to 1.0 W/kg (SAR design target)	P_{limit} (dBm) Tune-up power table	P_{design} (dBm) corresponding to 1.0 W/kg (SAR design target)	P_{limit} (dBm) Tune-up power table		
	Transmit Average		Burst Average		Frame Average		Burst Average		Frame Average		Burst Average	Frame Average
ANT1	GSM 850 2 slots[1]	0.25	37.50	32.50	31.48	26.48	33.51	32.50	27.49	26.48	32.50	26.48
	GSM 1900 2 slots[1]	0.25	34.15	30.50	28.13	24.48	24.71	24.30	18.69	18.28	31.00	24.98
	W-CDMA B2	1	26.89	24.20	26.89	24.20	17.58	17.30	17.58	17.30	25.70	25.70
	W-CDMA B4	1	27.20	25.00	27.20	25.00	20.78	20.50	20.78	20.50	25.70	25.70
	W-CDMA B5	1	30.39	25.70	30.39	25.70	25.80	25.40	25.80	25.40	25.70	25.70
	CDMA BC0	1	27.85	22.50	27.85	22.50	24.54	22.50	24.54	22.50	22.50	22.50
	CDMA BC1	1	27.29	25.00	27.29	25.00	20.71	20.50	20.71	20.50	25.70	25.70
	CDMA BC10	1	30.84	25.70	30.84	25.70	25.86	25.40	25.86	25.40	25.70	25.70
	LTE Band 5	1	30.78	25.70	30.78	25.70	25.94	25.40	25.94	25.40	25.70	25.70
	LTE Band 7	1	27.23	25.70	27.23	25.70	20.83	20.50	20.83	20.50	25.70	25.70
	LTE Band 12/17	1	32.68	25.70	32.68	25.70	28.34	25.70	28.34	25.70	25.70	25.70
	LTE Band 13	1	31.01	25.70	31.01	25.70	26.32	25.70	26.32	25.70	25.70	25.70
	LTE Band 14	1	30.63	25.70	30.63	25.70	25.89	25.70	25.89	25.70	25.70	25.70
	LTE Band 25/2	1	29.42	24.20	29.42	24.20	17.48	17.30	17.48	17.30	25.70	25.70
	LTE Band 26	1	31.20	25.70	31.20	25.70	25.77	25.40	25.77	25.40	25.70	25.70
	LTE Band 30	1	27.22	25.70	27.22	25.70	21.36	21.10	21.36	21.10	25.70	25.70
	LTE Band 41[1]	0.633	29.13	25.70	27.14	23.71	21.97	21.70	19.98	19.71	25.70	23.71
	LTE Band 66/4	1	28.32	25.00	28.32	25.00	20.86	20.50	20.86	20.50	25.70	25.70
	LTE Band 71	1	32.29	25.70	32.29	25.70	27.27	25.70	27.27	25.70	25.70	25.70
	NR n5	1	33.04	25.70	33.04	25.70	27.85	25.40	27.85	25.40	25.70	25.70
	NR n7	1	27.04	25.70	27.04	25.70	21.18	20.50	21.18	20.50	25.70	25.70
	NR n12	1	33.96	25.70	33.96	25.70	28.53	25.70	28.53	25.70	25.70	25.70
	NR n25/2	1	30.14	24.20	30.14	24.20	17.70	17.30	17.70	17.30	25.70	25.70
	NR n30	1	28.93	25.70	28.93	25.70	21.50	21.10	21.50	21.10	25.70	25.70
	NR n41[1]	1	29.38	25.70	29.38	25.70	21.66	19.70	21.66	19.70	25.70	25.70
	NR n66	1	29.89	25.00	29.89	25.00	20.77	20.50	20.77	20.50	25.70	25.70
	NR n71	1	34.29	25.70	34.29	25.70	29.84	25.70	29.84	25.70	25.70	25.70
ANT2	GSM 850 2 slots[1]	0.25	33.71	31.00	27.69	24.98	36.23	31.00	30.21	24.98	31.00	24.98
	GSM 1900 2 slots[1]	0.25	26.21	26.00	20.19	19.98	26.43	26.20	20.41	20.18	28.50	22.48
	W-CDMA B2	1	19.95	19.50	19.95	19.50	19.60	19.20	19.60	19.20	23.20	23.20
	W-CDMA B4	1	17.87	17.60	17.87	17.60	18.58	18.30	18.58	18.30	23.20	23.20
	W-CDMA B5	1	24.97	24.70	24.97	24.70	29.45	24.70	29.45	24.70	24.70	24.70
	CDMA BC0	1	23.17	22.00	23.17	22.00	26.67	22.00	26.67	22.00	22.00	22.00
	CDMA BC1	1	19.94	19.50	19.94	19.50	19.63	19.20	19.63	19.20	23.20	23.20
	CDMA BC10	1	25.03	24.70	25.03	24.70	27.38	24.70	27.38	24.70	24.70	24.70
	LTE Band 5	1	25.42	24.70	25.42	24.70	27.00	24.70	27.00	24.70	24.70	24.70
	LTE Band 7	1	18.58	18.20	18.58	18.20	19.44	19.00	19.44	19.00	22.70	22.70
	LTE Band 12/17	1	25.02	24.70	25.02	24.70	26.73	24.70	26.73	24.70	24.70	24.70
	LTE Band 13	1	25.82	24.70	25.82	24.70	27.90	24.70	27.90	24.70	24.70	24.70
	LTE Band 14	1	25.78	24.70	25.78	24.70	28.05	24.70	28.05	24.70	24.70	24.70
	LTE Band 25/2	1	19.83	19.50	19.83	19.50	19.68	19.20	19.68	19.20	23.20	23.20
	LTE Band 26	1	25.28	24.70	25.28	24.70	27.02	24.70	27.02	24.70	24.70	24.70
	LTE Band 30	1	19.79	19.60	19.79	19.60	20.74	20.50	20.74	20.50	22.70	22.70
	LTE Band 41[1]	0.633	19.48	18.70	17.49	16.71	21.55	20.80	19.56	18.81	24.50	22.51
	LTE Band 66/4	1	17.89	17.60	17.89	17.60	18.62	18.30	18.62	18.30	23.20	23.20
	LTE Band 71	1	26.10	24.70	26.10	24.70	27.75	24.70	27.75	24.70	24.70	24.70
	NR n5	1	27.63	24.70	27.63	24.70	28.64	24.70	28.64	24.70	24.70	24.70
	NR n7	1	19.09	18.20	19.09	18.20	19.56	19.00	19.56	19.00	22.70	22.70
	NR n12	1	27.13	24.70	27.13	24.70	28.49	24.70	28.49	24.70	24.70	24.70
	NR n25/2	1	20.53	19.50	20.53	19.50	20.09	19.20	20.09	19.20	23.20	23.20
	NR n30	1	20.42	19.60	20.42	19.60	21.39	20.50	21.39	20.50	22.70	22.70
	NR n41[1]	1	18.23	16.70	18.23	16.70	20.24	18.80	20.24	18.80	25.70	25.70
	NR n66	1	18.04	17.60	18.04	17.60	18.70	18.30	18.70	18.30	23.20	23.20
	NR n71	1	28.90	24.70	28.90	24.70	29.13	24.70	29.13	24.70	24.70	24.70

Exposure Scenario		factor	Head				Body-worn & Hotspot				P_{max} (dBm) Tune-up power table	
Spatial-average			1g				1g					
Test Distance			0 mm				5 mm					
Power Mode (DSI)			Mode A (DSI=0)				Mode B (DSI=1)					
Antenna	Tech/Band		P_{design} (dBm) corresponding to 1.0 W/kg (SAR_design_target)	P_{limit} (dBm) Tune-up power table	P_{design} (dBm) corresponding to 1.0 W/kg (SAR_design_target)	P_{limit} (dBm) Tune-up power table	P_{design} (dBm) corresponding to 1.0 W/kg (SAR_design_target)	P_{limit} (dBm) Tune-up power table	P_{design} (dBm) corresponding to 1.0 W/kg (SAR_design_target)	P_{limit} (dBm) Tune-up power table		
	Transmit Average		Burst Average		Frame Average		Burst Average		Frame Average		Burst Average	Frame Average
ANT3	GSM 1900 2 slots[1]	0.25	32.19	30.00	26.17	23.98	27.13	26.90	21.11	20.88	30.00	23.98
	W-CDMA B2	1	24.61	24.40	24.61	24.40	20.68	20.50	20.68	20.50	25.20	25.20
	W-CDMA B4	1	28.39	25.20	28.39	25.20	21.73	21.50	21.73	21.50	25.20	25.20
	LTE Band 7	1	24.09	23.70	24.09	23.70	19.33	18.90	19.33	18.90	25.20	25.20
	LTE Band 25/2	1	25.77	24.40	25.77	24.40	20.70	20.50	20.70	20.50	25.20	25.20
	LTE Band 30	1	25.05	22.30	25.05	22.30	19.91	19.70	19.91	19.70	22.30	22.30
	LTE Band 41[1]	0.633	25.49	25.20	23.50	23.21	21.10	20.80	19.11	18.81	25.20	23.21
	LTE Band 66/4	1	27.63	25.20	27.63	25.20	21.72	21.50	21.72	21.50	25.20	25.20
	NR n7	1	24.44	23.70	24.44	23.70	20.44	18.90	20.44	18.90	25.20	25.20
	NR n25/2	1	26.00	24.40	26.00	24.40	20.92	20.50	20.92	20.50	25.20	25.20
	NR n30	1	25.49	22.30	25.49	22.30	20.12	19.70	20.12	19.70	22.30	22.30
	NR n41[1]	1	24.13	23.30	24.13	23.30	20.01	18.80	20.01	18.80	24.70	24.70
	NR n66	1	29.08	25.20	29.08	25.20	22.49	21.50	22.49	21.50	25.20	25.20
ANT4	GSM 1900 2 slots[1]	0.25	26.49	26.10	20.46	20.08	28.59	28.00	22.57	21.98	28.00	21.98
	W-CDMA B2	1	20.25	19.60	20.25	19.60	22.21	22.00	22.21	22.00	23.20	23.20
	W-CDMA B4	1	20.55	20.30	20.55	20.30	21.76	21.50	21.76	21.50	23.20	23.20
	LTE Band 7	1	21.02	18.40	21.02	18.40	19.88	19.50	19.88	19.50	22.70	22.70
	LTE Band 25/2	1	19.83	19.60	19.83	19.60	22.23	22.00	22.23	22.00	23.20	23.20
	LTE Band 30	1	19.12	18.80	19.12	18.80	20.94	20.60	20.94	20.60	22.70	22.70
	LTE Band 41[1]	0.633	23.32	19.80	21.34	17.81	22.72	21.50	20.74	19.51	24.50	22.51
	LTE Band 48[1]	0.633	22.73	22.50	20.75	20.51	23.21	22.50	21.22	20.51	22.50	20.51
	LTE Band 66/4	1	20.57	20.30	20.57	20.30	21.70	21.50	21.70	21.50	23.20	23.20
	NR n7	1	21.26	18.40	21.26	18.40	20.80	19.50	20.80	19.50	22.70	22.70
	NR n25/2	1	20.07	19.60	20.07	19.60	22.37	22.00	22.37	22.00	23.20	23.20
	NR n30	1	19.32	18.80	19.32	18.80	20.97	20.60	20.97	20.60	22.70	22.70
	NR n41[1]	1	22.28	17.80	22.28	17.80	21.92	19.50	21.92	19.50	25.70	25.70
	NR n66	1	21.18	20.30	21.18	20.30	22.27	21.50	22.27	21.50	23.20	23.20
	NR n77[1]	1	20.23	20.00	20.23	20.00	19.91	19.50	19.91	19.50	24.00	24.00
ANT7	LTE Band 48[1]	0.633	30.13	25.70	28.15	23.71	22.09	21.90	20.11	19.91	25.70	23.71
	NR n77[1]	1	27.27	25.70	27.27	25.70	19.50	19.30	19.50	19.30	25.70	25.70
ANT8	LTE Band 48[1]	0.633	21.69	21.50	19.71	19.51	23.20	23.00	21.21	21.01	23.00	21.01
	NR n77[1]	1	19.69	19.50	19.69	19.50	21.15	20.50	21.15	20.50	24.00	24.00
ANT9	LTE Band 48[1]	0.633	27.32	25.20	25.33	23.21	22.30	22.10	20.31	20.11	25.20	23.21
	NR n77[1]	1	25.97	25.70	25.97	25.70	20.20	20.00	20.20	20.00	25.70	25.70

Note(s):

1. All P_{limit} EFS and maximum tune up output P_{max} levels entered in above Table correspond to average power levels after accounting for duty cycle in the case of TDD modulation schemes (for e.g., GSM & LTE TDD).
2. Measurement Condition: All conducted power and SAR measurements in this report (Part 1 test) were performed by setting Reserve_power_margin (Smart Transmit EFS entry) to 0 dB.
3. Only P_{limit} is considered for SAR Evaluation.

7. RF Exposure Conditions (Test Configurations)

This device has a total of 9 antennas. From Front of the device, antennas and supported frequencies are described and located as follows:

Antenna	Band	Rear	Front	Edge 1 (Top Edge)	Edge 2 (Right Edge)	Edge 3 (Bottom Edge)	Edge 4 (Left Edge)
ANT1	GSM 850/1900 WCDMA B2/4/5 CDMA BC0/1/10 LTE B2/4/5/7/12/13/14/17/25/26/30/41/66/71 5G(FR1) n2/n5/n7/n12/n25/n30/n41/n66/n71	Yes	Yes	No	Yes	Yes	Yes
ANT2	GSM 850/1900 WCDMA B2/4/5 CDMA BC0/1/10 LTE B2/4/5/7/12/13/14/17/25/26/30/41/66/71 5G(FR1) n2/n5/n7/n12/n25/n30/n41/n66/n71	Yes	Yes	Yes	Yes	No	Yes
ANT3	GSM 1900 WCDMA B2/4 LTE B2/4/7/25/30/41/66 5G(FR1) n2/n7/n25/n30/n41/n66 Wi-Fi 2.4GHz Bluetooth	Yes	Yes	No	No	Yes	Yes
ANT4	GSM 1900 WCDMA B2/4 LTE B2/4/7/25/30/41/48/66 5G(FR1) n2/n7/n25/n30/n41/n66/n77 Wi-Fi 2.4GHz Bluetooth	Yes	Yes	Yes	Yes	No	No
ANT5	Wi-Fi 5GHz	Yes	Yes	No	No	Yes	Yes
ANT6	Wi-Fi 5GHz	Yes	Yes	Yes	No	No	Yes
ANT7	LTE B48 5G(FR1) n77	Yes	Yes	No	Yes	Yes	No
ANT8	LTE B48 5G(FR1) n77	Yes	Yes	Yes	No	No	Yes
ANT9	LTE B48 5G(FR1) n77	Yes	Yes	No	No	Yes	Yes

Note(s):

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

8. Dielectric Property Measurements & System Check

8.1. Dielectric Property Measurements

The temperature of the tissue-equivalent medium used during measurement must also be within 18°C to 25°C and within ± 2°C of the temperature when the tissue parameters are characterized.
The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements. The parameters should be re-measured after each 3 – 4 days of use; or earlier if the dielectric parameters can become out of tolerance; for example, when the parameters are marginal at the beginning of the measurement series.
Tissue dielectric parameters were measured at the low, middle and high frequency of each operating frequency range of the test device.
The dielectric constant (εr) and conductivity (σ) of typical tissue-equivalent media recipes are expected to be within ± 5% of the required target values; but for SAR measurement systems that have implemented the SAR error compensation algorithms documented in IEEE Std 1528-2013, to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters, the tolerance for εr and σ may be relaxed to ± 10%. This is limited to frequencies ≤ 3 GHz.

Tissue Dielectric Parameters

FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

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

IEEE Std 1528-2013

Refer to Table 3 within the IEEE Std 1528-2013

IEC 62209-1

Refer to Table A.3 within the IEC 62209-1

Dielectric Property Measurements Results:

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
A	6/13/2021	1900	Head	1900	39.90	40.00	-0.25	1.45	1.40	3.43
				1850	39.99	40.00	-0.02	1.42	1.40	1.57
				1920	39.91	40.00	-0.23	1.46	1.40	3.93
A	6/16/2021	2600	Head	2600	38.26	39.01	-1.92	1.95	1.96	-0.67
				2495	38.46	39.14	-1.75	1.88	1.85	1.70
				2690	38.01	38.90	-2.28	2.02	2.06	-1.82
A	6/20/2021	2600	Head	2600	37.50	39.01	-3.87	1.90	1.96	-3.07
				2495	37.66	39.14	-3.79	1.83	1.85	-1.06
				2690	37.34	38.90	-4.00	1.97	2.06	-4.20
A	6/21/2021	1900	Head	1900	38.89	40.00	-2.78	1.40	1.40	0.00
				1850	38.92	40.00	-2.70	1.37	1.40	-2.29
				1920	38.89	40.00	-2.78	1.40	1.40	0.00
A	6/25/2021	1900	Head	1900	39.48	40.00	-1.30	1.45	1.40	3.86
				1850	39.49	40.00	-1.28	1.42	1.40	1.57
				1920	39.41	40.00	-1.48	1.46	1.40	4.21
A	6/29/2021	2450	Head	2450	37.48	39.20	-4.39	1.82	1.80	0.83
				2400	37.45	39.30	-4.70	1.77	1.75	1.28
				2480	37.38	39.16	-4.55	1.83	1.83	-0.19
A	6/30/2021	1750	Head	1750	38.81	40.08	-3.18	1.32	1.37	-3.87
				1710	38.92	40.15	-3.05	1.29	1.35	-4.41
				1755	38.81	40.08	-3.16	1.32	1.37	-3.70
A	7/6/2021	1750	Head	1750	40.16	40.08	0.19	1.35	1.37	-1.31
				1710	40.43	40.15	0.71	1.32	1.35	-1.66
				1755	39.93	40.08	-0.37	1.38	1.37	0.60
A	7/9/2021	1900	Head	1900	38.52	40.00	-3.70	1.43	1.40	1.93
				1850	38.57	40.00	-3.58	1.39	1.40	-0.57
				1920	38.45	40.00	-3.87	1.44	1.40	2.71
A	7/13/2021	1900	Head	1900	38.21	40.00	-4.48	1.40	1.40	0.14
				1850	38.28	40.00	-4.30	1.38	1.40	-1.71
				1920	38.18	40.00	-4.55	1.41	1.40	0.86
A	7/17/2021	1900	Head	1900	38.20	40.00	-4.50	1.45	1.40	3.50
				1850	38.23	40.00	-4.43	1.42	1.40	1.43
				1920	38.14	40.00	-4.65	1.46	1.40	3.93
A	7/21/2021	1900	Head	1900	38.99	40.00	-2.53	1.44	1.40	3.00
				1850	39.04	40.00	-2.40	1.42	1.40	1.07
				1920	38.96	40.00	-2.60	1.45	1.40	3.29
A	7/26/2021	1900	Head	1900	38.13	40.00	-4.67	1.45	1.40	3.79
				1850	38.02	40.00	-4.95	1.42	1.40	1.21
				1920	38.06	40.00	-4.85	1.43	1.40	2.43
A	7/26/2021	1750	Head	1750	38.30	40.08	-4.45	1.33	1.37	-2.85
				1710	38.23	40.15	-4.77	1.32	1.35	-1.96
				1755	38.78	40.08	-3.24	1.33	1.37	-3.05

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
B	6/13/2021	1750	Head	1750	39.30	40.08	-1.96	1.40	1.37	2.56
				1710	39.31	40.15	-2.08	1.37	1.35	1.68
				1755	39.29	40.08	-1.96	1.41	1.37	2.79
B	6/15/2021	2600	Head	2600	38.56	39.01	-1.16	1.94	1.96	-1.18
				2495	38.66	39.14	-1.23	1.86	1.85	0.34
				2690	38.56	38.90	-0.87	1.99	2.06	-3.42
B	6/17/2021	1750	Head	1750	41.43	40.08	3.36	1.43	1.37	4.60
				1710	41.46	40.15	3.27	1.39	1.35	3.46
				1755	41.44	40.08	3.40	1.44	1.37	4.68
B	6/21/2021	1750	Head	1750	38.31	40.08	-4.43	1.35	1.37	-1.53
				1710	38.39	40.15	-4.37	1.33	1.35	-1.44
				1755	38.30	40.08	-4.43	1.35	1.37	-1.52
B	6/25/2021	1750	Head	1750	38.94	40.08	-2.86	1.31	1.37	-4.23
				1710	39.05	40.15	-2.73	1.29	1.35	-4.49
				1755	38.94	40.08	-2.84	1.32	1.37	-4.07
B	6/29/2021	1750	Head	1750	38.39	40.08	-4.23	1.31	1.37	-4.31
				1710	38.44	40.15	-4.25	1.30	1.35	-3.74
				1755	38.40	40.08	-4.18	1.31	1.37	-4.29
B	7/6/2021	1750	Head	1750	39.83	40.08	-0.64	1.39	1.37	1.83
				1710	40.15	40.15	0.01	1.38	1.35	2.57
				1755	39.79	40.08	-0.72	1.40	1.37	1.76
B	7/10/2021	1750	Head	1750	39.74	40.08	-0.86	1.31	1.37	-4.67
				1710	39.78	40.15	-0.91	1.29	1.35	-4.34
				1755	39.74	40.08	-0.84	1.31	1.37	-4.65
B	7/14/2021	1750	Head	1750	39.23	40.08	-2.13	1.36	1.37	-1.02
				1710	39.35	40.15	-1.98	1.33	1.35	-1.37
				1755	39.26	40.08	-2.04	1.36	1.37	-0.93
B	7/19/2021	1750	Head	1750	41.08	40.08	2.48	1.42	1.37	3.36
				1710	41.01	40.15	2.15	1.40	1.35	3.76
				1755	41.11	40.08	2.58	1.42	1.37	3.22
B	7/23/2021	1750	Head	1750	39.83	40.08	-0.64	1.35	1.37	-1.17
				1710	39.90	40.15	-0.61	1.33	1.35	-0.92
				1755	39.83	40.08	-0.62	1.35	1.37	-1.37
B	7/27/2021	1750	Head	1750	38.18	40.08	-4.75	1.41	1.37	2.85
				1710	38.23	40.15	-4.77	1.38	1.35	2.72
				1755	38.16	40.08	-4.78	1.41	1.37	2.86

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
C	6/13/2021	1900	Head	1900	38.44	40.00	-3.90	1.44	1.40	3.14
				1850	38.46	40.00	-3.85	1.42	1.40	1.71
				1920	38.40	40.00	-4.00	1.45	1.40	3.57
C	6/14/2021	835	Head	835	40.87	41.50	-1.52	0.91	0.90	0.81
				805	40.99	41.68	-1.65	0.90	0.90	-0.13
				850	40.80	41.50	-1.69	0.91	0.92	-0.55
C	6/16/2021	1900	Head	1900	39.40	40.00	-1.50	1.46	1.40	4.00
				1850	39.03	40.00	-2.43	1.39	1.40	-1.07
				1920	39.60	40.00	-1.00	1.45	1.40	3.57
C	6/20/2021	1900	Head	1900	38.27	40.00	-4.32	1.43	1.40	2.43
				1850	38.34	40.00	-4.15	1.41	1.40	0.57
				1920	38.22	40.00	-4.45	1.44	1.40	2.71
C	6/24/2021	1900	Head	1900	39.14	40.00	-2.15	1.36	1.40	-2.71
				1850	39.43	40.00	-1.43	1.33	1.40	-4.93
				1920	39.01	40.00	-2.48	1.38	1.40	-1.57
C	6/28/2021	1900	Head	1900	39.41	40.00	-1.48	1.42	1.40	1.43
				1850	39.50	40.00	-1.25	1.37	1.40	-2.43
				1920	39.37	40.00	-1.58	1.44	1.40	2.64
C	7/2/2021	1900	Head	1900	38.78	40.00	-3.05	1.46	1.40	3.93
				1850	39.00	40.00	-2.50	1.42	1.40	1.14
				1920	38.91	40.00	-2.73	1.46	1.40	4.21
C	7/6/2021	1900	Head	1900	38.23	40.00	-4.43	1.41	1.40	0.71
				1850	38.42	40.00	-3.95	1.38	1.40	-1.57
				1920	38.19	40.00	-4.53	1.43	1.40	2.14
C	7/10/2021	1900	Head	1900	38.57	40.00	-3.58	1.40	1.40	0.14
				1850	38.73	40.00	-3.18	1.40	1.40	-0.36
				1920	38.37	40.00	-4.08	1.40	1.40	0.00
C	7/14/2021	1900	Head	1900	39.81	40.00	-0.47	1.43	1.40	2.07
				1850	40.02	40.00	0.05	1.36	1.40	-3.21
				1920	39.80	40.00	-0.50	1.45	1.40	3.86
C	7/19/2021	1900	Head	1900	39.85	40.00	-0.37	1.45	1.40	3.36
				1850	39.96	40.00	-0.10	1.43	1.40	2.36
				1920	39.75	40.00	-0.63	1.46	1.40	4.29
C	7/23/2021	1900	Head	1900	38.07	40.00	-4.83	1.43	1.40	2.43
				1850	38.13	40.00	-4.67	1.40	1.40	0.07
				1920	38.02	40.00	-4.95	1.44	1.40	3.00
C	7/24/2021	835	Head	835	39.63	41.50	-4.51	0.92	0.90	2.03
				805	39.66	41.68	-4.85	0.91	0.90	1.04
				850	39.58	41.50	-4.63	0.92	0.92	0.74
C	7/26/2021	1750	Head	1750	41.17	40.08	2.71	1.42	1.37	3.95
				1710	41.16	40.15	2.53	1.39	1.35	2.94
				1755	41.15	40.08	2.68	1.43	1.37	4.10
C	7/28/2021	835	Head	835	40.48	41.50	-2.46	0.92	0.90	2.24
				805	40.47	41.68	-2.90	0.89	0.90	-1.34
				850	40.55	41.50	-2.29	0.94	0.92	2.83

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
D	6/14/2021	2300	Head	2300	40.71	39.47	3.14	1.72	1.66	3.26
				2350	40.60	39.38	3.09	1.76	1.71	3.24
				2400	40.51	39.30	3.09	1.80	1.75	2.99
D	6/16/2021	2300	Head	2300	38.04	39.47	-3.63	1.67	1.66	0.50
				2350	37.42	39.38	-4.99	1.70	1.71	-0.45
				2400	37.74	39.30	-3.96	1.78	1.75	1.33
D	6/18/2021	2450	Head	2450	38.92	39.20	-0.71	1.83	1.80	1.39
				2400	38.95	39.30	-0.88	1.79	1.75	2.42
				2535	38.83	39.09	-0.67	1.89	1.89	-0.21
D	6/20/2021	2300	Head	2300	38.39	39.47	-2.74	1.66	1.66	-0.34
				2350	38.26	39.38	-2.86	1.72	1.71	0.55
				2400	38.18	39.30	-2.84	1.77	1.75	0.93
D	6/22/2021	2600	Head	2600	39.63	39.01	1.59	1.96	1.96	-0.31
				2495	39.82	39.14	1.73	1.85	1.85	0.13
				2690	39.95	38.90	2.71	2.04	2.06	-0.80
D	6/24/2021	2300	Head	2300	38.78	39.47	-1.75	1.67	1.66	0.50
				2350	38.88	39.38	-1.28	1.70	1.71	-0.68
				2400	38.77	39.30	-1.34	1.74	1.75	-0.72
D	6/28/2021	2300	Head	2300	38.96	39.47	-1.30	1.62	1.66	-2.69
				2350	38.79	39.38	-1.51	1.67	1.71	-2.50
				2400	38.76	39.30	-1.37	1.71	1.75	-2.32
D	7/2/2021	2300	Head	2300	41.14	39.47	4.22	1.72	1.66	3.38
				2350	41.12	39.38	4.41	1.76	1.71	2.77
				2400	40.95	39.30	4.21	1.79	1.75	2.13
D	7/6/2021	2300	Head	2300	39.85	39.47	0.96	1.68	1.66	1.04
				2350	39.60	39.38	0.55	1.74	1.71	1.95
				2400	39.32	39.30	0.06	1.80	1.75	2.53
D	7/10/2021	2300	Head	2300	38.87	39.47	-1.53	1.74	1.66	4.70
				2350	38.79	39.38	-1.51	1.78	1.71	4.23
				2400	38.70	39.30	-1.52	1.82	1.75	3.62
D	7/12/2021	2600	Head	2600	38.11	39.01	-2.31	1.95	1.96	-0.42
				2495	38.30	39.14	-2.15	1.86	1.85	0.67
				2690	37.97	38.90	-2.38	2.02	2.06	-2.01
D	7/13/2021	1750	Head	1750	39.27	40.08	-2.03	1.44	1.37	4.90
				1710	39.26	40.15	-2.21	1.41	1.35	4.57
				1755	39.27	40.08	-2.01	1.44	1.37	4.90
D	7/14/2021	2300	Head	2300	40.65	39.47	2.98	1.64	1.66	-1.73
				2350	40.47	39.38	2.76	1.69	1.71	-1.15
				2400	40.43	39.30	2.88	1.72	1.75	-2.04
D	7/18/2021	2300	Head	2300	39.11	39.47	-0.92	1.62	1.66	-2.39
				2350	39.00	39.38	-0.98	1.67	1.71	-1.97
				2400	39.07	39.30	-0.58	1.70	1.75	-2.83
D	7/22/2021	2300	Head	2300	38.12	39.47	-3.43	1.69	1.66	1.58
				2350	38.08	39.38	-3.31	1.73	1.71	1.54
				2400	37.96	39.30	-3.40	1.77	1.75	1.05
D	7/26/2021	2300	Head	2300	38.22	39.47	-3.17	1.65	1.66	-1.01
				2350	38.20	39.38	-3.01	1.69	1.71	-1.21
				2400	38.12	39.30	-2.99	1.72	1.75	-1.92

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
E	6/12/2021	2450	Head	2450	37.66	39.20	-3.93	1.85	1.80	2.50
				2400	37.83	39.30	-3.73	1.79	1.75	1.90
				2480	37.48	39.16	-4.30	1.87	1.83	2.00
E	6/16/2021	2450	Head	2450	37.73	39.20	-3.75	1.84	1.80	2.44
				2400	37.88	39.30	-3.61	1.79	1.75	2.08
				2480	37.57	39.16	-4.07	1.87	1.83	1.94
E	6/20/2021	2450	Head	2450	37.58	39.20	-4.13	1.81	1.81	0.00
				2400	37.51	39.30	-4.55	1.76	1.75	0.25
				2480	37.46	39.16	-4.35	1.82	1.83	-0.46
E	6/24/2021	2450	Head	2450	37.44	39.20	-4.49	1.74	1.80	-3.28
				2400	37.53	39.30	-4.50	1.67	1.75	-4.66
				2480	37.33	39.16	-4.68	1.76	1.83	-3.95
E	6/28/2021	2450	Head	2450	37.82	39.20	-3.52	1.78	1.80	-0.89
				2400	37.95	39.30	-3.43	1.74	1.75	-0.89
				2480	37.58	39.16	-4.04	1.81	1.83	-1.50
E	7/2/2021	2450	Head	2450	37.81	39.20	-3.55	1.83	1.80	1.50
				2400	37.94	39.30	-3.45	1.77	1.75	1.05
				2480	37.64	39.16	-3.89	1.85	1.83	0.85
E	7/6/2021	2450	Head	2450	40.27	39.20	2.73	1.88	1.80	4.28
				2400	40.40	39.30	2.81	1.81	1.75	3.39
				2480	40.13	39.16	2.47	1.90	1.83	3.63
E	7/10/2021	2450	Head	2450	37.67	39.20	-3.90	1.79	1.80	-0.50
				2400	37.75	39.30	-3.94	1.75	1.75	0.13
				2480	37.62	39.16	-3.94	1.81	1.83	-1.06
E	7/14/2021	2450	Head	2450	37.71	39.20	-3.80	1.86	1.80	3.06
				2400	38.05	39.30	-3.17	1.80	1.75	2.59
				2480	37.47	39.16	-4.32	1.90	1.83	3.69
E	7/18/2021	2450	Head	2450	37.48	39.20	-4.39	1.74	1.80	-3.17
				2400	37.65	39.30	-4.19	1.68	1.75	-4.03
				2480	37.34	39.16	-4.65	1.78	1.83	-3.13
E	7/22/2021	2450	Head	2450	39.91	39.20	1.81	1.88	1.80	4.44
				2400	40.03	39.30	1.87	1.82	1.75	3.79
				2480	29.77	39.16	1.55	1.91	1.83	3.96
E	7/26/2021	2450	Head	2450	39.24	39.20	0.10	1.81	1.80	0.67
				2400	39.44	39.30	0.36	1.77	1.75	1.05
				2480	39.09	39.16	-0.18	1.83	1.83	-0.02
E	7/30/2021	2450	Head	2450	38.35	39.20	-2.17	1.79	1.80	-0.78
				2400	38.62	39.30	-1.72	1.73	1.75	-1.18
				2480	38.12	39.16	-2.66	1.84	1.83	0.30

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
F	6/13/2021	5250	Head	5250	35.73	35.93	-0.57	4.54	4.70	-3.51
				5150	36.19	36.05	0.40	4.43	4.60	-3.76
				5350	35.32	35.82	-1.39	4.62	4.80	-3.94
F	6/13/2021	5600	Head	5600	34.89	35.53	-1.81	4.86	5.06	-4.04
				5500	34.95	35.65	-1.96	4.74	4.96	-4.40
				5725	35.04	35.39	-0.99	5.03	5.19	-3.14
F	6/13/2021	5750	Head	5750	35.09	35.36	-0.77	5.06	5.21	-2.95
				5700	35.03	35.42	-1.10	4.99	5.16	-3.28
				5850	35.42	35.30	0.34	5.19	5.27	-1.61
F	6/17/2021	5250	Head	5250	36.58	35.93	1.80	4.88	4.70	3.70
				5150	36.70	36.05	1.81	4.83	4.60	4.94
				5350	36.54	35.82	2.01	4.99	4.80	3.82
F	6/17/2021	5600	Head	5600	36.17	35.53	1.79	5.19	5.06	2.52
				5500	36.27	35.65	1.74	5.11	4.96	3.11
				5725	36.04	35.39	1.83	5.34	5.19	2.83
F	6/17/2021	5750	Head	5750	36.01	35.36	1.83	5.34	5.21	2.50
				5700	36.07	35.42	1.84	5.31	5.16	2.89
				5850	36.17	35.30	2.46	5.48	5.27	3.89
F	6/21/2021	5250	Head	5250	37.60	35.93	4.64	4.49	4.70	-4.62
				5150	37.75	36.05	4.72	4.39	4.60	-4.54
				5350	37.46	35.82	4.58	4.58	4.80	-4.59
F	6/21/2021	5600	Head	5600	37.13	35.53	4.49	4.83	5.06	-4.47
				5500	37.29	35.65	4.61	4.72	4.96	-4.74
				5725	36.94	35.39	4.38	4.99	5.19	-3.78
F	6/21/2021	5750	Head	5750	36.93	35.36	4.43	5.01	5.21	-3.83
				5700	37.00	35.42	4.46	4.95	5.16	-4.08
				5850	36.78	35.30	4.19	5.12	5.27	-2.79
F	6/25/2021	5250	Head	5250	36.19	35.93	0.71	4.54	4.70	-3.43
				5150	36.29	36.05	0.67	4.44	4.60	-3.43
				5350	36.24	35.82	1.18	4.66	4.80	-3.07
F	6/25/2021	5600	Head	5600	35.97	35.53	1.23	4.88	5.06	-3.48
				5550	35.98	35.59	1.09	4.82	5.01	-3.74
				5725	35.98	35.39	1.66	5.02	5.19	-3.24
F	6/25/2021	5750	Head	5750	36.02	35.36	1.86	5.05	5.21	-3.12
				5700	36.05	35.42	1.78	4.99	5.16	-3.38
				5850	36.03	35.30	2.07	5.11	5.27	-3.00
F	6/29/2021	5250	Head	5250	37.22	35.93	3.58	4.64	4.70	-1.36
				5150	37.36	36.05	3.64	4.53	4.60	-1.47
				5350	37.14	35.82	3.69	4.74	4.80	-1.45
F	7/2/2021	5250	Head	5250	36.55	35.93	1.72	4.69	4.70	-0.28
				5150	36.76	36.05	1.98	4.59	4.60	-0.32
				5350	36.29	35.82	1.31	4.81	4.80	0.03

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
F	7/6/2021	5250	Head	5250	35.63	35.93	-0.84	4.69	4.70	-0.17
				5150	35.80	36.05	-0.69	4.50	4.60	-2.10
				5350	35.79	35.82	-0.08	4.87	4.80	1.30
F	7/9/2021	5250	Head	5250	37.13	35.93	3.33	4.56	4.70	-3.02
				5150	37.28	36.05	3.42	4.46	4.60	-3.15
				5350	36.95	35.82	3.16	4.66	4.80	-2.92
F	7/13/2021	5250	Head	5250	36.12	35.93	0.52	4.78	4.70	1.61
				5150	36.11	36.05	0.17	4.66	4.60	1.37
				5350	36.03	35.82	0.59	4.88	4.80	1.51
F	7/17/2021	5250	Head	5250	37.59	35.93	4.61	4.88	4.70	3.72
				5150	37.73	36.05	4.67	4.76	4.60	3.48
				5350	37.43	35.82	4.50	4.94	4.80	2.82
F	7/21/2021	5250	Head	5250	37.51	35.93	4.39	4.79	4.70	1.76
				5150	37.68	36.05	4.53	4.67	4.60	1.57
				5350	37.34	35.82	4.25	4.90	4.80	2.03
F	7/26/2021	5250	Head	5250	36.72	35.93	2.19	4.70	4.70	-0.13
				5150	36.79	36.05	2.06	4.54	4.60	-1.24
				5350	36.58	35.82	2.12	4.79	4.80	-0.26

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
G	6/14/2021	2450	Head	2450	38.57	39.20	-1.61	1.86	1.80	3.33
				2400	38.55	39.30	-1.90	1.83	1.75	4.30
				2535	38.42	39.09	-1.72	1.91	1.89	0.96
G	6/14/2021	5250	Head	5250	34.88	35.93	-2.93	4.67	4.70	-0.60
				5150	35.02	36.05	-2.85	4.55	4.60	-1.13
				5350	34.80	35.82	-2.85	4.73	4.80	-1.51
G	6/14/2021	5600	Head	5600	34.26	35.53	-3.58	4.97	5.06	-1.88
				5500	34.43	35.65	-3.42	4.86	4.96	-1.91
				5725	34.07	35.39	-3.73	5.08	5.19	-2.07
G	6/14/2021	5750	Head	5750	33.99	35.36	-3.88	5.10	5.21	-2.22
				5700	34.18	35.42	-3.50	5.06	5.16	-2.08
				5850	33.92	35.30	-3.91	5.23	5.27	-0.85
G	6/18/2021	5250	Head	5250	35.97	35.93	0.10	4.52	4.70	-3.87
				5150	36.08	36.05	0.09	4.40	4.60	-4.32
				5350	35.83	35.82	0.03	4.63	4.80	-3.61
G	6/18/2021	5600	Head	5600	35.47	35.53	-0.18	4.87	5.06	-3.78
				5500	35.49	35.65	-0.44	4.82	4.96	-2.74
				5725	35.26	35.39	-0.37	5.01	5.19	-3.38
G	6/18/2021	5750	Head	5750	35.16	35.36	-0.57	5.04	5.21	-3.41
				5700	35.30	35.42	-0.34	4.99	5.16	-3.28
				5850	35.00	35.30	-0.85	5.15	5.27	-2.24
G	6/22/2021	5250	Head	5250	35.41	35.93	-1.46	4.86	4.70	3.27
				5150	35.62	36.05	-1.19	4.73	4.60	2.74
				5350	35.43	35.82	-1.09	4.91	4.80	2.22
G	6/22/2021	5600	Head	5600	34.90	35.53	-1.78	5.13	5.06	1.44
				5500	35.15	35.65	-1.40	5.04	4.96	1.55
				5725	34.62	35.39	-2.18	5.32	5.19	2.50
G	6/22/2021	5750	Head	5750	34.62	35.36	-2.10	5.36	5.21	2.71
				5700	34.60	35.42	-2.31	5.27	5.16	2.02
				5850	34.31	35.30	-2.80	5.44	5.27	3.19
G	6/26/2021	5600	Head	5600	34.48	35.53	-2.97	5.03	5.06	-0.68
				5500	34.58	35.65	-3.00	4.83	4.96	-2.60
				5725	34.40	35.39	-2.80	5.19	5.19	-0.02
G	6/30/2021	5600	Head	5600	36.92	35.53	3.90	4.94	5.06	-2.44
				5500	36.94	35.65	3.62	4.81	4.96	-2.98
				5725	36.70	35.39	3.70	5.11	5.19	-1.54
G	6/30/2021	2450	Head	2450	40.32	39.20	2.86	1.88	1.80	4.22
				2400	40.39	39.30	2.78	1.83	1.75	4.53
				2500	40.19	39.14	2.69	1.89	1.85	1.99
G	7/6/2021	5600	Head	5600	34.83	35.53	-1.98	5.07	5.06	0.19
				5500	35.43	35.65	-0.61	5.13	4.96	3.51
				5725	33.71	35.39	-4.75	5.10	5.19	-1.70

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
G	7/10/2021	5600	Head	5600	35.70	35.53	0.47	5.01	5.06	-1.05
				5500	36.10	35.65	1.27	4.90	4.96	-1.19
				5725	35.47	35.39	0.22	5.21	5.19	0.32
G	7/13/2021	5600	Head	5600	34.49	35.53	-2.94	5.15	5.06	1.83
				5500	34.76	35.65	-2.49	5.03	4.96	1.49
				5725	34.24	35.39	-3.25	5.32	5.19	2.62
G	7/17/2021	5600	Head	5600	36.27	35.53	2.07	4.86	5.06	-3.94
				5500	36.47	35.65	2.31	4.82	4.96	-2.84
				5725	35.93	35.39	1.52	4.93	5.19	-4.94
G	7/17/2021	5250	Head	5250	36.33	35.93	1.10	4.64	4.70	-1.39
				5150	36.52	36.05	1.31	4.52	4.60	-1.65
				5350	36.14	35.82	0.90	4.75	4.80	-1.09
G	7/21/2021	5600	Head	5600	37.16	35.53	4.58	5.03	5.06	-0.64
				5500	37.38	35.65	4.86	4.99	4.96	0.71
				5725	36.82	35.39	4.04	5.13	5.19	-1.22
G	7/25/2021	5600	Head	5600	35.73	35.53	0.55	4.90	5.06	-3.11
				5500	35.94	35.65	0.82	4.80	4.96	-3.17
				5725	35.50	35.39	0.31	5.04	5.19	-2.84
G	7/25/2021	5250	Head	5250	34.35	35.93	-4.41	4.62	4.70	-1.78
				5150	34.39	36.05	-4.60	4.49	4.60	-2.37
				5350	34.22	35.82	-4.46	4.73	4.80	-1.51
G	7/27/2021	5750	Head	5750	37.11	35.36	4.94	5.16	5.21	-1.11
				5700	37.18	35.42	4.97	5.10	5.16	-1.15
				5850	36.97	35.30	4.73	5.27	5.27	-0.02

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
H	6/11/2021	2450	Head	2450	38.89	39.20	-0.79	1.84	1.80	2.28
				2400	38.96	39.30	-0.86	1.74	1.75	-0.44
				2480	39.00	39.16	-0.41	1.87	1.83	1.83
H	6/15/2021	2450	Head	2450	39.57	39.20	0.94	1.85	1.80	2.94
				2400	39.91	39.30	1.56	1.82	1.75	4.07
				2480	39.54	39.16	0.96	1.87	1.83	2.05
H	6/15/2021	5250	Head	5250	34.79	35.93	-3.18	4.66	4.70	-0.81
				5150	34.99	36.05	-2.93	4.54	4.60	-1.32
				5350	34.74	35.82	-3.01	4.77	4.80	-0.63
H	6/15/2021	5600	Head	5600	34.17	35.53	-3.84	4.98	5.06	-1.57
				5500	34.44	35.65	-3.39	4.89	4.96	-1.43
				5725	33.94	35.39	-4.10	5.12	5.19	-1.27
H	6/15/2021	5800	Head	5800	33.88	35.30	-4.02	5.19	5.27	-1.52
				5700	33.98	35.42	-4.06	5.10	5.16	-1.29
				5850	33.75	35.30	-4.39	5.24	5.27	-0.49
H	6/19/2021	2450	Head	2450	37.78	39.20	-3.62	1.75	1.80	-2.83
				2400	37.73	39.30	-3.99	1.77	1.75	0.82
				2480	37.67	39.16	-3.81	1.77	1.83	-3.57
H	6/22/2021	5750	Head	5750	35.19	35.36	-0.49	4.99	5.21	-4.37
				5700	35.25	35.42	-0.48	4.93	5.16	-4.47
				5850	34.95	35.30	-0.99	5.10	5.27	-3.17
H	6/23/2021	2450	Head	2450	38.43	39.20	-1.96	1.84	1.80	2.22
				2400	38.20	39.30	-2.79	1.80	1.75	2.76
				2480	38.50	39.12	-1.69	1.85	1.83	0.96
H	6/26/2021	5750	Head	5750	35.28	35.36	-0.23	5.22	5.21	0.12
				5700	35.31	35.42	-0.31	5.15	5.16	-0.20
				5850	35.37	35.30	0.20	5.34	5.27	1.27
H	6/28/2021	2450	Head	2450	39.64	39.20	1.12	1.75	1.80	-3.06
				2400	39.67	39.30	0.95	1.71	1.75	-2.43
				2480	39.55	39.16	0.99	1.76	1.83	-4.23
H	6/30/2021	5750	Head	5750	34.51	35.36	-2.41	5.14	5.21	-1.51
				5700	34.58	35.42	-2.37	5.12	5.16	-0.82
				5850	34.28	35.30	-2.89	5.19	5.27	-1.50
H	7/2/2021	5750	Head	5750	36.48	35.36	3.16	5.19	5.21	-0.49
				5700	36.56	35.42	3.22	5.12	5.16	-0.75
				5850	36.34	35.30	2.95	5.30	5.27	0.49
H	7/6/2021	5750	Head	5750	36.34	35.36	2.76	5.30	5.21	1.69
				5700	36.24	35.42	2.32	5.28	5.16	2.18
				5850	36.69	35.30	3.94	5.45	5.27	3.49
H	7/10/2021	5750	Head	5750	34.53	35.36	-2.35	4.96	5.21	-4.92
				5700	34.62	35.42	-2.26	4.91	5.16	-4.89
				5850	34.39	35.30	-2.58	5.08	5.27	-3.55

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
H	7/14/2021	5750	Head	5750	34.99	35.36	-1.05	5.14	5.21	-1.47
				5700	35.28	35.42	-0.39	5.08	5.16	-1.58
				5850	35.05	35.30	-0.71	5.27	5.27	0.04
H	7/16/2021	2450	Head	2450	38.81	39.20	-0.99	1.85	1.80	2.50
				2400	38.86	39.30	-1.11	1.81	1.75	3.39
				2480	38.71	39.16	-1.15	1.86	1.83	1.34
H	7/18/2021	5750	Head	5750	36.87	35.36	4.26	5.01	5.21	-3.83
				5700	36.90	35.42	4.18	4.97	5.16	-3.67
				5850	36.80	35.30	4.25	5.09	5.27	-3.47
H	7/20/2021	2450	Head	2450	37.35	39.20	-4.72	1.86	1.80	3.56
				2400	37.39	39.30	-4.85	1.83	1.75	4.30
				2480	37.22	39.16	-4.96	1.88	1.83	2.32
H	7/22/2021	5750	Head	5750	36.11	35.36	2.11	5.00	5.21	-4.10
				5700	36.21	35.42	2.23	4.97	5.16	-3.83
				5850	35.90	35.30	1.70	5.10	5.27	-3.17
H	7/24/2021	2450	Head	2450	38.12	39.20	-2.76	1.80	1.80	0.00
				2400	38.11	39.30	-3.02	1.76	1.75	0.06
				2480	38.02	39.16	-2.92	1.81	1.83	-1.22
H	7/26/2021	5750	Head	5750	36.83	35.36	4.15	5.43	5.21	4.15
				5700	36.81	35.42	3.92	5.35	5.16	3.65
				5850	36.85	35.30	4.39	5.44	5.27	3.17

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
1	6/28/2021	2600	Head	2600	37.58	39.01	-3.67	2.00	1.96	1.78
				2495	37.79	39.14	-3.46	1.90	1.85	2.94
				2690	37.53	38.90	-3.52	2.07	2.06	0.32
1	7/6/2021	2600	Head	2600	37.94	39.01	-2.74	1.93	1.96	-1.49
				2495	38.08	39.14	-2.72	1.85	1.85	0.18
				2690	37.80	38.90	-2.82	2.01	2.06	-2.35
1	7/13/2021	2600	Head	2600	38.28	39.01	-1.87	1.91	1.96	-2.81
				2495	38.17	39.14	-2.49	1.83	1.85	-0.79
				2690	37.92	38.90	-2.51	2.01	2.06	-2.50
2	6/25/2021	2600	Head	2600	38.84	39.01	-0.45	2.00	1.96	1.93
				2495	38.97	39.14	-0.45	1.87	1.85	1.15
				2690	38.51	38.90	-1.00	2.06	2.06	0.03
2	6/29/2021	2600	Head	2600	37.68	39.01	-3.41	1.97	1.96	0.55
				2495	37.83	39.14	-3.35	1.88	1.85	1.59
				2690	37.50	38.90	-3.59	2.05	2.06	-0.65
3	6/19/2021	3500	Head	3500	38.95	37.93	2.69	2.94	2.91	0.84
				3400	39.08	38.04	2.72	2.84	2.81	1.09
				3600	38.76	37.82	2.50	3.04	3.01	0.77
3	6/19/2021	3700	Head	3700	38.55	37.70	2.25	3.16	3.12	1.37
				3600	38.76	37.82	2.50	3.04	3.01	0.77
				3800	38.24	37.59	1.74	3.25	3.22	1.10

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
4	6/16/2021	3500	Head	3500	39.46	37.93	4.03	2.78	2.91	-4.49
				3400	39.70	38.04	4.35	2.70	2.81	-4.07
				3600	39.20	37.82	3.66	2.87	3.01	-4.71
4	6/16/2021	3700	Head	3700	38.92	37.70	3.23	2.97	3.12	-4.79
				3500	39.46	37.93	4.03	2.78	2.91	-4.49
				3600	39.20	37.82	3.66	2.87	3.01	-4.71
4	6/20/2021	3500	Head	3500	37.05	37.93	-2.32	2.84	2.91	-2.56
				3400	37.29	38.04	-1.98	2.77	2.81	-1.40
				3600	36.90	37.82	-2.42	2.93	3.01	-2.75
4	6/20/2021	3700	Head	3700	36.74	37.70	-2.55	3.03	3.12	-2.86
				3500	37.05	37.93	-2.32	2.84	2.91	-2.56
				3600	36.90	37.82	-2.42	2.93	3.01	-2.75
4	6/24/2021	3500	Head	3500	38.73	37.93	2.11	2.79	2.91	-4.07
				3400	38.96	38.04	2.41	2.69	2.81	-4.10
				3600	38.67	37.82	2.26	2.92	3.01	-3.18
4	6/24/2021	3700	Head	3700	38.48	37.70	2.07	3.00	3.12	-3.70
				3500	38.73	37.93	2.11	2.79	2.91	-4.07
				3600	38.67	37.82	2.26	2.92	3.01	-3.18
4	6/29/2021	3500	Head	3500	39.42	37.93	3.93	2.85	2.91	-2.15
				3400	39.58	38.04	4.04	2.75	2.81	-2.00
				3600	39.24	37.82	3.77	2.95	3.01	-2.29
4	6/29/2021	3700	Head	3700	39.07	37.70	3.63	3.04	3.12	-2.35
				3500	39.42	37.93	3.93	2.85	2.91	-2.15
				3600	39.24	37.82	3.77	2.95	3.01	-2.29
4	7/5/2021	3500	Head	3500	38.35	37.93	1.11	2.97	2.91	2.11
				3400	38.79	38.04	1.96	2.93	2.81	4.16
				3600	38.21	37.82	1.04	3.00	3.01	-0.33
4	7/5/2021	3700	Head	3700	37.95	37.70	0.66	3.11	3.12	-0.33
				3500	38.35	37.93	1.11	2.97	2.91	2.11
				3600	38.21	37.82	1.04	3.00	3.01	-0.33
4	7/9/2021	3500	Head	3500	37.88	37.93	-0.13	2.87	2.91	-1.53
				3400	38.07	38.04	0.07	2.81	2.81	-0.12
				3600	37.80	37.82	-0.04	2.98	3.01	-0.99
4	7/9/2021	3700	Head	3700	37.64	37.70	-0.16	3.13	3.12	0.57
				3500	37.88	37.93	-0.13	2.87	2.91	-1.53
				3600	37.80	37.82	-0.04	2.98	3.01	-0.99

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
4	7/13/2021	3500	Head	3500	37.87	37.93	-0.16	2.86	2.91	-1.74
				3400	38.14	38.04	0.25	2.76	2.81	-1.75
				3600	37.70	37.82	-0.31	2.96	3.01	-1.92
4	7/13/2021	3700	Head	3700	37.64	37.70	-0.16	3.07	3.12	-1.48
				3500	37.87	37.93	-0.16	2.86	2.91	-1.74
				3600	37.70	37.82	-0.31	2.96	3.01	-1.92
4	7/17/2021	3500	Head	3500	36.53	37.93	-3.69	2.87	2.91	-1.43
				3400	36.73	38.04	-3.45	2.78	2.81	-1.08
				3600	36.42	37.82	-3.69	2.96	3.01	-1.92
4	7/17/2021	3700	Head	3700	36.22	37.70	-3.93	3.15	3.12	1.08
				3500	36.53	37.93	-3.69	2.87	2.91	-1.43
				3600	36.42	37.82	-3.69	2.96	3.01	-1.92
4	7/21/2021	3700	Head	3700	39.34	37.70	4.35	3.00	3.12	-3.73
				3500	39.67	37.93	4.59	2.80	2.91	-3.83
				3600	39.49	37.82	4.43	2.91	3.01	-3.61
4	7/21/2021	3500	Head	3500	39.67	37.93	4.59	2.80	2.91	-3.83
				3400	39.81	38.04	4.64	2.71	2.81	-3.64
				3600	39.49	37.82	4.43	2.91	3.01	-3.61
4	7/25/2021	3500	Head	3500	36.74	37.93	-3.14	2.83	2.91	-2.70
				3400	36.90	38.04	-3.01	2.76	2.81	-1.86
				3600	36.45	37.82	-3.61	2.92	3.01	-3.22
4	7/25/2021	3700	Head	3700	36.37	37.70	-3.53	3.02	3.12	-2.96
				3500	36.74	37.93	-3.14	2.83	2.91	-2.70
				3600	36.45	37.82	-3.61	2.92	3.01	-3.22

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
5	6/16/2021	2600	Head	2600	38.24	39.01	-1.98	2.01	1.96	2.64
				2495	38.57	39.14	-1.46	1.92	1.85	3.59
				2690	38.04	38.90	-2.20	2.09	2.06	1.39
5	6/20/2021	2600	Head	2600	38.32	39.01	-1.77	1.97	1.96	0.30
				2495	38.45	39.14	-1.77	1.88	1.85	1.43
				2690	38.13	38.90	-1.97	2.04	2.06	-0.75
5	6/24/2021	2600	Head	2600	38.92	39.01	-0.23	1.91	1.96	-2.51
				2495	39.04	39.14	-0.26	1.82	1.85	-1.50
				2690	38.73	38.90	-0.43	2.00	2.06	-3.08
5	6/28/2021	2600	Head	2600	38.94	39.01	-0.18	1.96	1.96	-0.37
				2495	38.91	39.14	-0.60	1.88	1.85	1.80
				2690	38.60	38.90	-0.76	2.02	2.06	-1.72
5	7/6/2021	2600	Head	2600	37.35	39.01	-4.26	1.94	1.96	-1.18
				2495	37.54	39.14	-4.10	1.86	1.85	0.51
				2690	37.22	38.90	-4.31	2.01	2.06	-2.64
5	7/14/2021	2600	Head	2600	40.42	39.01	3.61	1.89	1.96	-3.36
				2495	40.56	39.14	3.62	1.79	1.85	-3.17
				2690	40.26	38.90	3.50	1.97	2.06	-4.20
5	7/19/2021	2600	Head	2600	39.15	39.01	0.36	1.91	1.96	-2.61
				2495	39.25	39.14	0.27	1.82	1.85	-1.82
				2690	39.06	38.90	0.42	2.00	2.06	-2.89
5	7/23/2021	2600	Head	2600	38.67	39.01	-0.87	1.93	1.96	-1.64
				2495	38.85	39.14	-0.75	1.84	1.85	-0.58
				2690	38.55	38.90	-0.89	2.00	2.06	-2.74
5	7/27/2021	2600	Head	2600	37.99	39.01	-2.62	1.91	1.96	-2.81
				2495	38.07	39.14	-2.74	1.82	1.85	-1.71
				2690	37.74	38.90	-2.98	1.98	2.06	-3.76

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
6	6/16/2021	3500	Head	3500	38.64	37.93	1.87	2.83	2.91	-2.84
				3400	38.88	38.04	2.20	2.73	2.81	-2.82
				3600	38.38	37.82	1.49	2.92	3.01	-3.05
6	6/16/2021	3700	Head	3700	38.11	37.70	1.08	3.02	3.12	-2.96
				3500	38.64	37.93	1.87	2.83	2.91	-2.84
				3600	38.38	37.82	1.49	2.92	3.01	-3.05
6	6/18/2021	3900	Head	3900	37.04	37.47	-1.16	3.37	3.32	1.39
				3700	37.44	37.70	-0.69	3.16	3.12	1.31
				4000	36.69	37.36	-1.79	3.50	3.42	2.22
6	6/20/2021	3700	Head	3700	38.51	37.70	2.14	3.16	3.12	1.24
				3500	38.76	37.93	2.19	2.95	2.91	1.28
				3600	38.63	37.82	2.15	3.05	3.01	1.10
6	6/22/2021	3500	Head	3500	38.45	37.93	1.37	2.91	2.91	-0.19
				3400	38.65	38.04	1.59	2.82	2.81	0.28
				3600	38.26	37.82	1.18	2.99	3.01	-0.69
6	6/22/2021	3900	Head	3900	37.74	37.47	0.71	3.32	3.32	0.03
				3700	38.07	37.70	0.98	3.12	3.12	0.06
				4000	37.51	37.36	0.40	3.42	3.42	-0.09
6	6/26/2021	3500	Head	3500	38.77	37.93	2.22	2.96	2.91	1.66
				3400	38.97	38.04	2.43	2.87	2.81	2.27
				3600	38.56	37.82	1.97	3.06	3.01	1.66
6	6/26/2021	3700	Head	3700	38.44	37.70	1.96	3.20	3.12	2.72
				3500	38.77	37.93	2.22	2.96	2.91	1.66
				3600	38.56	37.82	1.97	3.06	3.01	1.66
6	6/26/2021	3900	Head	3900	38.05	37.47	1.54	3.41	3.32	2.68
				3700	38.44	37.70	1.96	3.20	3.12	2.72
				4000	37.77	37.36	1.10	3.51	3.42	2.65
6	6/30/2021	3500	Head	3500	37.10	37.93	-2.19	2.84	2.91	-2.46
				3400	37.35	38.04	-1.82	2.74	2.81	-2.61
				3600	36.86	37.82	-2.53	2.94	3.01	-2.32
6	6/30/2021	3700	Head	3700	36.64	37.70	-2.82	3.05	3.12	-2.00
				3500	37.10	37.93	-2.19	2.84	2.91	-2.46
				3600	36.86	37.82	-2.53	2.94	3.01	-2.32
6	6/30/2021	3900	Head	3900	36.31	37.47	-3.10	3.26	3.32	-1.74
				3800	36.37	37.59	-3.24	3.16	3.22	-1.82
				4000	36.13	37.36	-3.29	3.37	3.42	-1.64
6	7/5/2021	3500	Head	3500	39.62	37.93	4.46	2.88	2.91	-1.22
				3400	39.87	38.04	4.80	2.80	2.81	-0.37
				3600	39.45	37.82	4.32	2.97	3.01	-1.62
6	7/5/2021	3700	Head	3700	39.33	37.70	4.32	3.07	3.12	-1.45
				3500	39.62	37.93	4.46	2.88	2.91	-1.22
				3600	39.45	37.82	4.32	2.97	3.01	-1.62
6	7/5/2021	3900	Head	3900	38.65	37.47	3.14	3.30	3.32	-0.51
				3700	39.33	37.70	4.32	3.07	3.12	-1.45
				4000	38.67	37.36	3.51	3.43	3.42	0.14

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
6	7/9/2021	3500	Head	3500	38.92	37.93	2.61	2.80	2.91	-3.76
				3400	39.11	38.04	2.80	2.70	2.81	-3.93
				3600	38.72	37.82	2.39	2.90	3.01	-3.68
6	7/9/2021	3700	Head	3700	38.61	37.70	2.41	3.00	3.12	-3.79
				3600	38.72	37.82	2.39	2.90	3.01	-3.68
				3800	38.38	37.59	2.11	3.08	3.22	-4.37
6	7/9/2021	3900	Head	3900	38.35	37.47	2.34	3.16	3.32	-4.93
				3800	38.38	37.59	2.11	3.08	3.22	-4.37
				4000	38.09	37.36	1.96	3.27	3.42	-4.42
6	7/13/2021	3500	Head	3500	38.24	37.93	0.82	2.88	2.91	-1.02
				3400	38.40	38.04	0.94	2.79	2.81	-0.86
				3600	38.05	37.82	0.62	2.98	3.01	-1.12
6	7/13/2021	3700	Head	3700	37.95	37.70	0.66	3.07	3.12	-1.42
				3500	38.24	37.93	0.82	2.88	2.91	-1.02
				3600	38.05	37.82	0.62	2.98	3.01	-1.12
6	7/13/2021	3900	Head	3900	37.56	37.47	0.23	3.27	3.32	-1.41
				3700	37.95	37.70	0.66	3.07	3.12	-1.42
				4000	37.30	37.36	-0.16	3.39	3.42	-0.88
6	7/17/2021	3500	Head	3500	36.88	37.93	-2.77	2.91	2.91	0.05
				3400	37.04	38.04	-2.64	2.80	2.81	-0.29
				3600	36.78	37.82	-2.74	3.00	3.01	-0.39
6	7/17/2021	3700	Head	3700	36.59	37.70	-2.95	3.18	3.12	2.11
				3500	36.88	37.93	-2.77	2.91	2.91	0.05
				3600	36.78	37.82	-2.74	3.00	3.01	-0.39
6	7/17/2021	3900	Head	3900	36.18	37.47	-3.45	3.34	3.32	0.55
				3700	36.59	37.70	-2.95	3.18	3.12	2.11
				4000	35.96	37.36	-3.75	3.45	3.42	0.73
6	7/21/2021	3500	Head	3500	37.60	37.93	-0.87	2.81	2.91	-3.45
				3400	37.90	38.04	-0.38	2.72	2.81	-3.36
				3600	37.44	37.82	-0.99	2.92	3.01	-3.28
6	7/21/2021	3700	Head	3700	37.29	37.70	-1.09	3.03	3.12	-2.73
				3500	37.60	37.93	-0.87	2.81	2.91	-3.49
				3600	37.44	37.82	-0.99	2.92	3.01	-3.28
6	7/21/2021	3900	Head	3900	37.03	37.47	-1.18	3.24	3.32	-2.37
				3700	37.29	37.70	-1.09	3.03	3.12	-2.77
				4000	36.86	37.36	-1.34	3.32	3.42	-2.98
6	7/24/2021	750	Head	750	40.93	41.96	-2.46	0.93	0.89	3.57
				660	41.15	42.42	-3.00	0.89	0.89	0.06
				800	40.63	41.71	-2.58	0.94	0.90	4.64
6	7/26/2021	3900	Head	3900	36.22	37.47	-3.34	3.19	3.32	-4.03
				3700	36.63	37.70	-2.84	3.00	3.12	-3.83
				4000	36.04	37.36	-3.53	3.31	3.42	-3.28

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
7	6/16/2021	2600	Head	2600	38.32	39.01	-1.77	1.97	1.96	0.14
				2495	38.43	39.14	-1.82	1.87	1.85	1.37
				2690	38.09	38.90	-2.08	2.06	2.06	-0.22
7	6/20/2021	2600	Head	2600	40.91	39.01	4.87	2.02	1.96	3.15
				2495	41.04	39.14	4.85	1.92	1.85	3.97
				2690	40.73	38.90	4.71	2.11	2.06	2.21
7	6/24/2021	2600	Head	2600	40.39	39.01	3.54	2.02	1.96	2.85
				2495	40.55	39.14	3.59	1.92	1.85	4.08
				2690	40.20	38.90	3.35	2.10	2.06	1.92
7	6/28/2021	2600	Head	2600	40.06	39.01	2.69	1.94	1.96	-1.28
				2495	40.00	39.14	2.19	1.84	1.85	-0.63
				2690	39.67	38.90	1.99	2.02	2.06	-1.82
7	6/30/2021	3500	Head	3500	38.86	37.93	2.45	2.89	2.91	-0.84
				3400	39.02	38.04	2.57	2.83	2.81	0.77
				3600	38.89	37.82	2.84	2.97	3.01	-1.36
7	7/6/2021	2600	Head	2600	38.17	39.01	-2.16	1.95	1.96	-0.57
				2495	38.41	39.14	-1.87	1.88	1.85	1.48
				2690	38.04	38.90	-2.20	2.02	2.06	-2.11
7	7/12/2021	2600	Head	2600	37.73	39.01	-3.28	1.91	1.96	-2.86
				2495	37.79	39.14	-3.46	1.81	1.85	-2.31
				2690	37.34	38.90	-4.00	1.97	2.06	-4.44
7	7/16/2021	2600	Head	2600	38.83	39.01	-0.46	2.04	1.96	3.87
				2495	39.00	39.14	-0.37	1.93	1.85	4.18
				2690	38.64	38.90	-0.66	2.13	2.06	3.33
7	7/20/2021	2600	Head	2600	37.63	39.01	-3.54	1.93	1.96	-1.79
				2495	37.78	39.14	-3.48	1.83	1.85	-1.28
				2690	37.53	38.90	-3.52	2.01	2.06	-2.64
7	7/24/2021	2600	Head	2600	38.53	39.01	-1.23	1.95	1.96	-0.57
				2495	38.74	39.14	-1.02	1.86	1.85	0.83
				2690	38.56	38.90	-0.87	2.00	2.06	-2.89
7	7/24/2021	835	Head	835	41.15	41.50	-0.84	0.94	0.90	4.84
				805	41.75	41.68	0.17	0.94	0.90	4.49
				850	40.95	41.50	-1.33	0.95	0.92	3.80
7	7/28/2021	2600	Head	2600	38.18	39.01	-2.13	1.92	1.96	-2.25
				2495	38.24	39.14	-2.31	1.77	1.85	-4.15
				2690	37.77	38.90	-2.90	1.98	2.06	-3.76

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
8	6/15/2021	3500	Head	3500	37.88	37.93	-0.13	2.85	2.91	-2.29
				3400	38.08	38.04	0.10	2.76	2.81	-1.61
				3600	37.66	37.82	-0.41	2.95	3.01	-2.25
8	6/15/2021	3700	Head	3700	37.45	37.70	-0.67	3.06	3.12	-1.93
				3500	37.88	37.93	-0.13	2.85	2.91	-2.29
				3600	37.66	37.82	-0.41	2.95	3.01	-2.25
8	6/19/2021	3500	Head	3500	36.70	37.93	-3.24	2.83	2.91	-2.91
				3400	36.83	38.04	-3.19	2.74	2.81	-2.39
				3600	36.51	37.82	-3.45	2.92	3.01	-3.05
8	6/19/2021	3900	Head	3800	35.99	37.59	-4.25	3.13	3.22	-2.84
				3900	35.85	37.47	-4.33	3.22	3.32	-2.92
				4000	35.72	37.36	-4.39	3.33	3.42	-2.72
8	6/23/2021	3500	Head	3500	39.46	37.93	4.03	2.79	2.91	-4.24
				3400	39.67	38.04	4.27	2.72	2.81	-3.36
				3600	39.34	37.82	4.03	2.89	3.01	-4.08
8	6/23/2021	3900	Head	3800	38.96	37.59	3.65	3.06	3.22	-4.86
				3900	38.96	37.47	3.97	3.19	3.32	-4.06
				4000	38.64	37.36	3.43	3.32	3.42	-3.10
8	6/27/2021	3500	Head	3500	38.73	37.93	2.11	2.78	2.91	-4.62
				3400	38.89	38.04	2.22	2.71	2.81	-3.64
				3600	38.53	37.82	1.89	2.89	3.01	-4.24
8	6/27/2021	3900	Head	3800	38.18	37.59	1.58	3.06	3.22	-4.80
				3900	37.90	37.47	1.14	3.17	3.32	-4.51
				4000	37.80	37.36	1.18	3.27	3.42	-4.42
8	6/29/2021	3700	Head	3700	38.24	37.70	1.43	2.96	3.12	-4.99
				3600	38.53	37.82	1.89	2.89	3.01	-4.24
				3800	38.18	37.59	1.58	3.06	3.22	-4.80
8	7/1/2021	3500	Head	3500	39.33	37.93	3.69	2.88	2.91	-1.15
				3400	39.51	38.04	3.85	2.78	2.81	-0.90
				3600	39.15	37.82	3.53	2.96	3.01	-1.66
8	7/1/2021	3700	Head	3700	38.96	37.70	3.34	3.07	3.12	-1.61
				3600	39.15	37.82	3.53	2.96	3.01	-1.66
				3800	38.80	37.59	3.23	3.16	3.22	-1.76
8	7/1/2021	3900	Head	3800	38.80	37.59	3.23	3.16	3.22	-1.76
				3900	38.56	37.47	2.90	3.26	3.32	-1.95
				4000	38.43	37.36	2.87	3.33	3.42	-2.69
8	7/5/2021	3500	Head	3500	38.27	37.93	0.90	2.88	2.91	-1.22
				3400	38.48	38.04	1.15	2.83	2.81	0.60
				3600	38.09	37.82	0.73	2.98	3.01	-1.12
8	7/5/2021	3700	Head	3700	37.88	37.70	0.47	3.09	3.12	-0.91
				3600	38.09	37.82	0.73	2.98	3.01	-1.12
				3800	37.53	37.59	-0.15	3.18	3.22	-1.35
8	7/5/2021	3900	Head	3800	37.53	37.59	-0.15	3.18	3.22	-1.35
				3900	37.64	37.47	0.44	3.32	3.32	-0.12
				4000	37.25	37.36	-0.29	3.44	3.42	0.55

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
8	7/9/2021	3500	Head	3500	38.92	37.93	2.61	2.80	2.91	-3.76
				3400	39.11	38.04	2.80	2.70	2.81	-3.93
				3600	38.72	37.82	2.39	2.90	3.01	-3.68
8	7/9/2021	3700	Head	3700	38.61	37.70	2.41	3.00	3.12	-3.79
				3600	38.72	37.82	2.39	2.90	3.01	-3.68
				3800	38.38	37.59	2.11	3.08	3.22	-4.37
8	7/9/2021	3900	Head	3900	38.35	37.47	2.34	3.16	3.32	-4.93
				3800	38.38	37.59	2.11	3.08	3.22	-4.37
				4000	38.09	37.36	1.96	3.27	3.42	-4.42
8	7/16/2021	3500	Head	3500	38.48	37.93	1.45	2.89	2.91	-0.60
				3400	38.66	38.04	1.62	2.82	2.81	0.45
				3600	38.35	37.82	1.41	2.98	3.01	-1.22
8	7/16/2021	3700	Head	3700	38.21	37.70	1.35	3.10	3.12	-0.49
				3600	38.35	37.82	1.41	2.98	3.01	-1.22
				3800	37.74	37.59	0.41	3.17	3.22	-1.63
8	7/16/2021	3900	Head	3900	37.75	37.47	0.74	3.29	3.32	-0.96
				3800	37.74	37.59	0.41	3.17	3.22	-1.63
				4000	37.48	37.36	0.32	3.38	3.42	-1.26
8	7/20/2021	3500	Head	3500	39.75	37.93	4.80	2.79	2.91	-4.11
				3400	39.83	38.04	4.70	2.71	2.81	-3.39
				3600	39.55	37.82	4.59	2.90	3.01	-3.85
8	7/20/2021	3700	Head	3700	39.43	37.70	4.58	3.00	3.12	-3.63
				3600	39.55	37.82	4.59	2.90	3.01	-3.85
				3800	39.15	37.59	4.16	3.11	3.22	-3.34
8	7/20/2021	3900	Head	3900	38.96	37.47	3.97	3.22	3.32	-3.16
				3800	39.15	37.59	4.16	3.11	3.22	-3.34
				4000	38.80	37.36	3.86	3.35	3.42	-2.11
8	7/24/2021	3500	Head	3500	36.72	37.93	-3.19	2.85	2.91	-2.08
				3400	36.86	38.04	-3.11	2.82	2.81	0.42
				3600	36.56	37.82	-3.32	3.00	3.01	-0.53
8	7/24/2021	3700	Head	3700	36.28	37.70	-3.77	3.11	3.12	-0.07
				3600	36.56	37.82	-3.32	3.00	3.01	-0.53
				3800	35.94	37.59	-4.38	3.19	3.22	-0.92
8	7/24/2021	3900	Head	3900	35.89	37.47	-4.23	3.36	3.32	1.18
				3800	35.94	37.59	-4.38	3.19	3.22	-0.92
				4000	35.58	37.36	-4.76	3.47	3.42	1.43

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
10	6/14/2021	835	Head	835	41.77	41.50	0.65	0.90	0.90	-0.01
				805	41.92	41.68	0.58	0.89	0.90	-1.12
				850	41.71	41.50	0.51	0.90	0.92	-1.19
10	6/17/2021	835	Head	835	41.46	41.50	-0.10	0.92	0.90	2.60
				805	41.56	41.68	-0.29	0.91	0.90	1.54
				850	41.42	41.50	-0.19	0.93	0.92	1.43
10	6/20/2021	835	Head	835	40.82	41.50	-1.64	0.93	0.90	3.03
				805	40.86	41.68	-1.97	0.92	0.90	2.06
				850	40.78	41.50	-1.73	0.94	0.92	2.19
10	6/24/2021	835	Head	835	41.45	41.50	-0.12	0.93	0.90	3.87
				805	41.75	41.68	0.17	0.93	0.90	3.36
				850	41.38	41.50	-0.29	0.94	0.92	2.69
10	6/28/2021	835	Head	835	40.75	41.50	-1.81	0.88	0.90	-1.82
				805	40.35	41.68	-3.19	0.86	0.90	-4.55
				850	40.82	41.50	-1.64	0.89	0.92	-2.87
10	7/5/2021	835	Head	835	40.34	41.50	-2.80	0.93	0.90	3.46
				805	40.34	41.68	-3.21	0.92	0.90	2.47
				850	40.29	41.50	-2.92	0.94	0.92	2.51
10	7/8/2021	835	Head	835	40.16	41.50	-3.23	0.91	0.90	0.97
				805	40.15	41.68	-3.67	0.90	0.90	-0.10
				850	40.14	41.50	-3.28	0.91	0.92	-0.16
10	7/22/2021	835	Head	835	41.39	41.50	-0.27	0.94	0.90	4.18
				805	41.65	41.68	-0.07	0.93	0.90	3.62
				850	41.33	41.50	-0.41	0.94	0.92	2.87

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
12	6/19/2021	750	Head	750	43.59	41.96	3.88	0.86	0.89	-3.73
				660	44.52	42.42	4.94	0.84	0.89	-4.66
				800	43.70	41.71	4.78	0.88	0.90	-1.95
12	6/22/2021	750	Head	750	41.46	41.96	-1.20	0.90	0.89	0.97
				660	41.89	42.42	-1.26	0.87	0.89	-1.63
				800	41.31	41.71	-0.95	0.92	0.90	2.09
12	6/25/2021	835	Head	835	41.09	41.50	-0.99	0.91	0.90	1.48
				805	41.00	41.68	-1.63	0.89	0.90	-0.50
				850	41.13	41.50	-0.89	0.92	0.92	0.59
12	6/29/2021	835	Head	835	39.60	41.50	-4.58	0.89	0.90	-1.64
				805	39.63	41.68	-4.92	0.87	0.90	-2.72
				850	39.54	41.50	-4.72	0.89	0.92	-2.80
12	6/30/2021	1750	Head	1750	38.34	40.08	-4.35	1.40	1.37	2.27
				1710	38.38	40.15	-4.40	1.36	1.35	1.01
				1755	38.33	40.08	-4.36	1.41	1.37	2.57
12	7/5/2021	835	Head	835	41.09	41.50	-0.99	0.93	0.90	3.00
				805	41.25	41.68	-1.03	0.92	0.90	2.64
				850	41.03	41.50	-1.13	0.93	0.92	2.09
12	7/8/2021	750	head	750	42.71	41.96	1.78	0.86	0.89	-3.19
				660	43.21	42.42	1.85	0.85	0.89	-4.33
				800	42.49	41.71	1.88	0.89	0.90	-1.13
12	7/8/2021	835	head	835	40.01	41.50	-3.59	0.90	0.90	-0.11
				805	39.84	41.68	-4.41	0.88	0.90	-2.31
				850	40.04	41.50	-3.52	0.91	0.92	-1.09
12	7/19/2021	835	Head	835	41.50	41.50	0.00	0.91	0.90	0.90
				805	42.04	41.68	0.86	0.90	0.90	-0.10
				850	41.36	41.50	-0.34	0.91	0.92	-0.09
13	6/21/2021	750	Head	750	41.00	41.96	-2.29	0.93	0.89	3.84
				660	41.63	42.42	-1.87	0.90	0.89	1.98
				800	40.89	41.71	-1.95	0.94	0.90	4.80
13	6/25/2021	750	Head	750	41.51	41.96	-1.08	0.89	0.89	-0.62
				660	41.22	42.42	-2.84	0.85	0.89	-4.07
				800	41.27	41.71	-1.04	0.90	0.90	0.18
13	6/28/2021	750	Head	750	41.64	41.96	-0.77	0.91	0.89	2.41
				660	42.39	42.42	-0.08	0.89	0.89	-0.04
				800	41.69	41.71	-0.04	0.93	0.90	3.99
13	7/8/2021	750	Head	750	41.62	41.96	-0.81	0.87	0.89	-2.24
				660	41.96	42.42	-1.09	0.84	0.89	-4.79
				800	41.44	41.71	-0.64	0.89	0.90	-0.81

8.2. System Check

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

System Performance Check Measurement Conditions:

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

System Check Results

The 1-g and 10-g SAR measured with a reference dipole, using the required tissue-equivalent medium at the test frequency, must be within ±10% of the manufacturer calibrated dipole SAR target. Refer to Appendix B for the SAR System Check Plots.

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
A	6/13/2021	Head	D1900V2 SN:5d043	11/27/2021	4.220	42.20	41.80	0.96	2.160	21.60	21.54	0.28	
A	6/16/2021	Head	D2600V2 SN:1006	10/20/2021	5.030	50.30	51.36	-2.06	2.300	23.00	23.41	-1.75	
A	6/20/2021	Head	D2600V2 SN:1006	10/20/2021	5.250	52.50	51.36	2.22	2.370	23.70	23.41	1.24	1,2
A	6/21/2021	Head	D1900V2 SN:5d043	11/27/2021	3.950	39.50	41.80	-5.50	2.050	20.50	21.54	-4.83	
A	6/25/2021	Head	D1900V2 SN:5d043	11/27/2021	3.800	38.00	41.80	-9.09	1.970	19.70	21.54	-8.54	3,4
A	6/29/2021	Head	D2450V2 SN:706	4/23/2022	5.390	53.90	52.30	3.06	2.520	25.20	24.50	2.86	5,6
A	6/30/2021	Head	D1750V2 SN:1077	10/16/2021	3.310	33.10	35.15	-5.83	1.780	17.80	18.71	-4.86	7,8
A	7/6/2021	Head	D1750V2 SN:1077	10/16/2021	3.370	33.70	35.15	-4.13	1.790	17.90	18.71	-4.33	
A	7/9/2021	Head	D1900V2 SN:5d043	11/27/2021	4.110	41.10	41.80	-1.67	2.130	21.30	21.54	-1.11	
A	7/13/2021	Head	D1900V2 SN:5d043	11/27/2021	4.190	41.90	41.80	0.24	2.170	21.70	21.54	0.74	
A	7/17/2021	Head	D1900V2 SN:5d043	11/27/2021	4.520	45.20	41.80	8.13	2.330	23.30	21.54	8.17	
A	7/21/2021	Head	D1900V2 SN:5d043	11/27/2021	4.540	45.40	41.80	8.61	2.360	23.60	21.54	9.56	
A	7/26/2021	Head	D1900V2 SN:5d043	11/27/2021	4.210	42.10	41.80	0.72	2.180	21.80	21.54	1.21	
A	7/26/2021	Head	D1750V2 SN:1077	10/16/2021	3.330	33.30	35.15	-5.26	1.770	17.70	18.71	-5.40	
B	6/13/2021	Head	D1750V2 SN:1077	10/16/2021	3.290	32.90	35.15	-6.40	1.770	17.70	18.71	-5.40	9,10
B	6/15/2021	Head	D2600V2 SN:1006	10/20/2021	5.570	55.70	51.36	8.45	2.530	25.30	23.41	8.07	11,12
B	6/17/2021	Head	D1750V2 SN:1077	10/16/2021	3.720	37.20	35.15	5.83	1.990	19.90	18.71	6.36	
B	6/21/2021	Head	D1750V2 SN:1077	10/16/2021	3.450	34.50	35.15	-1.85	1.850	18.50	18.71	-1.12	
B	6/25/2021	Head	D1750V2 SN:1077	10/16/2021	3.600	36.00	35.15	2.42	1.940	19.40	18.71	3.69	
B	6/29/2021	Head	D1750V2 SN:1077	10/16/2021	3.620	36.20	35.15	2.99	1.950	19.50	18.71	4.22	
B	7/6/2021	Head	D1750V2 SN:1077	10/16/2021	3.670	36.70	35.15	4.41	1.970	19.70	18.71	5.29	
B	7/10/2021	Head	D1750V2 SN:1077	10/16/2021	3.530	35.30	35.15	0.43	1.900	19.00	18.71	1.55	
B	7/14/2021	Head	D1750V2 SN:1077	10/16/2021	3.690	36.90	35.15	4.98	1.970	19.70	18.71	5.29	
B	7/19/2021	Head	D1750V2 SN:1077	10/16/2021	3.560	35.60	35.15	1.28	1.910	19.10	18.71	2.08	
B	7/23/2021	Head	D1750V2 SN:1077	10/16/2021	3.450	34.50	35.15	-1.85	1.850	18.50	18.71	-1.12	
B	7/27/2021	Head	D1750V2 SN:1077	10/16/2021	3.640	36.40	35.15	3.56	1.940	19.40	18.71	3.69	
C	6/13/2021	Head	D1900V2 SN:5d140	4/13/2022	4.490	44.90	41.40	8.45	2.340	23.40	21.50	8.84	13,14
C	6/14/2021	Head	D835V2 SN:4d142	8/18/2021	0.920	9.20	9.36	-1.71	0.600	6.00	6.09	-1.48	15,16
C	6/16/2021	Head	D1900V2 SN:5d043	11/27/2021	3.880	38.80	41.80	-7.18	2.020	20.20	21.54	-6.22	
C	6/20/2021	Head	D1900V2 SN:5d043	11/27/2021	4.160	41.60	41.80	-0.48	2.170	21.70	21.54	0.74	
C	6/24/2021	Head	D1900V2 SN:5d043	11/27/2021	4.120	41.20	41.80	-1.44	2.160	21.60	21.54	0.28	
C	6/28/2021	Head	D1900V2 SN:5d163	10/22/2021	4.290	42.90	39.81	7.76	2.260	22.60	20.70	9.18	17,18
C	7/2/2021	Head	D1900V2 SN:5d043	11/27/2021	4.250	42.50	41.80	1.67	2.210	22.10	21.54	2.60	
C	7/6/2021	Head	D1900V2 SN:5d043	11/27/2021	3.980	39.80	41.80	-4.78	2.060	20.60	21.54	-4.36	
C	7/10/2021	Head	D1900V2 SN:5d043	11/27/2021	3.840	38.40	41.80	-8.13	1.990	19.90	21.54	-7.61	19,20
C	7/14/2021	Head	D1900V2 SN:5d043	11/27/2021	4.040	40.40	41.80	-3.35	2.090	20.90	21.54	-2.97	
C	7/19/2021	Head	D1900V2 SN:5d043	11/27/2021	4.190	41.90	41.80	0.24	2.170	21.70	21.54	0.74	
C	7/23/2021	Head	D1900V2 SN:5d043	11/27/2021	4.050	40.50	41.80	-3.11	2.110	21.10	21.54	-2.04	
C	7/24/2021	Head	D835V2 SN:4d117	5/11/2022	1.020	10.20	10.23	-0.29	0.668	6.68	6.69	-0.15	
C	7/26/2021	Head	D1750V2 SN:1077	10/16/2021	3.640	36.40	35.15	3.56	1.930	19.30	18.71	3.15	21,22
C	7/28/2021	Head	D835V2 SN:4d117	5/11/2022	1.020	10.20	10.23	-0.29	0.662	6.62	6.69	-1.05	23,24

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
D	6/14/2021	Head	D2300V2 SN:1058	10/27/2021	4.420	44.20	46.98	-5.92	2.100	21.00	22.65	-7.28	
D	6/16/2021	Head	D2300V2 SN:1058	10/27/2021	4.590	45.90	46.98	-2.30	2.170	21.70	22.65	-4.19	
D	6/18/2021	Head	D2450V2 SN:899	4/13/2022	5.060	50.60	50.96	-0.71	2.340	23.40	23.89	-2.05	25,26
D	6/20/2021	Head	D2300V2 SN:1058	10/27/2021	4.960	49.60	46.98	5.58	2.350	23.50	22.65	3.75	
D	6/22/2021	Head	D2600V2 SN:1006	10/20/2021	5.190	51.90	51.36	1.05	2.320	23.20	23.41	-0.90	
D	6/24/2021	Head	D2300V2 SN:1058	10/27/2021	5.090	50.90	46.98	8.34	2.410	24.10	22.65	6.40	27,28
D	6/28/2021	Head	D2300V2 SN:1058	10/27/2021	4.850	48.50	46.98	3.24	2.300	23.00	22.65	1.55	
D	7/2/2021	Head	D2300V2 SN:1002	4/13/2022	5.290	52.90	48.57	8.91	2.500	25.00	23.45	6.61	
D	7/6/2021	Head	D2300V2 SN:1002	4/13/2022	5.170	51.70	48.57	6.44	2.450	24.50	23.45	4.48	
D	7/10/2021	Head	D2300V2 SN:1002	4/13/2022	5.270	52.70	48.57	8.50	2.500	25.00	23.45	6.61	
D	7/12/2021	Head	D2600V2 SN:1006	10/20/2021	4.750	47.50	51.36	-7.52	2.120	21.20	23.41	-9.44	29,30
D	7/13/2021	Head	D1750V2 SN:1077	10/16/2021	3.220	32.20	35.15	-8.39	1.710	17.10	18.71	-8.61	31,32
D	7/14/2021	Head	D2300V2 SN:1002	4/13/2022	5.000	50.00	48.57	2.94	2.370	23.70	23.45	1.07	
D	7/18/2021	Head	D2300V2 SN:1002	4/13/2022	5.070	50.70	48.57	4.39	2.410	24.10	23.45	2.77	
D	7/22/2021	Head	D2300V2 SN:1002	4/13/2022	5.210	52.10	48.57	7.27	2.480	24.80	23.45	5.76	
D	7/26/2021	Head	D2300V2 SN:1002	4/13/2022	5.290	52.90	48.57	8.91	2.510	25.10	23.45	7.04	33,34
E	6/12/2021	Head	D2450V2 SN:899	4/13/2022	5.260	52.60	50.96	3.22	2.420	24.20	23.89	1.30	
E	6/16/2021	Head	D2450V2 SN:899	4/13/2022	5.210	52.10	50.96	2.24	2.410	24.10	23.89	0.88	
E	6/20/2021	Head	D2450V2 SN:899	4/13/2022	5.210	52.10	50.96	2.24	2.370	23.70	23.89	-0.80	
E	6/24/2021	Head	D2450V2 SN:899	4/13/2022	5.480	54.80	50.96	7.54	2.510	25.10	23.89	5.06	
E	6/28/2021	Head	D2450V2 SN:899	4/13/2022	4.950	49.50	50.96	-2.86	2.250	22.50	23.89	-5.82	
E	7/2/2021	Head	D2450V2 SN:706	4/23/2022	5.270	52.70	52.30	0.76	2.400	24.00	24.50	-2.04	
E	7/6/2021	Head	D2450V2 SN:706	4/23/2022	5.740	57.40	52.30	9.75	2.580	25.80	24.50	5.31	35,36
E	7/10/2021	Head	D2450V2 SN:706	4/23/2022	5.470	54.70	52.30	4.59	2.480	24.80	24.50	1.22	
E	7/14/2021	Head	D2450V2 SN:899	4/13/2022	5.150	51.50	50.96	1.06	2.320	23.20	23.89	-2.89	
E	7/18/2021	Head	D2450V2 SN:899	4/13/2022	4.990	49.90	50.96	-2.08	2.260	22.60	23.89	-5.40	
E	7/22/2021	Head	D2450V2 SN:899	4/13/2022	5.570	55.70	50.96	9.30	2.550	25.50	23.89	6.74	37,38
E	7/26/2021	Head	D2450V2 SN:899	4/13/2022	5.570	55.70	50.96	9.30	2.510	25.10	23.89	5.06	
E	7/30/2021	Head	D2450V2 SN:899	4/13/2022	5.220	52.20	50.96	2.43	2.380	23.80	23.89	-0.38	

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
F	6/13/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.340	73.40	77.10	-4.80	2.060	20.60	22.20	-7.21	
F	6/13/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	9.240	92.40	84.70	9.09	2.590	25.90	24.20	7.02	39,40
F	6/13/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	7.030	70.30	75.70	-7.13	1.970	19.70	21.80	-9.63	
F	6/17/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.350	73.50	77.10	-4.67	2.090	20.90	22.20	-5.86	
F	6/17/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	8.030	80.30	84.70	-5.19	2.260	22.60	24.20	-6.61	
F	6/17/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	7.640	76.40	75.70	0.92	2.160	21.60	21.80	-0.92	
F	6/21/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.590	75.90	77.10	-1.56	2.150	21.50	22.20	-3.15	
F	6/21/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	7.810	78.10	84.70	-7.79	2.180	21.80	24.20	-9.92	
F	6/21/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	6.970	69.70	75.70	-7.93	1.970	19.70	21.80	-9.63	
F	6/25/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.060	70.60	77.10	-8.43	2.000	20.00	22.20	-9.91	
F	6/25/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	7.950	79.50	84.70	-6.14	2.220	22.20	24.20	-8.26	
F	6/25/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	7.090	70.90	75.70	-6.34	1.990	19.90	21.80	-8.72	
F	6/29/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.360	73.60	77.10	-4.54	2.070	20.70	22.20	-6.76	
F	7/2/2021	Head	D5GHzV2 SN:1168 (5.25 GHz)	11/27/2021	8.010	80.10	80.80	-0.87	2.270	22.70	23.30	-2.58	
F	7/6/2021	Head	D5GHzV2 SN:1168 (5.25 GHz)	11/27/2021	8.060	80.60	80.80	-0.25	2.270	22.70	23.30	-2.58	
F	7/9/2021	Head	D5GHzV2 SN:1168 (5.25 GHz)	11/27/2021	7.680	76.80	80.80	-4.95	2.160	21.60	23.30	-7.30	
F	7/13/2021	Head	D5GHzV2 SN:1168 (5.25 GHz)	11/27/2021	7.860	78.60	80.80	-2.72	2.210	22.10	23.30	-5.15	
F	7/17/2021	Head	D5GHzV2 SN:1168 (5.25 GHz)	11/27/2021	7.500	75.00	80.80	-7.18	2.120	21.20	23.30	-9.01	41,42
F	7/21/2021	Head	D5GHzV2 SN:1168 (5.25 GHz)	11/27/2021	7.790	77.90	80.80	-3.59	2.200	22.00	23.30	-5.58	
F	7/26/2021	Head	D5GHzV2 SN:1168 (5.25 GHz)	11/27/2021	7.780	77.80	80.80	-3.71	2.210	22.10	23.30	-5.15	

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
G	6/14/2021	Head	D2450V2 SN:899	4/13/2022	5.390	53.90	50.96	5.77	2.510	25.10	23.89	5.06	
G	6/14/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	8.000	80.00	77.10	3.76	2.320	23.20	22.20	4.50	
G	6/14/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	9.130	91.30	84.70	7.79	2.630	26.30	24.20	8.68	
G	6/14/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	8.200	82.00	75.70	8.32	2.370	23.70	21.80	8.72	
G	6/18/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	8.420	84.20	77.10	9.21	2.440	24.40	22.20	9.91	
G	6/18/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	8.480	84.80	84.70	0.12	2.430	24.30	24.20	0.41	
G	6/18/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	8.010	80.10	75.70	5.81	2.310	23.10	21.80	5.96	
G	6/22/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.970	79.70	77.10	3.37	2.320	23.20	22.20	4.50	
G	6/22/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	8.680	86.80	84.70	2.48	2.470	24.70	24.20	2.07	
G	6/22/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	8.230	82.30	75.70	8.72	2.380	23.80	21.80	9.17	
G	6/26/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	8.470	84.70	84.70	0.00	2.420	24.20	24.20	0.00	
G	6/30/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	9.260	92.60	84.70	9.33	2.660	26.60	24.20	9.92	43,44
G	6/30/2021	Head	D2450V2 SN:899	4/13/2022	5.460	54.60	50.96	7.14	2.560	25.60	23.89	7.16	45,46
G	7/6/2021	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/27/2021	9.020	90.20	86.10	4.76	2.570	25.70	24.50	4.90	
G	7/10/2021	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/27/2021	8.380	83.80	86.10	-2.67	2.390	23.90	24.50	-2.45	
G	7/13/2021	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/27/2021	8.590	85.90	86.10	-0.23	2.430	24.30	24.50	-0.82	
G	7/17/2021	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/27/2021	8.610	86.10	86.10	0.00	2.460	24.60	24.50	0.41	
G	7/17/2021	Head	D5GHzV2 SN:1168 (5.25 GHz)	11/27/2021	7.880	78.80	80.80	-2.48	2.270	22.70	23.30	-2.58	
G	7/21/2021	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/27/2021	7.940	79.40	86.10	-7.78	2.270	22.70	24.50	-7.35	
G	7/25/2021	Head	D5GHzV2 SN:1168 (5.25 GHz)	11/27/2021	7.610	76.10	80.80	-5.82	2.190	21.90	23.30	-6.01	
G	7/25/2021	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/27/2021	7.930	79.30	86.10	-7.90	2.250	22.50	24.50	-8.16	47,48
G	7/27/2021	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/27/2021	8.060	80.60	78.00	3.33	2.300	23.00	22.40	2.68	
H	6/11/2021	Head	D2450V2 SN:748	2/19/2022	5.270	52.70	52.15	1.05	2.460	24.60	24.48	0.49	49,50
H	6/15/2021	Head	D2450V2 SN:706	4/23/2022	5.530	55.30	52.30	5.74	2.590	25.90	24.50	5.71	
H	6/15/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.950	79.50	77.10	3.11	2.330	23.30	22.20	4.95	
H	6/15/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	9.280	92.80	84.70	9.56	2.660	26.60	24.20	9.92	51,52
H	6/15/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	8.110	81.10	75.70	7.13	2.360	23.60	21.80	8.26	
H	6/19/2021	Head	D2450V2 SN:706	4/23/2022	5.400	54.00	52.30	3.25	2.540	25.40	24.50	3.67	
H	6/22/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	7.650	76.50	75.70	1.06	2.310	23.10	21.80	5.96	
H	6/23/2021	Head	D2450V2 SN:706	4/23/2022	4.970	49.70	52.30	-4.97	2.350	23.50	24.50	-4.08	
H	6/26/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	8.110	81.10	75.70	7.13	2.380	23.80	21.80	9.17	
H	6/28/2021	Head	D2450V2 SN:706	4/23/2022	5.240	52.40	52.30	0.19	2.480	24.80	24.50	1.22	
H	6/30/2021	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/27/2021	7.160	71.60	78.00	-8.21	2.110	21.10	22.40	-5.80	
H	7/2/2021	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/27/2021	7.550	75.50	78.00	-3.21	2.240	22.40	22.40	0.00	
H	7/6/2021	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/27/2021	8.120	81.20	78.00	4.10	2.380	23.80	22.40	6.25	
H	7/10/2021	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/27/2021	7.940	79.40	78.00	1.79	2.330	23.30	22.40	4.02	
H	7/14/2021	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/27/2021	7.090	70.90	78.00	-9.10	2.080	20.80	22.40	-7.14	53,54
H	7/16/2021	Head	D2450V2 SN:706	4/23/2022	5.600	56.00	52.30	7.07	2.690	26.90	24.50	9.80	55,56
H	7/18/2021	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/27/2021	7.430	74.30	78.00	-4.74	2.150	21.50	22.40	-4.02	
H	7/20/2021	Head	D2450V2 SN:899	4/13/2022	5.060	50.60	50.96	-0.71	2.400	24.00	23.89	0.46	
H	7/22/2021	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/27/2021	7.370	73.70	78.00	-5.51	2.160	21.60	22.40	-3.57	
H	7/24/2021	Head	D2450V2 SN:899	4/13/2022	5.390	53.90	50.96	5.77	2.570	25.70	23.89	7.58	57,58
H	7/26/2021	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/27/2021	8.390	83.90	78.00	7.56	2.450	24.50	22.40	9.38	

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
1	6/28/2021	Head	D2600V2 SN:1006	10/20/2021	5.320	53.20	51.36	3.58	2.380	23.80	23.41	1.67	
1	7/6/2021	Head	D2600V2 SN:1006	10/20/2021	4.940	49.40	51.36	-3.82	2.220	22.20	23.41	-5.17	
1	7/13/2021	Head	D2600V2 SN:1006	10/20/2021	5.430	54.30	51.36	5.72	2.440	24.40	23.41	4.23	59,60
2	6/25/2021	Head	D2600V2 SN:1006	10/20/2021	5.260	52.60	51.36	2.41	2.350	23.50	23.41	0.38	
2	6/29/2021	Head	D2600V2 SN:1006	10/20/2021	5.370	53.70	51.36	4.56	2.420	24.20	23.41	3.37	61,62
3	6/19/2021	Head	D3500V2 SN:1060	2/25/2022	6.490	64.90	62.10	4.51	2.480	24.80	23.53	5.40	63,64
3	6/19/2021	Head	D3700V2 SN:1039	4/16/2022	6.490	64.90	66.40	-2.26	2.410	24.10	24.00	0.42	
4	6/16/2021	Head	D3500V2 SN:1060	2/25/2022	6.390	63.90	62.10	2.90	2.480	24.80	23.53	5.40	
4	6/16/2021	Head	D3700V2 SN:1039	4/16/2022	6.620	66.20	66.40	-0.30	2.490	24.90	24.00	3.75	
4	6/20/2021	Head	D3500V2 SN:1060	2/25/2022	6.420	64.20	62.10	3.38	2.500	25.00	23.53	6.25	
4	6/20/2021	Head	D3700V2 SN:1039	4/16/2022	6.560	65.60	66.40	-1.20	2.460	24.60	24.00	2.50	
4	6/24/2021	Head	D3500V2 SN:1060	2/25/2022	6.400	64.00	62.10	3.06	2.490	24.90	23.53	5.82	
4	6/24/2021	Head	D3700V2 SN:1039	4/16/2022	6.180	61.80	66.40	-6.93	2.330	23.30	24.00	-2.92	
4	6/29/2021	Head	D3500V2 SN:1060	2/25/2022	6.580	65.80	62.10	5.96	2.550	25.50	23.53	8.37	
4	6/29/2021	Head	D3700V2 SN:1039	4/16/2022	6.240	62.40	66.40	-6.02	2.360	23.60	24.00	-1.67	
4	7/5/2021	Head	D3500V2 SN:1060	2/25/2022	6.520	65.20	62.10	4.99	2.540	25.40	23.53	7.95	
4	7/5/2021	Head	D3700V2 SN:1039	4/16/2022	6.740	67.40	66.40	1.51	2.540	25.40	24.00	5.83	
4	7/9/2021	Head	D3500V2 SN:1011	4/15/2022	6.060	60.60	62.90	-3.66	2.360	23.60	23.41	0.81	65,66
4	7/9/2021	Head	D3700V2 SN:1039	4/16/2022	6.840	68.40	66.40	3.01	2.570	25.70	24.00	7.08	
4	7/13/2021	Head	D3500V2 SN:1060	2/25/2022	6.010	60.10	62.10	-3.22	2.340	23.40	23.53	-0.55	
4	7/13/2021	Head	D3700V2 SN:1039	4/16/2022	6.720	67.20	66.40	1.20	2.540	25.40	24.00	5.83	
4	7/17/2021	Head	D3500V2 SN:1060	2/25/2022	6.510	65.10	62.10	4.83	2.530	25.30	23.53	7.52	
4	7/17/2021	Head	D3700V2 SN:1039	4/16/2022	6.680	66.80	66.40	0.60	2.510	25.10	24.00	4.58	
4	7/21/2021	Head	D3500V2 SN:1060	2/25/2022	5.670	56.70	62.10	-8.70	2.190	21.90	23.53	-6.93	67,68
4	7/21/2021	Head	D3700V2 SN:1039	4/16/2022	6.160	61.60	66.40	-7.23	2.310	23.10	24.00	-3.75	69,70
4	7/25/2021	Head	D3500V2 SN:1060	2/25/2022	6.160	61.60	62.10	-0.81	2.390	23.90	23.53	1.57	
4	7/25/2021	Head	D3700V2 SN:1039	4/16/2022	6.550	65.50	66.40	-1.36	2.460	24.60	24.00	2.50	
5	6/16/2021	Head	D2600V2 SN:1006	10/20/2021	5.280	52.80	51.36	2.80	2.370	23.70	23.41	1.24	
5	6/20/2021	Head	D2600V2 SN:1006	10/20/2021	5.180	51.80	51.36	0.86	2.340	23.40	23.41	-0.04	
5	6/24/2021	Head	D2600V2 SN:1006	10/20/2021	5.200	52.00	51.36	1.25	2.340	23.40	23.41	-0.04	
5	6/28/2021	Head	D2600V2 SN:1006	10/20/2021	4.910	49.10	51.36	-4.40	2.210	22.10	23.41	-5.60	
5	7/6/2021	Head	D2600V2 SN:1006	10/20/2021	5.570	55.70	51.36	8.45	2.500	25.00	23.41	6.79	
5	7/14/2021	Head	D2600V2 SN:1006	10/20/2021	4.700	47.00	51.36	-8.49	2.130	21.30	23.41	-9.01	
5	7/19/2021	Head	D2600V2 SN:1006	10/20/2021	5.620	56.20	51.36	9.42	2.540	25.40	23.41	8.50	71,72
5	7/23/2021	Head	D2600V2 SN:1006	10/20/2021	4.830	48.30	51.36	-5.96	2.180	21.80	23.41	-6.88	
5	7/27/2021	Head	D2600V2 SN:1006	10/20/2021	5.250	52.50	51.36	2.22	2.380	23.80	23.41	1.67	

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
6	6/16/2021	Head	D3500V2 SN:1011	4/15/2022	6.320	63.20	62.90	0.48	2.410	24.10	23.41	2.95	
6	6/17/2021	Head	D3700V2 SN:1039	4/16/2022	6.420	64.20	66.40	-3.31	2.380	23.80	24.00	-0.83	
6	6/18/2021	Head	D3900V2 SN:1052	8/3/2021	7.030	70.30	70.10	0.29	2.570	25.70	24.30	5.76	
6	6/20/2021	Head	D3700V2 SN:1039	4/16/2022	6.380	63.80	66.40	-3.92	2.400	24.00	24.00	0.00	
6	6/22/2021	Head	D3500V2 SN:1060	2/25/2022	6.710	67.10	62.10	8.05	2.570	25.70	23.53	9.22	73,74
6	6/22/2021	Head	D3900V2 SN:1052	8/3/2021	7.130	71.30	70.10	1.71	2.520	25.20	24.30	3.70	
6	6/26/2021	Head	D3500V2 SN:1060	2/25/2022	6.640	66.40	62.10	6.92	2.540	25.40	23.53	7.95	
6	6/26/2021	Head	D3700V2 SN:1039	4/16/2022	6.880	68.80	66.40	3.61	2.550	25.50	24.00	6.25	
6	6/26/2021	Head	D3900V2 SN:1052	8/3/2021	7.100	71.00	70.10	1.28	2.500	25.00	24.30	2.88	
6	6/30/2021	Head	D3500V2 SN:1011	4/15/2022	6.650	66.50	62.90	5.72	2.540	25.40	23.41	8.50	75,76
6	6/30/2021	Head	D3700V2 SN:1039	4/16/2022	7.040	70.40	66.40	6.02	2.640	26.40	24.00	10.00	77,78
6	6/30/2021	Head	D3900V2 SN:1052	8/3/2021	7.060	70.60	70.10	0.71	2.500	25.00	24.30	2.88	
6	7/5/2021	Head	D3500V2 SN:1060	2/25/2022	6.290	62.90	62.10	1.29	2.400	24.00	23.53	2.00	
6	7/5/2021	Head	D3700V2 SN:1039	4/16/2022	6.800	68.00	66.40	2.41	2.510	25.10	24.00	4.58	
6	7/5/2021	Head	D3900V2 SN:1052	8/3/2021	7.230	72.30	70.10	3.14	2.550	25.50	24.30	4.94	
6	7/9/2021	Head	D3500V2 SN:1011	4/15/2022	6.420	64.20	62.90	2.07	2.460	24.60	23.41	5.08	
6	7/9/2021	Head	D3700V2 SN:1039	4/16/2022	6.750	67.50	66.40	1.66	2.500	25.00	24.00	4.17	
6	7/9/2021	Head	D3900V2 SN:1052	8/3/2021	7.500	75.00	70.10	6.99	2.640	26.40	24.30	8.64	79,80
6	7/13/2021	Head	D3500V2 SN:1060	2/25/2022	6.520	65.20	62.10	4.99	2.480	24.80	23.53	5.40	
6	7/13/2021	Head	D3700V2 SN:1039	4/16/2022	6.920	69.20	66.40	4.22	2.560	25.60	24.00	6.67	
6	7/13/2021	Head	D3900V2 SN:1052	8/3/2021	7.160	71.60	70.10	2.14	2.520	25.20	24.30	3.70	
6	7/17/2021	Head	D3500V2 SN:1060	2/25/2022	6.250	62.50	62.10	0.64	2.400	24.00	23.53	2.00	
6	7/17/2021	Head	D3700V2 SN:1039	4/16/2022	7.020	70.20	66.40	5.72	2.600	26.00	24.00	8.33	
6	7/17/2021	Head	D3900V2 SN:1052	8/3/2021	7.380	73.80	70.10	5.28	2.600	26.00	24.30	7.00	
6	7/21/2021	Head	D3500V2 SN:1060	2/25/2022	6.350	63.50	62.10	2.25	2.440	24.40	23.53	3.70	
6	7/21/2021	Head	D3700V2 SN:1039	4/16/2022	6.520	65.20	66.40	-1.81	2.430	24.30	24.00	1.25	
6	7/21/2021	Head	D3900V2 SN:1052	8/3/2021	6.760	67.60	70.10	-3.57	2.390	23.90	24.30	-1.65	
6	7/24/2021	Head	D750V3 SN:1071	11/26/2021	0.785	7.85	8.44	-6.99	0.509	5.09	5.57	-8.62	81,82
6	7/26/2021	Head	D3900V2 SN:1052	8/3/2021	6.930	69.30	70.10	-1.14	2.440	24.40	24.30	0.41	
7	6/16/2021	Head	D2600V2 SN:1006	10/20/2021	5.400	54.00	51.36	5.14	2.420	24.20	23.41	3.37	
7	6/20/2021	Head	D2600V2 SN:1006	10/20/2021	5.440	54.40	51.36	5.92	2.440	24.40	23.41	4.23	
7	6/24/2021	Head	D2600V2 SN:1006	10/20/2021	4.860	48.60	51.36	-5.37	2.170	21.70	23.41	-7.30	
7	6/28/2021	Head	D2600V2 SN:1006	10/20/2021	4.980	49.80	51.36	-3.04	2.220	22.20	23.41	-5.17	
7	6/30/2021	Head	D3500V2 SN:1060	2/25/2022	6.410	64.10	62.10	3.22	2.450	24.50	23.53	4.12	83,84
7	7/6/2021	Head	D2600V2 SN:1006	10/20/2021	5.400	54.00	51.36	5.14	2.400	24.00	23.41	2.52	
7	7/12/2021	Head	D2600V2 SN:1006	10/20/2021	5.210	52.10	51.36	1.44	2.320	23.20	23.41	-0.90	
7	7/16/2021	Head	D2600V2 SN:1006	10/20/2021	5.100	51.00	51.36	-0.70	2.260	22.60	23.41	-3.46	
7	7/20/2021	Head	D2600V2 SN:1006	10/20/2021	4.890	48.90	51.36	-4.79	2.180	21.80	23.41	-6.88	
7	7/24/2021	Head	D2600V2 SN:1006	10/20/2021	4.790	47.90	51.36	-6.74	2.140	21.40	23.41	-8.59	
7	7/24/2021	Head	D835V2 SN:4d142	8/18/2021	0.851	8.51	9.36	-9.08	0.550	5.50	6.09	-9.69	85,86
7	7/28/2021	Head	D2600V2 SN:1006	10/20/2021	5.580	55.80	51.36	8.64	2.490	24.90	23.41	6.36	87,88

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
8	6/15/2021	Head	D3500V2 SN:1060	2/25/2022	6.070	60.70	62.10	-2.25	2.340	23.40	23.53	-0.55	
8	6/15/2021	Head	D3700V2 SN:1039	4/16/2022	6.080	60.80	66.40	-8.43	2.280	22.80	24.00	-5.00	
8	6/19/2021	Head	D3500V2 SN:1011	4/15/2022	6.080	60.80	62.90	-3.34	2.350	23.50	23.41	0.38	89,90
8	6/19/2021	Head	D3900V2 SN:1052	8/3/2021	6.970	69.70	70.10	-0.57	2.480	24.80	24.30	2.06	
8	6/23/2021	Head	D3500V2 SN:1060	2/25/2022	5.630	56.30	62.10	-9.34	2.180	21.80	23.53	-7.35	91,92
8	6/23/2021	Head	D3900V2 SN:1052	8/3/2021	6.930	69.30	70.10	-1.14	2.480	24.80	24.30	2.06	
8	6/27/2021	Head	D3500V2 SN:1060	2/25/2022	5.670	56.70	62.10	-8.70	2.190	21.90	23.53	-6.93	
8	6/27/2021	Head	D3900V2 SN:1052	8/3/2021	6.830	68.30	70.10	-2.57	2.460	24.60	24.30	1.23	
8	6/29/2021	Head	D3700V2 SN:1039	4/16/2022	6.950	69.50	66.40	4.67	2.610	26.10	24.00	8.75	
8	7/1/2021	Head	D3500V2 SN:1060	2/25/2022	5.750	57.50	62.10	-7.41	2.230	22.30	23.53	-5.23	
8	7/1/2021	Head	D3700V2 SN:1039	4/16/2022	6.260	62.60	66.40	-5.72	2.350	23.50	24.00	-2.08	
8	7/1/2021	Head	D3900V2 SN:1052	8/3/2021	6.670	66.70	70.10	-4.85	2.390	23.90	24.30	-1.65	
8	7/5/2021	Head	D3500V2 SN:1011	4/15/2022	6.340	63.40	62.90	0.79	2.410	24.10	23.41	2.95	
8	7/5/2021	Head	D3700V2 SN:1039	4/16/2022	6.680	66.80	66.40	0.60	2.500	25.00	24.00	4.17	
8	7/5/2021	Head	D3900V2 SN:1052	8/3/2021	6.610	66.10	70.10	-5.71	2.370	23.70	24.30	-2.47	
8	7/9/2021	Head	D3500V2 SN:1011	4/15/2022	6.380	63.80	62.90	1.43	2.470	24.70	23.41	5.51	
8	7/9/2021	Head	D3700V2 SN:1039	4/16/2022	6.240	62.40	66.40	-6.02	2.330	23.30	24.00	-2.92	
8	7/9/2021	Head	D3900V2 SN:1052	8/3/2021	6.730	67.30	70.10	-3.99	2.410	24.10	24.30	-0.82	
8	7/16/2021	Head	D3500V2 SN:1060	2/25/2022	6.550	65.50	62.10	5.48	2.530	25.30	23.53	7.52	
8	7/16/2021	Head	D3700V2 SN:1039	4/16/2022	6.380	63.80	66.40	-3.92	2.390	23.90	24.00	-0.42	
8	7/16/2021	Head	D3900V2 SN:1052	8/3/2021	6.890	68.90	70.10	-1.71	2.470	24.70	24.30	1.65	
8	7/20/2021	Head	D3500V2 SN:1060	2/25/2022	5.860	58.60	62.10	-5.64	2.260	22.60	23.53	-3.95	
8	7/20/2021	Head	D3700V2 SN:1039	4/16/2022	6.040	60.40	66.40	-9.04	2.260	22.60	24.00	-5.83	93,94
8	7/20/2021	Head	D3900V2 SN:1052	8/3/2021	6.400	64.00	70.10	-8.70	2.300	23.00	24.30	-5.35	95,96
8	7/24/2021	Head	D3500V2 SN:1060	2/25/2022	6.370	63.70	62.10	2.58	2.470	24.70	23.53	4.97	
8	7/24/2021	Head	D3700V2 SN:1039	4/16/2022	6.760	67.60	66.40	1.81	2.540	25.40	24.00	5.83	
8	7/24/2021	Head	D3900V2 SN:1052	8/3/2021	7.010	70.10	70.10	0.00	2.520	25.20	24.30	3.70	
10	6/14/2021	Head	D835V2 SN:4d142	8/18/2021	1.010	10.10	9.36	7.91	0.650	6.50	6.09	6.73	
10	6/17/2021	Head	D835V2 SN:4d142	8/18/2021	1.000	10.00	9.36	6.84	0.651	6.51	6.09	6.90	
10	6/20/2021	Head	D835V2 SN:4d142	8/18/2021	1.010	10.10	9.36	7.91	0.651	6.51	6.09	6.90	
10	6/24/2021	Head	D835V2 SN:4d142	8/18/2021	1.020	10.20	9.36	8.97	0.658	6.58	6.09	8.05	
10	6/28/2021	Head	D835V2 SN:4d117	5/11/2022	0.968	9.68	10.23	-5.38	0.622	6.22	6.69	-7.03	97,98
10	7/5/2021	Head	D835V2 SN:4d142	8/18/2021	0.914	9.14	9.36	-2.35	0.588	5.88	6.09	-3.45	
10	7/8/2021	Head	D835V2 SN:4d142	8/18/2021	1.020	10.20	9.36	8.97	0.664	6.64	6.09	9.03	99,100
10	722/2021	head	D835V2 SN:4d142	8/18/2021	1.010	10.10	9.36	7.91	0.657	6.57	6.09	7.88	

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
12	6/19/2021	Head	D750V3 SN:1024	5/11/2022	0.852	8.52	8.60	-0.93	0.558	5.58	5.69	-1.93	
12	6/22/2021	Head	D750V3 SN:1071	11/26/2021	0.810	8.10	8.44	-4.03	0.530	5.30	5.57	-4.85	101,102
12	6/25/2021	Head	D835V2 SN:4d142	8/18/2021	0.930	9.30	9.36	-0.64	0.607	6.07	6.09	-0.33	
12	6/29/2021	Head	D835V2 SN:4d142	8/18/2021	0.916	9.16	9.36	-2.14	0.596	5.96	6.09	-2.13	
12	6/30/2021	Head	D1750V2 SN:1077	10/16/2021	3.830	38.30	35.15	8.96	2.040	20.40	18.71	9.03	103,104
12	7/5/2021	Head	D835V2 SN:4d117	5/11/2022	0.984	9.84	10.23	-3.81	0.636	6.36	6.69	-4.93	
12	7/8/2021	head	D750V3 SN:1024	5/11/2022	0.790	7.90	8.60	-8.14	0.520	5.20	5.69	-8.61	105,106
12	7/8/2021	Head	D835V2 SN:4d117	5/11/2022	1.120	11.20	10.23	9.48	0.731	7.31	6.69	9.27	107,108
12	719/2021	Head	D835V2 SN:4d142	8/18/2021	0.982	9.82	9.36	4.91	0.637	6.37	6.09	4.60	109,110
13	6/22/2021	Head	D750V3 SN:1024	5/11/2022	0.812	8.12	8.60	-5.58	0.535	5.35	5.69	-5.98	
13	6/25/2021	Head	D750V3 SN:1024	5/11/2022	0.906	9.06	8.60	5.35	0.581	5.81	5.69	2.11	
13	6/28/2021	Head	D750V3 SN:1024	5/11/2022	0.938	9.38	8.60	9.07	0.605	6.05	5.69	6.33	111,112
13	7/8/2021	Head	D750V3 SN:1071	11/26/2021	0.825	8.25	8.44	-2.25	0.539	5.39	5.57	-3.23	113,114

9. Conducted Output Power Measurements

Power measurements were performed in accordance to the device's two power modes, Mode A and Mode B for each antenna. Mode A power is used when the device is used against the user's head or away from the body. Mode B power is used when the device is used in a Body-worn configuration by the user.

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

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

Two different powers are being displayed in this section:

- Target Output Power: Power not including the + tolerance
- Tune-Up Limit: Power of target + tolerance.

9.1. GSM

Per KDB 941225 D01 3G SAR Procedures:

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

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

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

Per October 2013 TCB Workshop:
When the maximum frame-averaged powers levels are within 0.25 dB of each other, test the configuration with the most number of time slots.

Output Power for GSM

SAR is not required for EDGE (8PSK) mode because the maximum output power and tune-up limit is ≤ 1/4dB higher than GPRS/EDGE (GMSK) or the adjusted SAR of the highest reported SAR of GPRS/EDGE (GMSK) is ≤ 1.2W/kg.

RF Air interface	Mode	Target Output Power (dBm)								Tolerance	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4			ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
GSM850	Voice/GPRS (1 slot)	32.50	32.50	31.00	31.00					1.0 / -1.0	33.50	33.50	32.00	32.00				
	GPRS 2 slots	31.50	31.50	30.00	30.00					1.0 / -1.0	32.50	32.50	31.00	31.00				
	EGPRS 1 slot	27.00	27.00	25.50	25.50					1.0 / -1.0	28.00	28.00	26.50	26.50				
	EGPRS 2 slots	26.00	26.00	24.50	24.50					1.0 / -1.0	27.00	27.00	25.50	25.50				
GSM1900	Voice/GPRS (1 slot)	31.00	26.30	28.00	28.20	30.00	28.90	28.00	28.00	1.0 / -1.0	32.00	27.30	29.00	29.20	31.00	29.90	29.00	29.00
	GPRS 2 slots	29.50	23.30	25.00	25.20	29.00	25.90	25.10	27.00	1.0 / -1.0	30.50	24.30	26.00	26.20	30.00	26.90	26.10	28.00
	EGPRS 1 slot	26.00	26.00	23.50	23.50	25.50	25.50	23.00	23.00	1.0 / -1.0	27.00	27.00	24.50	24.50	26.50	26.50	24.00	24.00
	EGPRS 2 slots	25.00	23.30	22.50	22.50	24.50	24.50	22.00	22.00	1.0 / -1.0	26.00	24.30	23.50	23.50	25.50	25.50	23.00	23.00

GSM850 Measured Results (ANT1)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	128	824.2	32.30	23.27	33.50	24.47	32.30	23.27	33.50	24.47
			190	836.6	32.81	23.78			32.81	23.78		
			251	848.8	32.70	23.67			32.70	23.67		
		2	128	824.2	31.39	25.37	32.50	**26.48**	31.39	25.37	32.50	**26.48**
			190	836.6	31.73	25.71			31.73	25.71		
			251	848.8	31.32	25.30			31.32	25.30		
EDGE (8PSK)	MCS5	1	128	824.2	26.83	22.57	28.00	18.97	26.83	22.57	28.00	18.97
			190	836.6	27.04	22.78			27.0	22.78		
			251	848.8	27.04	22.78			27.04	22.78		
		2	128	824.2	25.66	22.65	27.00	20.98	25.66	22.65	27.00	20.98
			190	836.6	26.03	23.02			26.0	23.02		
			251	848.8	26.04	23.03			26.04	23.03		

Note(s):

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

GSM850 Measured Results (ANT2)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	128	824.2	31.09	22.06	32.00	22.97	31.09	22.06	32.00	22.97
			190	836.6	31.08	22.05			31.08	22.05		
			251	848.8	31.16	22.13			31.16	22.13		
		2	128	824.2	30.42	24.40	31.00	**24.98**	30.42	24.40	31.00	**24.98**
			190	836.6	30.58	24.56			30.58	24.56		
			251	848.8	30.62	24.60			30.62	24.60		
EDGE (8PSK)	MCS5	1	128	824.2	25.75	21.49	26.50	17.47	25.75	21.49	26.50	17.47
			190	836.6	26.12	21.86			26.1	21.86		
			251	848.8	26.10	21.84			26.1	21.84		
		2	128	824.2	24.53	21.52	25.50	19.48	24.53	21.52	25.50	19.48
			190	836.6	24.92	21.91			24.9	21.91		
			251	848.8	24.89	21.88			24.89	21.88		

Note(s):

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

GSM1900 Measured Results (ANT1)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	512	1850.2	30.60	21.57	32.00	22.97	25.67	16.64	27.30	18.27
			661	1880.0	30.76	21.73			25.60	16.57		
			810	1909.8	31.04	22.01			25.65	16.62		
		2	512	1850.2	29.54	23.52	30.50	**24.48**	23.45	17.43	24.30	**18.28**
			661	1880.0	29.53	23.51			23.88	17.86		
			810	1909.8	29.81	23.79			23.87	17.85		
EDGE (8PSK)	MCS5	1	512	1850.2	25.66	16.63	27.00	17.97	25.52	16.49	27.00	17.97
			661	1880.0	25.78	16.75			25.59	16.56		
			810	1909.8	26.06	17.03			25.51	16.48		
		2	512	1850.2	24.96	18.94	26.00	19.98	22.65	16.63	24.30	**18.28**
			661	1880.0	24.74	18.72			22.54	16.52		
			810	1909.8	25.01	18.99			22.55	16.53		

Note(s):

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

GSM1900 Measured Results (ANT2)

Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
				Measured		Tune-up Limit		Measured		Tune-up Limit	
				Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
CS1	1	512	1850.2	28.12	19.09	29.00	19.97	28.46	19.43	29.20	20.17
		661	1880.0	28.40	19.37			28.55	19.52		
		810	1909.8	28.38	19.35			28.64	19.61		
	2	512	1850.2	25.59	19.57	26.00	**19.98**	25.85	19.83	26.20	**20.18**
		661	1880.0	25.68	19.66			25.89	19.87		
		810	1909.8	25.70	19.68			25.84	19.82		
MCS5	1	512	1850.2	23.78	14.75	24.50	15.47	23.78	14.75	24.50	15.47
		661	1880.0	23.99	14.96			23.99	14.96		
		810	1909.8	24.21	15.18			24.21	15.18		
	2	512	1850.2	22.74	16.72	23.50	17.48	22.74	16.72	23.50	17.48
		661	1880.0	22.76	16.74			22.76	16.74		
		810	1909.8	23.07	17.05			23.07	17.05		

Note(s):

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

GSM1900 Measured Results (ANT3)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	512	1850.2	30.10	21.07	31.00	21.97	29.19	20.16	29.90	20.87
			661	1880.0	30.30	21.27			29.32	20.29		
			810	1909.8	30.39	21.36			29.43	20.40		
		2	512	1850.2	29.02	23.00	30.00	**23.98**	25.95	19.93	26.90	**20.88**
			661	1880.0	29.25	23.23			26.06	20.04		
			810	1909.8	29.20	23.18			26.05	20.03		
EDGE (8PSK)	MCS5	1	512	1850.2	25.63	16.60	26.50	17.47	25.63	16.60	26.50	17.47
			661	1880.0	25.58	16.55			25.58	16.55		
			810	1909.8	25.91	16.88			25.91	16.88		
		2	512	1850.2	24.92	18.90	25.50	19.48	24.92	18.90	25.50	19.48
			661	1880.0	24.90	18.88			24.90	18.88		
			810	1909.8	25.18	19.16			25.18	19.16		

Note(s):

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

GSM1900 Measured Results (ANT4)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	512	1850.2	28.21	19.18	29.00	19.97	28.01	18.98	29.00	19.97
			661	1880.0	28.30	19.27			28.50	19.47		
			810	1909.8	28.30	19.27			28.53	19.50		
		2	512	1850.2	25.23	19.21	26.10	**20.08**	27.13	21.11	28.00	**21.98**
			661	1880.0	25.32	19.30			27.15	21.13		
			810	1909.8	25.45	19.43			27.05	21.03		
EDGE (8PSK)	MCS5	1	512	1850.2	23.20	14.17	24.00	14.97	23.20	14.17	24.00	14.97
			661	1880.0	23.10	14.07			23.10	14.07		
			810	1909.8	23.19	14.16			23.19	14.16		
		2	512	1850.2	22.03	16.01	23.00	16.98	22.03	16.01	23.00	16.98
			661	1880.0	22.08	16.06			22.08	16.06		
			810	1909.8	22.61	16.59			22.61	16.59		

Note(s):

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

9.2. W-CDMA

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

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

Release 99 Setup Procedures used to establish the test signals

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

Mode	Subtest	Rel99
WCDMA General Settings	Loopback Mode	Test Mode 2
	Rel99 RMC	12.2kbps RMC
	Power Control Algorithm	Algorithm2
	βc/βd	8/15

HSDPA Setup Procedures used to establish the test signals

The following 4 Sub-tests were completed according to Release 5 procedures in table C.10.1.4 of 3GPP TS 34.121-1
A summary of these settings are illustrated below:

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15 (Note 4)	15/15 (Note 4)	64	12/15 (Note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_c.

Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, Δ_{ACK} and Δ_{NACK} = 30/15 with β_{hs} = 30/15 * β_c, and Δ_{CQI} = 24/15 with β_{hs} = 24/15 * β_c.

Note 3: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.

Note 4: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 11/15 and β_d = 15/15.

HSUPA Setup Procedures used to establish the test signals

The following 5 Sub-tests were completed according to Release 6 procedures in table C.11.1.3 of 3GPP TS 34.121-1. A summary of these settings are illustrated below:

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note1)	β_{ec}	β_{ed} (Note 4) (Note 5)	β_{ed} (SF)	β_{ed} (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2) (Note 6)	AG Index (Note 5)	E-TFCI
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/225	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β_{ed}1: 47/15 β_{ed}2: 47/15	4 4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15	0	-	-	5/15	5/15	47/15	4	1	1.0	0.0	12	67

Note 1: For sub-test 1 to 4, Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_c. For sub-test 5, Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 5/15 with β_{hs} = 5/15 * β_c.

Note 2: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15. For all other combinations of DPDCH, DPCCH, HS- DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.

Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 10/15 and β_d = 15/15.

Note 4: In case of testing by UE using E-DPDCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.

Note 5: β_{ed} can not be set directly; it is set by Absolute Grant Value.

Note 6: For subtests 2, 3 and 4, UE may perform E-DPDCH power scaling at max power which could results in slightly smaller MPR values.

DC-HSDPA Setup Procedures used to establish the test signals

The following 4 Sub-tests for DC-HSDPA were completed according to Release 8 procedures in table C08.1.12 of 3GPP TS 34.121-1. A summary of subtest settings are illustrated below:

Table C.8.1.12: Fixed Reference Channel H-Set 12

Parameter	Unit	Value
Nominal Avg. Inf. Bit Rate	kbps	60
Inter-TTI Distance	TTI's	1
Number of HARQ Processes	Proces ses	6
Information Bit Payload (N_{INF})	Bits	120
Number Code Blocks	Blocks	1
Binary Channel Bits Per TTI	Bits	960
Total Available SML's in UE	SML's	19200
Number of SML's per HARQ Proc.	SML's	3200
Coding Rate		0.15
Number of Physical Channel Codes	Codes	1
Modulation		QPSK
Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table.		
Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.		

HSPA+ Setup Procedures used to establish the test signals

The following 1 Sub-test was completed according to Release 7 procedures in table C.11.1.4 of 3GPP TS34.121. A summary of these settings are illustrated below:

Table C.11.1.4: β values for transmitter characteristics tests with HS-DPCCH and E-DCH with 16QAM

Sub-test	β_c (Note3)	β_d	β_{HS} (Note1)	β_{ec}	β_{ed} (2xSF2) (Note 4)	β_{ed} (2xSF4) (Note 4)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 4)	E-TFCI (Note 5)	E-TFCI (boost)
1	1	0	30/15	30/15	β_{ed}1: 30/15 β_{ed}2: 30/15	β_{ed}3: 24/15 β_{ed}4: 24/15	3.5	2.5	14	105	105

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_c.
Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).
Note 3: DPDCH is not configured, therefore the β_c is set to 1 and β_d = 0 by default.
Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.
Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signalled to use the extrapolation algorithm.

Output Power for W-CDMA

SAR measurement is not required for the HSDPA, HSUPA, DC-HSDPA and HSPA+. When primary mode and the adjusted SAR is ≤ 1.2 W/kg and secondary mode is ≤ ¼ dB higher than the primary mode

RF Air interface	Mode	Target Output Power (dBm)								Tolerance	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4			ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
W-CDMA Band 2	R99	23.70	16.80	19.00	18.70	23.90	20.00	19.10	21.50	0.5 / -1.0	24.20	17.30	19.50	19.20	24.40	20.50	19.60	22.00
	HSDPA	23.70	16.80	19.00	18.70	23.90	20.00	19.10	21.50	0.5 / -1.0	24.20	17.30	19.50	19.20	24.40	20.50	19.60	22.00
	HSUPA	23.70	16.80	19.00	18.70	23.90	20.00	19.10	21.50	0.5 / -1.0	24.20	17.30	19.50	19.20	24.40	20.50	19.60	22.00
	DC-HSDPA	23.70	16.80	19.00	18.70	23.90	20.00	19.10	21.50	0.5 / -1.0	24.20	17.30	19.50	19.20	24.40	20.50	19.60	22.00
	HSPA+	23.70	16.80	19.00	18.70	23.90	20.00	19.10	21.50	0.5 / -1.0	24.20	17.30	19.50	19.20	24.40	20.50	19.60	22.00
W-CDMA Band 4	R99	24.50	20.00	17.10	17.80	24.70	21.00	19.80	21.00	0.5 / -1.0	25.00	20.50	17.60	18.30	25.20	21.50	20.30	21.50
	HSDPA	24.50	20.00	17.10	17.80	24.70	21.00	19.80	21.00	0.5 / -1.0	25.00	20.50	17.60	18.30	25.20	21.50	20.30	21.50
	HSUPA	24.50	20.00	17.10	17.80	24.70	21.00	19.80	21.00	0.5 / -1.0	25.00	20.50	17.60	18.30	25.20	21.50	20.30	21.50
	DC-HSDPA	24.50	20.00	17.10	17.80	24.70	21.00	19.80	21.00	0.5 / -1.0	25.00	20.50	17.60	18.30	25.20	21.50	20.30	21.50
	HSPA+	24.50	20.00	17.10	17.80	24.70	21.00	19.80	21.00	0.5 / -1.0	25.00	20.50	17.60	18.30	25.20	21.50	20.30	21.50
W-CDMA Band 5	R99	25.20	24.90	24.20	24.20					0.5 / -1.0	25.70	25.40	24.70	24.70				
	HSDPA	25.20	24.90	24.20	24.20					0.5 / -1.0	25.70	25.40	24.70	24.70				
	HSUPA	25.20	24.90	24.20	24.20					0.5 / -1.0	25.70	25.40	24.70	24.70				
	DC-HSDPA	25.20	24.90	24.20	24.20					0.5 / -1.0	25.70	25.40	24.70	24.70				
	HSPA+	25.20	24.90	24.20	24.20					0.5 / -1.0	25.70	25.40	24.70	24.70				

W-CDMA Band 2 Measured Results (ANT1)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	23.53	N/A	24.20	16.94	N/A	17.30
		9400	1880.0	23.37			16.84		
		9538	1907.6	23.45			16.86		
HSDPA	Subtest 1	9262	1852.4	22.86	0.00	24.20	16.14	0.00	17.30
		9400	1880.0	22.78			16.05		
		9538	1907.6	22.80			16.06		
	Subtest 2	9262	1852.4	22.83	0.00	24.20	16.10	0.00	17.30
		9400	1880.0	22.75			16.02		
		9538	1907.6	22.78			16.03		
	Subtest 3	9262	1852.4	22.35	0.50	23.70	15.59	0.50	16.80
		9400	1880.0	22.25			15.51		
		9538	1907.6	22.28			15.55		
	Subtest 4	9262	1852.4	22.32	0.50	23.70	15.59	0.50	16.80
		9400	1880.0	22.25			15.50		
		9538	1907.6	22.26			15.53		
HSUPA	Subtest 1	9262	1852.4	22.80	0.00	24.20	16.09	0.00	17.30
		9400	1880.0	22.72			16.00		
		9538	1907.6	22.78			16.04		
	Subtest 2	9262	1852.4	20.81	2.00	22.20	14.07	2.00	15.30
		9400	1880.0	20.72			14.03		
		9538	1907.6	20.74			14.06		
	Subtest 3	9262	1852.4	21.81	1.00	23.20	15.08	1.00	16.30
		9400	1880.0	21.73			15.01		
		9538	1907.6	21.76			15.04		
	Subtest 4	9262	1852.4	20.81	2.00	22.20	14.09	2.00	15.30
		9400	1880.0	20.73			14.02		
		9538	1907.6	20.74			14.02		
	Subtest 5	9262	1852.4	22.98	0.00	24.20	16.23	0.00	17.30
		9400	1880.0	22.90			16.15		
		9538	1907.6	22.92			16.19		
DC-HSDPA	Subtest 1	9262	1852.4	22.89	0.00	24.20	16.14	0.00	17.30
		9400	1880.0	22.81			16.06		
		9538	1907.6	22.82			16.09		
	Subtest 2	9262	1852.4	22.84	0.00	24.20	16.09	0.00	17.30
		9400	1880.0	22.76			16.02		
		9538	1907.6	22.79			16.06		
	Subtest 3	9262	1852.4	22.35	0.50	23.70	15.59	0.50	16.80
		9400	1880.0	22.29			15.53		
		9538	1907.6	22.29			15.55		
	Subtest 4	9262	1852.4	22.34	0.50	23.70	15.59	0.50	16.80
		9400	1880.0	22.26			15.50		
		9538	1907.6	22.29			15.50		
HSPA+	Subtest 1	9262	1852.4	21.38	2.50	21.70	14.34	2.50	14.80
		9400	1880.0	21.26			14.28		
		9538	1907.6	21.15			14.80		

W-CDMA Band 2 Measured Results (ANT2)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	18.58	N/A	19.50	18.40	N/A	19.20
		9400	1880.0	18.61			18.42		
		9538	1907.6	18.50			18.30		
HSDPA	Subtest 1	9262	1852.4	18.53	0.00	19.50	18.24	0.00	19.20
		9400	1880.0	18.55			18.28		
		9538	1907.6	18.50			18.29		
	Subtest 2	9262	1852.4	18.58	0.00	19.50	18.21	0.00	19.20
		9400	1880.0	18.52			18.23		
		9538	1907.6	18.55			18.28		
	Subtest 3	9262	1852.4	18.53	0.50	19.00	18.44	0.50	18.70
		9400	1880.0	18.58			18.47		
		9538	1907.6	18.52			18.38		
	Subtest 4	9262	1852.4	18.57	0.50	19.00	18.33	0.50	18.70
		9400	1880.0	18.59			18.35		
		9538	1907.6	18.54			18.29		
HSUPA	Subtest 1	9262	1852.4	18.63	0.00	19.50	18.28	0.00	19.20
		9400	1880.0	18.65			18.38		
		9538	1907.6	18.52			18.26		
	Subtest 2	9262	1852.4	17.11	2.00	17.50	16.73	2.00	17.20
		9400	1880.0	17.13			16.83		
		9538	1907.6	17.00			16.72		
	Subtest 3	9262	1852.4	17.86	1.00	18.50	17.92	1.00	18.20
		9400	1880.0	17.93			17.98		
		9538	1907.6	17.76			17.88		
	Subtest 4	9262	1852.4	17.10	2.00	17.50	16.78	2.00	17.20
		9400	1880.0	17.19			16.84		
		9538	1907.6	17.02			16.75		
	Subtest 5	9262	1852.4	18.66	0.00	19.50	18.33	0.00	19.20
		9400	1880.0	18.73			18.36		
		9538	1907.6	18.60			18.30		
DC-HSDPA	Subtest 1	9262	1852.4	18.57	0.00	19.50	18.42	0.00	19.20
		9400	1880.0	18.63			18.47		
		9538	1907.6	18.50			18.40		
	Subtest 2	9262	1852.4	18.53	0.00	19.50	18.35	0.00	19.20
		9400	1880.0	18.59			18.40		
		9538	1907.6	18.56			18.36		
	Subtest 3	9262	1852.4	18.56	0.50	19.00	18.31	0.50	18.70
		9400	1880.0	18.66			18.36		
		9538	1907.6	18.51			18.27		
	Subtest 4	9262	1852.4	18.60	0.50	19.00	18.33	0.50	18.70
		9400	1880.0	18.65			18.37		
		9538	1907.6	18.50			18.29		
HSPA+	Subtest 1	9262	1852.4	16.55	2.50	17.00	16.38	2.50	16.70
		9400	1880.0	16.50			16.34		
		9538	1907.6	16.60			16.40		

W-CDMA Band 2 Measured Results (ANT3)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	23.93	N/A	24.40	20.20	N/A	20.50
		9400	1880.0	23.95			20.30		
		9538	1907.6	23.94			20.31		
HSDPA	Subtest 1	9262	1852.4	23.82	0.00	24.40	19.76	0.00	20.50
		9400	1880.0	24.02			19.95		
		9538	1907.6	23.83			19.79		
	Subtest 2	9262	1852.4	23.77	0.00	24.40	19.72	0.00	20.50
		9400	1880.0	23.99			19.93		
		9538	1907.6	23.80			19.74		
	Subtest 3	9262	1852.4	23.27	0.50	23.90	19.23	0.50	20.00
		9400	1880.0	23.48			19.40		
		9538	1907.6	23.31			19.23		
	Subtest 4	9262	1852.4	23.25	0.50	23.90	19.22	0.50	20.00
		9400	1880.0	23.47			19.40		
		9538	1907.6	23.32			19.25		
HSUPA	Subtest 1	9262	1852.4	23.76	0.00	24.40	19.74	0.00	20.50
		9400	1880.0	23.98			19.92		
		9538	1907.6	23.80			19.76		
	Subtest 2	9262	1852.4	21.75	2.00	22.40	17.73	2.00	18.50
		9400	1880.0	21.97			17.92		
		9538	1907.6	21.80			17.73		
	Subtest 3	9262	1852.4	22.77	1.00	23.40	18.68	1.00	19.50
		9400	1880.0	22.96			18.92		
		9538	1907.6	22.79			18.76		
	Subtest 4	9262	1852.4	21.75	2.00	22.40	17.69	2.00	18.50
		9400	1880.0	21.96			17.92		
		9538	1907.6	21.80			17.76		
	Subtest 5	9262	1852.4	23.41	0.00	24.40	20.26	0.00	20.50
		9400	1880.0	23.51			20.47		
		9538	1907.6	23.47			20.29		
DC-HSDPA	Subtest 1	9262	1852.4	23.81	0.00	24.40	19.75	0.00	20.50
		9400	1880.0	24.04			19.97		
		9538	1907.6	23.86			19.79		
	Subtest 2	9262	1852.4	23.77	0.00	24.40	19.72	0.00	20.50
		9400	1880.0	23.99			19.93		
		9538	1907.6	23.81			19.76		
	Subtest 3	9262	1852.4	23.27	0.50	23.90	19.20	0.50	20.00
		9400	1880.0	23.49			19.41		
		9538	1907.6	23.32			19.25		
	Subtest 4	9262	1852.4	23.27	0.50	23.90	19.20	0.50	20.00
		9400	1880.0	23.48			19.42		
		9538	1907.6	23.33			19.25		
HSPA+	Subtest 1	9262	1852.4	21.37	2.50	21.90	17.36	2.50	18.00
		9400	1880.0	21.55			17.68		
		9538	1907.6	21.44			17.86		

W-CDMA Band 2 Measured Results (ANT4)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	19.04	N/A	19.60	21.25	N/A	22.00
		9400	1880.0	18.82			21.30		
		9538	1907.6	19.06			21.26		
HSDPA	Subtest 1	9262	1852.4	18.65	0.00	19.60	21.13	0.00	22.00
		9400	1880.0	18.42			20.91		
		9538	1907.6	18.66			21.16		
	Subtest 2	9262	1852.4	18.62	0.00	19.60	21.08	0.00	22.00
		9400	1880.0	18.39			20.88		
		9538	1907.6	18.62			21.11		
	Subtest 3	9262	1852.4	18.11	0.50	19.10	20.59	0.50	21.50
		9400	1880.0	17.93			20.36		
		9538	1907.6	18.16			20.64		
	Subtest 4	9262	1852.4	18.15	0.50	19.10	20.63	0.50	21.50
		9400	1880.0	17.90			20.38		
		9538	1907.6	18.15			20.63		
HSUPA	Subtest 1	9262	1852.4	18.60	0.00	19.60	21.07	0.00	22.00
		9400	1880.0	18.40			20.85		
		9538	1907.6	18.64			21.13		
	Subtest 2	9262	1852.4	16.56	2.00	17.60	19.07	2.00	20.00
		9400	1880.0	16.38			18.86		
		9538	1907.6	16.60			19.11		
	Subtest 3	9262	1852.4	17.61	1.00	18.60	20.06	1.00	21.00
		9400	1880.0	17.35			19.83		
		9538	1907.6	17.62			20.10		
	Subtest 4	9262	1852.4	16.58	2.00	17.60	19.07	2.00	20.00
		9400	1880.0	16.37			18.88		
		9538	1907.6	16.61			19.11		
	Subtest 5	9262	1852.4	18.95	0.00	19.60	21.23	0.00	22.00
		9400	1880.0	18.74			21.02		
		9538	1907.6	18.97			21.25		
DC-HSDPA	Subtest 1	9262	1852.4	18.66	0.00	19.60	21.13	0.00	22.00
		9400	1880.0	18.45			20.92		
		9538	1907.6	18.67			21.16		
	Subtest 2	9262	1852.4	18.62	0.00	19.60	21.10	0.00	22.00
		9400	1880.0	18.40			20.87		
		9538	1907.6	18.64			21.13		
	Subtest 3	9262	1852.4	18.11	0.50	19.10	20.58	0.50	21.50
		9400	1880.0	17.93			20.35		
		9538	1907.6	18.18			20.66		
	Subtest 4	9262	1852.4	18.16	0.50	19.10	20.62	0.50	21.50
		9400	1880.0	17.92			20.40		
		9538	1907.6	18.17			20.64		
HSPA+	Subtest 1	9262	1852.4	16.07	2.50	17.10	18.82	2.50	19.50
		9400	1880.0	16.22			19.03		
		9538	1907.6	16.27			19.07		

W-CDMA Band 4 Measured Results (ANT1)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	24.36	N/A	25.00	19.91	N/A	20.50
		1413	1732.6	24.32			19.88		
		1513	1752.6	24.33			19.94		
HSDPA	Subtest 1	1312	1712.4	24.34	0.00	25.00	19.12	0.00	20.50
		1413	1732.6	24.31			19.09		
		1513	1752.6	24.32			19.11		
	Subtest 2	1312	1712.4	24.35	0.00	25.00	19.12	0.00	20.50
		1413	1732.6	24.28			19.08		
		1513	1752.6	24.33			19.12		
	Subtest 3	1312	1712.4	23.83	0.50	24.50	18.64	0.50	20.00
		1413	1732.6	23.81			18.60		
		1513	1752.6	23.82			18.64		
	Subtest 4	1312	1712.4	23.84	0.50	24.50	18.63	0.50	20.00
		1413	1732.6	23.80			18.59		
		1513	1752.6	23.81			18.61		
HSUPA	Subtest 1	1312	1712.4	24.31	0.00	25.00	19.09	0.00	20.50
		1413	1732.6	24.26			19.04		
		1513	1752.6	24.29			19.09		
	Subtest 2	1312	1712.4	22.33	2.00	23.00	17.10	2.00	18.50
		1413	1732.6	22.30			17.08		
		1513	1752.6	22.32			17.15		
	Subtest 3	1312	1712.4	23.32	1.00	24.00	18.11	1.00	19.50
		1413	1732.6	23.27			18.08		
		1513	1752.6	23.30			18.12		
	Subtest 4	1312	1712.4	22.30	2.00	23.00	17.15	2.00	18.50
		1413	1732.6	22.31			17.08		
		1513	1752.6	22.33			17.14		
	Subtest 5	1312	1712.4	23.88	0.00	25.00	19.19	0.00	20.50
		1413	1732.6	23.86			19.16		
		1513	1752.6	23.87			19.21		
DC-HSDPA	Subtest 1	1312	1712.4	24.36	0.00	25.00	19.15	0.00	20.50
		1413	1732.6	24.30			19.12		
		1513	1752.6	24.31			19.13		
	Subtest 2	1312	1712.4	24.35	0.00	25.00	19.11	0.00	20.50
		1413	1732.6	24.30			19.10		
		1513	1752.6	24.32			19.12		
	Subtest 3	1312	1712.4	23.87	0.50	24.50	18.65	0.50	20.00
		1413	1732.6	23.82			18.60		
		1513	1752.6	23.83			18.63		
	Subtest 4	1312	1712.4	23.85	0.50	24.50	18.64	0.50	20.00
		1413	1732.6	23.82			18.61		
		1513	1752.6	23.76			18.63		
HSPA+	Subtest 1	1312	1712.4	22.32	2.50	22.50	18.00	2.50	18.00
		1413	1732.6	22.30			17.76		
		1513	1752.6	22.31			17.43		

W-CDMA Band 4 Measured Results (ANT2)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	17.20	N/A	17.60	17.80	N/A	18.30
		1413	1732.6	17.14			17.73		
		1513	1752.6	17.10			17.67		
HSDPA	Subtest 1	1312	1712.4	17.04	0.00	17.60	17.42	0.00	18.30
		1413	1732.6	16.95			17.31		
		1513	1752.6	16.89			17.30		
	Subtest 2	1312	1712.4	17.02	0.00	17.60	17.38	0.00	18.30
		1413	1732.6	16.91			17.30		
		1513	1752.6	16.87			17.30		
	Subtest 3	1312	1712.4	16.70	0.50	17.10	17.29	0.50	17.80
		1413	1732.6	16.61			17.21		
		1513	1752.6	16.56			17.16		
	Subtest 4	1312	1712.4	16.70	0.50	17.10	17.23	0.50	17.80
		1413	1732.6	16.63			17.13		
		1513	1752.6	16.58			17.09		
HSUPA	Subtest 1	1312	1712.4	16.99	0.00	17.60	17.78	0.00	18.30
		1413	1732.6	16.93			17.71		
		1513	1752.6	16.90			17.74		
	Subtest 2	1312	1712.4	14.83	2.00	15.60	15.63	2.00	16.30
		1413	1732.6	14.75			15.51		
		1513	1752.6	14.65			15.46		
	Subtest 3	1312	1712.4	16.01	1.00	16.60	16.69	1.00	17.30
		1413	1732.6	15.93			16.62		
		1513	1752.6	15.87			16.56		
	Subtest 4	1312	1712.4	14.83	2.00	15.60	15.63	2.00	16.30
		1413	1732.6	14.72			15.56		
		1513	1752.6	14.68			15.47		
	Subtest 5	1312	1712.4	16.60	0.00	17.60	17.35	0.00	18.30
		1413	1732.6	16.60			17.38		
		1513	1752.6	16.63			17.33		
DC-HSDPA	Subtest 1	1312	1712.4	17.07	0.00	17.60	17.75	0.00	18.30
		1413	1732.6	16.96			17.66		
		1513	1752.6	16.89			17.59		
	Subtest 2	1312	1712.4	17.04	0.00	17.60	17.73	0.00	18.30
		1413	1732.6	16.93			17.63		
		1513	1752.6	16.88			17.55		
	Subtest 3	1312	1712.4	16.70	0.50	17.10	17.22	0.50	17.80
		1413	1732.6	16.64			17.13		
		1513	1752.6	16.57			17.06		
	Subtest 4	1312	1712.4	16.70	0.50	17.10	17.25	0.50	17.80
		1413	1732.6	16.66			17.16		
		1513	1752.6	16.59			17.08		
HSPA+	Subtest 1	1312	1712.4	14.67	2.50	15.10	15.27	2.50	15.80
		1413	1732.6	14.63			15.19		
		1513	1752.6	14.68			15.28		

W-CDMA Band 4 Measured Results (ANT3)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	24.72	N/A	25.20	21.10	N/A	21.50
		1413	1732.6	24.68			21.18		
		1513	1752.6	24.65			21.15		
HSDPA	Subtest 1	1312	1712.4	24.70	0.00	25.20	21.07	0.00	21.50
		1413	1732.6	24.69			20.97		
		1513	1752.6	24.64			20.69		
	Subtest 2	1312	1712.4	24.71	0.00	25.20	21.07	0.00	21.50
		1413	1732.6	24.68			20.97		
		1513	1752.6	24.65			20.67		
	Subtest 3	1312	1712.4	24.21	0.50	24.70	20.57	0.50	21.00
		1413	1732.6	24.17			20.47		
		1513	1752.6	24.16			20.15		
	Subtest 4	1312	1712.4	24.20	0.50	24.70	20.49	0.50	21.00
		1413	1732.6	24.16			20.44		
		1513	1752.6	24.15			20.14		
HSUPA	Subtest 1	1312	1712.4	24.71	0.00	25.20	21.06	0.00	21.50
		1413	1732.6	24.65			20.96		
		1513	1752.6	24.63			20.67		
	Subtest 2	1312	1712.4	22.71	2.00	23.20	19.06	2.00	19.50
		1413	1732.6	22.67			18.93		
		1513	1752.6	22.62			18.65		
	Subtest 3	1312	1712.4	23.71	1.00	24.20	20.05	1.00	20.50
		1413	1732.6	23.66			19.94		
		1513	1752.6	23.61			19.65		
	Subtest 4	1312	1712.4	22.70	2.00	23.20	19.05	2.00	19.50
		1413	1732.6	22.66			18.94		
		1513	1752.6	22.63			18.64		
	Subtest 5	1312	1712.4	24.27	0.00	25.20	20.61	0.00	21.50
		1413	1732.6	24.24			20.52		
		1513	1752.6	24.20			20.71		
DC-HSDPA	Subtest 1	1312	1712.4	24.73	0.00	25.20	21.09	0.00	21.50
		1413	1732.6	24.69			20.99		
		1513	1752.6	24.62			20.68		
	Subtest 2	1312	1712.4	24.72	0.00	25.20	20.50	0.00	21.50
		1413	1732.6	24.69			20.90		
		1513	1752.6	24.64			20.52		
	Subtest 3	1312	1712.4	24.21	0.50	24.70	20.48	0.50	21.00
		1413	1732.6	24.18			20.38		
		1513	1752.6	24.13			20.05		
	Subtest 4	1312	1712.4	24.20	0.50	24.70	20.47	0.50	21.00
		1413	1732.6	24.17			20.37		
		1513	1752.6	24.13			20.06		
HSPA+	Subtest 1	1312	1712.4	22.33	2.50	22.70	18.47	2.50	19.00
		1413	1732.6	22.38			18.39		
		1513	1752.6	22.11			18.09		

W-CDMA Band 4 Measured Results (ANT4)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	19.69	N/A	20.30	20.90	N/A	21.50
		1413	1732.6	19.48			20.96		
		1513	1752.6	19.60			20.80		
HSDPA	Subtest 1	1312	1712.4	19.69	0.00	20.30	20.78	0.00	21.50
		1413	1732.6	19.39			20.73		
		1513	1752.6	19.31			20.55		
	Subtest 2	1312	1712.4	19.67	0.00	20.30	20.76	0.00	21.50
		1413	1732.6	19.37			20.71		
		1513	1752.6	19.31			20.53		
	Subtest 3	1312	1712.4	19.16	0.50	19.80	20.25	0.50	21.00
		1413	1732.6	18.86			20.20		
		1513	1752.6	18.88			20.01		
	Subtest 4	1312	1712.4	19.16	0.50	19.80	20.19	0.50	21.00
		1413	1732.6	18.85			20.18		
		1513	1752.6	18.80			20.00		
HSUPA	Subtest 1	1312	1712.4	19.65	0.00	20.30	20.75	0.00	21.50
		1413	1732.6	19.35			20.67		
		1513	1752.6	19.34			20.52		
	Subtest 2	1312	1712.4	17.68	2.00	18.30	18.75	2.00	19.50
		1413	1732.6	17.32			18.70		
		1513	1752.6	17.36			18.50		
	Subtest 3	1312	1712.4	18.64	1.00	19.30	19.75	1.00	20.50
		1413	1732.6	18.31			19.70		
		1513	1752.6	18.47			19.69		
	Subtest 4	1312	1712.4	17.66	2.00	18.30	18.77	2.00	19.50
		1413	1732.6	17.35			18.68		
		1513	1752.6	17.43			18.54		
	Subtest 5	1312	1712.4	19.66	0.00	20.30	20.75	0.00	21.50
		1413	1732.6	19.34			20.68		
		1513	1752.6	19.35			20.51		
DC-HSDPA	Subtest 1	1312	1712.4	19.71	0.00	20.30	20.79	0.00	21.50
		1413	1732.6	19.41			20.73		
		1513	1752.6	19.58			20.53		
	Subtest 2	1312	1712.4	19.70	0.00	20.30	20.78	0.00	21.50
		1413	1732.6	19.38			20.69		
		1513	1752.6	19.57			20.51		
	Subtest 3	1312	1712.4	19.20	0.50	19.80	20.26	0.50	21.00
		1413	1732.6	18.86			20.20		
		1513	1752.6	18.84			20.00		
	Subtest 4	1312	1712.4	19.18	0.50	19.80	20.26	0.50	21.00
		1413	1732.6	18.87			20.21		
		1513	1752.6	18.94			20.02		
HSPA+	Subtest 1	1312	1712.4	17.77	2.50	17.80	18.85	2.50	19.00
		1413	1732.6	17.80			18.78		
		1513	1752.6	17.61			18.71		

W-CDMA Band 5 Measured Results (ANT1)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	4132	826.4	25.49	N/A	25.70	25.21	N/A	25.40
		4183	836.6	25.44			25.15		
		4233	846.6	25.42			25.13		
HSDPA	Subtest 1	4132	826.4	24.50	0.00	25.70	24.19	0.00	25.40
		4183	836.6	24.42			24.14		
		4233	846.6	24.42			24.13		
	Subtest 2	4132	826.4	24.48	0.00	25.70	24.15	0.00	25.40
		4183	836.6	24.43			24.13		
		4233	846.6	24.41			24.12		
	Subtest 3	4132	826.4	23.99	0.50	25.20	23.70	0.50	24.90
		4183	836.6	23.93			23.63		
		4233	846.6	23.92			23.61		
	Subtest 4	4132	826.4	23.99	0.50	25.20	23.68	0.50	24.90
		4183	836.6	23.93			23.63		
		4233	846.6	23.91			23.60		
HSUPA	Subtest 1	4132	826.4	24.49	0.00	25.70	24.17	0.00	25.40
		4183	836.6	24.40			24.11		
		4233	846.6	24.40			24.13		
	Subtest 2	4132	826.4	22.49	2.00	23.70	22.20	2.00	23.40
		4183	836.6	22.43			22.13		
		4233	846.6	22.41			22.12		
	Subtest 3	4132	826.4	23.50	1.00	24.70	23.20	1.00	24.40
		4183	836.6	23.41			23.14		
		4233	846.6	23.42			23.12		
	Subtest 4	4132	826.4	22.49	2.00	23.70	22.18	2.00	23.40
		4183	836.6	22.44			22.12		
		4233	846.6	22.40			22.10		
	Subtest 5	4132	826.4	24.67	0.00	25.70	24.23	0.00	25.40
		4183	836.6	24.60			24.20		
		4233	846.6	24.57			24.18		
DC-HSDPA	Subtest 1	4132	826.4	24.51	0.00	25.70	24.19	0.00	25.40
		4183	836.6	24.46			24.12		
		4233	846.6	24.45			24.11		
	Subtest 2	4132	826.4	24.48	0.00	25.70	24.18	0.00	25.40
		4183	836.6	24.44			24.12		
		4233	846.6	24.41			24.10		
	Subtest 3	4132	826.4	24.01	0.50	25.20	23.69	0.50	24.90
		4183	836.6	23.93			23.63		
		4233	846.6	23.92			23.60		
	Subtest 4	4132	826.4	24.00	0.50	25.20	23.67	0.50	24.90
		4183	836.6	23.94			23.62		
		4233	846.6	23.91			23.60		
HSPA+	Subtest 1	4132	826.4	23.00	2.50	23.20	22.65	2.50	22.90
		4183	836.6	22.95			22.64		
		4233	846.6	22.92			22.59		

W-CDMA Band 5 Measured Results (ANT2)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	4132	826.4	24.55	N/A	24.70	24.55	N/A	24.70
		4183	836.6	24.50			24.50		
		4233	846.6	24.44			24.44		
HSDPA	Subtest 1	4132	826.4	23.34	0.00	24.70	23.34	0.00	24.70
		4183	836.6	23.28			23.28		
		4233	846.6	23.25			23.25		
	Subtest 2	4132	826.4	23.38	0.00	24.70	23.38	0.00	24.70
		4183	836.6	23.31			23.31		
		4233	846.6	23.24			23.24		
	Subtest 3	4132	826.4	22.85	0.50	24.20	22.85	0.50	24.20
		4183	836.6	22.79			22.79		
		4233	846.6	22.72			22.72		
	Subtest 4	4132	826.4	22.85	0.50	24.20	22.85	0.50	24.20
		4183	836.6	22.79			22.79		
		4233	846.6	22.72			22.72		
HSUPA	Subtest 1	4132	826.4	23.36	0.00	24.70	23.36	0.00	24.70
		4183	836.6	23.31			23.31		
		4233	846.6	23.25			23.25		
	Subtest 2	4132	826.4	21.36	2.00	22.70	21.36	2.00	22.70
		4183	836.6	21.32			21.32		
		4233	846.6	21.25			21.25		
	Subtest 3	4132	826.4	22.34	1.00	23.70	22.34	1.00	23.70
		4183	836.6	22.29			22.29		
		4233	846.6	22.24			22.24		
	Subtest 4	4132	826.4	21.35	2.00	22.70	21.35	2.00	22.70
		4183	836.6	21.31			21.31		
		4233	846.6	21.24			21.24		
	Subtest 5	4132	826.4	23.22	0.00	24.70	23.22	0.00	24.70
		4183	836.6	23.25			23.25		
		4233	846.6	23.21			23.21		
DC-HSDPA	Subtest 1	4132	826.4	23.26	0.00	24.70	23.26	0.00	24.70
		4183	836.6	23.28			23.28		
		4233	846.6	23.23			23.23		
	Subtest 2	4132	826.4	23.35	0.00	24.70	23.35	0.00	24.70
		4183	836.6	23.30			23.30		
		4233	846.6	23.23			23.23		
	Subtest 3	4132	826.4	22.85	0.50	24.20	22.85	0.50	24.20
		4183	836.6	22.78			22.78		
		4233	846.6	22.70			22.70		
	Subtest 4	4132	826.4	22.83	0.50	24.20	22.83	0.50	24.20
		4183	836.6	22.79			22.79		
		4233	846.6	22.70			22.70		
HSPA+	Subtest 1	4132	826.4	22.00	2.50	22.20	22.20	2.50	22.20
		4183	836.6	21.91			22.11		
		4233	846.6	21.96			22.16		

9.3. CDMA

1x Advanced Setup Procedures used to establish the test signals

Call box setup procedure

- Protocol Rev > 6 (IS-2000-0)
- System ID: 331; NID: 65535, Reg. Ch. #.:
- Radio Config (RC) > Fwd11,Rvs8
- Service Option (SO) Setup > SO75 (Loopback)
- Traffic Data Rate > Full
- Rvs Power Ctrl > All Up bits (Maximum TxPout)
- Reverse Power Control Mode: 00-200 to 400 bps
- Smart blanking was disabled.

1xEV-DO Rev. B Setup Procedures used to establish the test signals

Call box setup procedure

- CMW 500 Signal Generator > 1xEV-DO Taskbar Enable
- CMW 500 1xEV-DO Signaling Configuration Window >
- 1xEV-DO Signaling On Window:
  Under Access Network Control:
  Band Class: BC0: US Cellular
  RF Channel: 31
  1xEV-DO Power: -70 dBm
  Release B

- 1xEV-DO Signaling Configuration Window

  Under RF Frequency Band / Channel: Enter Ch. Frequency
  - Under Carrier Configuration: RF Frequency
    For Two Carriers: Low Channel (1013)

	RF Channel	RF Channel Offset
Carrier [0]	31	0
Carrier [1]	1013	982

  - Under Carrier Configuration: RF Pilot

	Carrier Sector	Active on AN	Assigned to AT
Pilot [0]	C0/S0	✓	✓
	CA/S1	✓	✓

  For Three Carriers: Low Channel (1013)

	RF Channel	RF Channel Offset
Carrier [0]	72	0
Carrier [1]	31	-41
Carrier [2]	1013	941

  - Under Carrier Configuration: RF Pilot

	Carrier Sector	Active on AN	Assigned to AT
Pilot [0]	C0/S0	✓	✓
Pilot [1]	C1/S1	✓	✓
Pilot [2]	C2/S2	✓	✓

- Rvs Power Ctrl > All Up bits (to get the maximum power)

Output Power for CDMA

SAR for next to the ear head exposure is measured in RC3 with the handset configured to transmit at full rate in SO55. The 3G SAR test reduction procedure is applied to RC1 with RC3 as the primary mode

Body-worn accessory SAR is measured in RC3 with the handset configured in TDSO/SO32 to transmit at full rate on FCH only with all other code channels disabled. The body-worn accessory procedures in KDB Publication 447498 D01 are applied. The 3G SAR test reduction procedure is applied to the multiple code channel configuration (FCH+SCHn), with FCH only as the primary mode.

When VOIP is supported by Ev-Do devices for next to the ear use, head exposure SAR is required.

SAR measurement is not required for the 1xEVDO Rev. A, Rev. B and 1x-Advanced. When primary mode and the adjusted SAR is ≤ 1.2 W/kg and secondary mode is ≤ ¼ dB higher than the primary mode

RF Air interface	Mode	Target Output Power (dBm)								Tolerance	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4			ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
CDMA BC0	1xRTT	22.00	22.00	21.50	21.50					0.5 / -1.0	22.50	22.50	22.00	22.00				
	1xAdvanced	22.00	22.00	21.50	21.50					0.5 / -1.0	22.50	22.50	22.00	22.00				
	1xEVDO Rel. 0	22.00	22.00	21.50	21.50					0.5 / -1.0	22.50	22.50	22.00	22.00				
	1xEVDO Rev. A	22.00	22.00	21.50	21.50					0.5 / -1.0	22.50	22.50	22.00	22.00				
CDMA BC1	1xRTT	23.70	16.80	19.00	18.70					0.5 / -1.0	24.20	17.30	19.50	19.20				
	1xAdvanced	23.70	16.80	19.00	18.70					0.5 / -1.0	24.20	17.30	19.50	19.20				
	1xEVDO Rel. 0	23.70	16.80	19.00	18.70					0.5 / -1.0	24.20	17.30	19.50	19.20				
	1xEVDO Rev. A	23.70	16.80	19.00	18.70					0.5 / -1.0	24.20	17.30	19.50	19.20				
CDMA BC10	1xRTT	25.20	24.90	24.20	24.20					0.5 / -1.0	25.70	25.40	24.70	24.70				
	1xAdvanced	25.20	24.90	24.20	24.20					0.5 / -1.0	25.70	25.40	24.70	24.70				
	1xEVDO Rel. 0	25.20	24.90	24.20	24.20					0.5 / -1.0	25.70	25.40	24.70	24.70				
	1xEVDO Rev. A	25.20	24.90	24.20	24.20					0.5 / -1.0	25.70	25.40	24.70	24.70				

CDMA BC0, BC1, and BC10 are not supported on ANT3 and ANT4

CDMA BC0 Measured Results (ANT1)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	1013	824.70	22.01	22.50	22.01	22.50
		384	836.52	22.05		22.05	
		777	848.31	21.98		21.98	
	RC3, SO55 (Loopback)	1013	824.70	22.23		22.23	
		384	836.52	22.21		22.21	
		777	848.31	22.20		22.20	
	RC3, SO32 (+F-SCH)	1013	824.70	22.22		22.22	
		384	836.52	22.18		22.18	
		777	848.31	22.15		22.15	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	1013	824.70	22.02	22.50	22.02	22.50
		384	836.52	21.97		21.97	
		777	848.31	21.91		21.91	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	1013	824.70	22.15	22.50	22.15	22.50
		384	836.52	22.16		22.16	
		777	848.31	22.15		22.15	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	1013	824.70	21.93	22.50	21.93	22.50
		384	836.52	21.98		21.98	
		777	848.31	22.07		22.07	

CDMA BC0 Measured Results (ANT2)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	1013	824.70	21.40	22.00	21.40	22.00
		384	836.52	21.45		21.45	
		777	848.31	21.23		21.23	
	RC3, SO55 (Loopback)	1013	824.70	21.39		21.39	
		384	836.52	21.45		21.45	
		777	848.31	21.28		21.28	
	RC3, SO32 (+F-SCH)	1013	824.70	21.46		21.46	
		384	836.52	21.47		21.47	
		777	848.31	21.26		21.26	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	1013	824.70	21.09	22.00	21.09	22.00
		384	836.52	21.16		21.16	
		777	848.31	21.07		21.07	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	1013	824.70	21.19	22.00	21.19	22.00
		384	836.52	21.22		21.22	
		777	848.31	21.13		21.13	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	1013	824.70	21.14	22.00	21.14	22.00
		384	836.52	21.12		21.12	
		777	848.31	21.16		21.16	

CDMA BC1 Measured Results (ANT1)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	25	1851.25	23.52	24.20	16.61	17.30
		600	1880.00	23.43		16.60	
		1175	1908.75	23.47		16.54	
	RC3, SO55 (Loopback)	25	1851.25	23.72		16.60	
		600	1880.00	23.66		16.62	
		1175	1908.75	23.72		16.52	
	RC3, SO32 (+F-SCH)	25	1851.25	23.70		16.75	
		600	1880.00	23.67		16.70	
		1175	1908.75	23.66		16.70	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	25	1851.25	23.42	24.20	16.61	17.30
		600	1880	23.47		16.53	
		1175	1908.75	23.53		16.54	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	25	1851.25	23.48	24.20	16.59	17.30
		600	1880.00	23.42		16.55	
		1175	1908.75	23.35		16.56	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	25	1851.25	23.31	24.20	16.60	17.30
		600	1880	23.34		16.55	
		1175	1908.75	23.34		16.51	

CDMA BC1 Measured Results (ANT2)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	25	1851.25	19.00	19.50	19.02	19.20
		600	1880.00	19.12		19.00	
		1175	1908.75	19.05		18.96	
	RC3, SO55 (Loopback)	25	1851.25	19.08		19.00	
		600	1880.00	19.13		18.98	
		1175	1908.75	18.90		18.92	
	RC3, SO32 (+F-SCH)	25	1851.25	19.05		19.18	
		600	1880.00	19.11		18.96	
		1175	1908.75	19.08		18.82	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	25	1851.25	18.98	19.50	18.93	19.20
		600	1880	19.01		19.02	
		1175	1908.75	18.96		18.97	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	25	1851.25	19.00	19.50	18.95	19.20
		600	1880.00	18.97		19.06	
		1175	1908.75	18.98		18.90	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	25	1851.25	19.01	19.50	18.98	19.20
		600	1880	18.96		18.94	
		1175	1908.75	19.02		18.91	

CDMA BC10 Measured Results (ANT1)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	560	820.00	25.44	25.70	25.12	25.40
	RC3, SO55 (Loopback)	560	820.00	25.47		25.25	
	RC3, SO32 (+F-SCH)	560	820.00	25.48		25.20	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	560	820.00	25.35	25.70	25.12	25.40
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	560	820.00	25.48	25.70	25.22	25.40
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	560	820.00	25.38	25.70	25.14	25.40

CDMA BC10 Measured Results (ANT2)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	560	820.00	24.35	24.70	24.35	24.70
	RC3, SO55 (Loopback)	560	820.00	24.40		24.40	
	RC3, SO32 (+F-SCH)	560	820.00	24.35		24.35	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	560	820.00	24.33	24.70	24.33	24.70
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	560	820.00	24.35	24.70	24.35	24.70
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	560	820.00	24.34	24.70	24.34	24.70

9.4. LTE

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

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

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

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

The allowed A-MPR values specified below in Table 6.2.4.-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of “NS_01”.

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

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

Output Power for LTE

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

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

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

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

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

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

RF Air interface	Mode	Target Output Power (dBm)								Tolerance	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4			ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
LTE Band 2	QPSK	23.70	16.80	19.00	18.70	23.90	20.00	19.10	21.50	0.5 / -1.0	24.20	17.30	19.50	19.20	24.40	20.50	19.60	22.00
LTE Band 4	QPSK	24.50	20.00	17.10	17.80	24.70	21.00	19.80	21.00	0.5 / -1.0	25.00	20.50	17.60	18.30	25.20	21.50	20.30	21.50
LTE Band 5	QPSK	24.70	24.40	23.70	23.70					1.0 / -1.0	25.70	25.40	24.70	24.70				
LTE Band 7	QPSK	24.70	19.50	17.20	18.00	22.70	17.90	17.40	18.50	1.0 / -1.0	25.70	20.50	18.20	19.00	23.70	18.90	18.40	19.50
LTE Band 12	QPSK	25.20	25.20	24.20	24.20					0.5 / -1.0	25.70	25.70	24.70	24.70				
LTE Band 13	QPSK	25.20	25.20	24.20	24.20					0.5 / -1.0	25.70	25.70	24.70	24.70				
LTE Band 14	QPSK	25.20	25.20	24.20	24.20					0.5 / -1.0	25.70	25.70	24.70	24.70				
LTE Band 17	QPSK	25.20	25.20	24.20	24.20					0.5 / -1.0	25.70	25.70	24.70	24.70				
LTE Band 25	QPSK	23.70	16.80	19.00	18.70	23.90	20.00	19.10	21.50	0.5 / -1.0	24.20	17.30	19.50	19.20	24.40	20.50	19.60	22.00
LTE Band 26	QPSK	25.20	24.90	24.20	24.20					0.5 / -1.0	25.70	25.40	24.70	24.70				
LTE Band 30	QPSK	25.20	20.60	19.10	20.00	21.80	19.20	18.30	20.10	0.5 / -1.0	25.70	21.10	19.60	20.50	22.30	19.70	18.80	20.60
LTE Band 41 (PC3)	QPSK	24.70	20.70	17.70	19.80	24.20	19.80	18.80	20.50	1.0 / -1.0	25.70	21.70	18.70	20.80	25.20	20.80	19.80	21.50
LTE Band 41 (PC 2)	QPSK	26.50	20.70	17.70	19.80	26.00	19.80	18.80	20.50	1.0 / -1.0	27.50	21.70	18.70	20.80	27.00	20.80	19.80	21.50
LTE Band 66	QPSK	24.00	19.50	16.60	17.30	24.20	20.50	19.30	20.50	1.0 / -1.0	25.00	20.50	17.60	18.30	25.20	21.50	20.30	21.50
LTE Band 71	QPSK	25.20	25.20	24.20	24.20					0.5 / -1.0	25.70	25.70	24.70	24.70				
RF Air interface	Mode	Target Output Power (dBm)								Tolerance	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT7		ANT8		ANT9		ANT4			ANT7		ANT8		ANT9		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
LTE Band 48	QPSK	24.70	20.90	20.50	22.00	24.20	21.10	21.50	21.50	1.0 / -1.0	25.70	21.90	21.50	23.00	25.20	22.10	22.50	22.50

LTE Band 5 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)				
				20525	MPR	Tune-up Limit	20525	MPR	Tune-up Limit		
				836.5 MHz			836.5 MHz				
10 MHz	QPSK	1	0	25.26	0.00	25.70	25.09	0.00	25.40		
		1	25	25.30	0.00	25.70	25.10	0.00	25.40		
		1	49	25.26	0.00	25.70	25.07	0.00	25.40		
		25	0	24.33	1.00	24.70	24.42	0.70	24.70		
		25	12	24.41	1.00	24.70	24.47	0.70	24.70		
		25	25	24.38	1.00	24.70	24.45	0.70	24.70		
		50	0	24.40	1.00	24.70	24.49	0.70	24.70		
	16QAM	1	0	24.14	1.00	24.70	24.16	0.70	24.70		
		1	25	24.06	1.00	24.70	24.03	0.70	24.70		
		1	49	24.11	1.00	24.70	24.10	0.70	24.70		
		25	0	23.14	2.00	23.70	23.16	1.70	23.70		
		25	12	23.20	2.00	23.70	23.22	1.70	23.70		
		25	25	23.18	2.00	23.70	23.19	1.70	23.70		
		50	0	23.16	2.00	23.70	23.18	1.70	23.70		
	64QAM	1	0	23.21	2.00	23.70	23.23	1.70	23.70		
		1	25	23.26	2.00	23.70	23.21	1.70	23.70		
		1	49	23.23	2.00	23.70	23.20	1.70	23.70		
		25	0	22.11	3.00	22.70	22.11	2.70	22.70		
		25	12	22.17	3.00	22.70	22.17	2.70	22.70		
		25	25	22.12	3.00	22.70	22.10	2.70	22.70		
		50	0	22.09	3.00	22.70	22.10	2.70	22.70		
	256QAM	1	0	20.10	5.00	20.70	20.09	4.70	20.70		
		1	25	20.09	5.00	20.70	20.07	4.70	20.70		
		1	49	20.14	5.00	20.70	20.14	4.70	20.70		
		25	0	20.14	5.00	20.70	20.12	4.70	20.70		
		25	12	20.16	5.00	20.70	20.18	4.70	20.70		
		25	25	20.12	5.00	20.70	20.15	4.70	20.70		
		50	0	20.12	5.00	20.70	20.11	4.70	20.70		

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20425.00	20525.00	20625.00	MPR	Tune-up Limit	20425.00	20525.00	20625.00	MPR	Tune-up Limit
				826.5 MHz	836.5 MHz	846.5 MHz			826.5 MHz	836.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	25.24	25.21	25.11	0.00	25.70	24.79	24.92	25.02	0.00	25.40
		1	12	25.10	25.09	25.11	0.00	25.70	24.72	24.80	24.96	0.00	25.40
		1	24	25.06	25.04	25.11	0.00	25.70	24.67	24.74	24.86	0.00	25.40
		12	0	24.13	24.04	24.13	1.00	24.70	24.04	24.06	24.17	0.70	24.70
		12	7	24.17	24.08	24.11	1.00	24.70	24.11	24.11	24.18	0.70	24.70
		12	13	24.12	24.05	24.13	1.00	24.70	24.05	24.05	24.20	0.70	24.70
		25	0	24.14	24.07	24.08	1.00	24.70	24.09	24.11	24.15	0.70	24.70
	16QAM	1	0	24.34	24.27	24.38	1.00	24.70	24.35	24.31	24.40	0.70	24.70
		1	12	24.31	24.19	24.37	1.00	24.70	24.28	24.23	24.40	0.70	24.70
		1	24	24.22	24.19	24.34	1.00	24.70	24.27	24.19	24.30	0.70	24.70
		12	0	23.22	23.15	23.29	2.00	23.70	23.23	23.18	23.27	1.70	23.70
		12	7	23.27	23.14	23.25	2.00	23.70	23.24	23.22	23.25	1.70	23.70
		12	13	23.20	23.10	23.32	2.00	23.70	23.22	23.11	23.30	1.70	23.70
		25	0	23.13	23.13	23.18	2.00	23.70	23.17	23.12	23.11	1.70	23.70
	64QAM	1	0	23.10	23.16	23.29	2.00	23.70	23.25	23.12	23.21	1.70	23.70
		1	12	23.11	23.15	23.39	2.00	23.70	23.25	23.13	23.24	1.70	23.70
		1	24	23.12	23.17	23.36	2.00	23.70	23.21	23.12	23.21	1.70	23.70
		12	0	22.11	22.17	22.17	3.00	22.70	22.09	22.11	22.22	2.70	22.70
		12	7	22.10	22.17	22.13	3.00	22.70	22.08	22.10	22.20	2.70	22.70
		12	13	22.11	22.18	22.19	3.00	22.70	22.02	22.09	22.18	2.70	22.70
		25	0	22.12	22.17	22.04	3.00	22.70	22.02	22.10	22.21	2.70	22.70
	256QAM	1	0	20.17	19.84	20.12	5.00	20.70	20.01	19.89	20.29	4.70	20.70
		1	12	20.21	19.88	20.18	5.00	20.70	20.10	19.86	20.31	4.70	20.70
		1	24	20.13	19.83	20.01	5.00	20.70	19.97	19.82	20.22	4.70	20.70
		12	0	20.07	19.98	20.09	5.00	20.70	20.01	20.00	20.12	4.70	20.70
		12	7	20.10	20.04	20.09	5.00	20.70	20.08	20.04	20.14	4.70	20.70
		12	13	20.06	20.03	20.12	5.00	20.70	19.99	20.02	20.15	4.70	20.70
		25	0	20.05	20.09	20.07	5.00	20.70	20.06	20.08	20.05	4.70	20.70

LTE Band 5 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20415.00	20525.00	20635.00			20415.00	20525.00	20635.00		
				825.5 MHz	836.5 MHz	847.5 MHz			825.5 MHz	836.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	25.08	25.00	25.15	0.00	25.70	24.75	24.69	24.79	0.00	25.40
		1	8	24.93	24.94	25.06	0.00	25.70	24.64	24.59	24.72	0.00	25.40
		1	14	25.01	24.94	25.14	0.00	25.70	24.67	24.64	24.74	0.00	25.40
		8	0	24.16	23.99	24.10	1.00	24.70	24.07	24.00	24.11	0.70	24.70
		8	4	24.14	24.04	24.12	1.00	24.70	24.06	24.06	24.07	0.70	24.70
		8	7	24.14	24.07	24.15	1.00	24.70	24.05	24.08	24.20	0.70	24.70
		15	0	24.12	24.05	24.10	1.00	24.70	24.07	24.07	24.11	0.70	24.70
	16QAM	1	0	24.21	24.13	24.38	1.00	24.70	24.20	24.06	24.31	0.70	24.70
		1	8	24.16	23.95	24.33	1.00	24.70	24.18	23.97	24.21	0.70	24.70
		1	14	24.15	23.95	24.23	1.00	24.70	24.17	23.95	24.21	0.70	24.70
		8	0	23.21	23.13	23.20	2.00	23.70	23.17	23.15	23.19	1.70	23.70
		8	4	23.20	23.15	23.17	2.00	23.70	23.18	23.20	23.18	1.70	23.70
		8	7	23.19	23.16	23.25	2.00	23.70	23.15	23.22	23.27	1.70	23.70
		15	0	23.14	23.10	23.18	2.00	23.70	23.15	23.12	23.09	1.70	23.70
	64QAM	1	0	22.80	23.02	23.35	2.00	23.70	23.28	23.01	22.98	1.70	23.70
		1	8	22.81	23.02	23.36	2.00	23.70	23.11	23.01	22.96	1.70	23.70
		1	14	22.80	23.03	23.30	2.00	23.70	23.18	23.00	22.97	1.70	23.70
		8	0	21.80	22.02	22.03	3.00	22.70	21.99	22.00	21.97	2.70	22.70
		8	4	21.79	22.02	22.03	3.00	22.70	22.02	22.01	21.97	2.70	22.70
		8	7	21.80	22.03	22.12	3.00	22.70	22.01	22.01	22.00	2.70	22.70
		15	0	21.80	22.03	22.15	3.00	22.70	22.06	22.01	22.00	2.70	22.70
	256QAM	1	0	19.80	20.12	20.01	5.00	20.70	19.97	20.11	19.95	4.70	20.70
		1	8	19.74	20.08	20.12	5.00	20.70	20.00	20.08	19.87	4.70	20.70
		1	14	19.75	20.07	19.99	5.00	20.70	19.92	20.06	19.88	4.70	20.70
		8	0	19.96	20.08	20.22	5.00	20.70	20.16	20.10	20.03	4.70	20.70
		8	4	20.00	20.16	20.18	5.00	20.70	20.11	20.11	19.98	4.70	20.70
		8	7	19.98	20.12	20.27	5.00	20.70	20.11	20.10	20.09	4.70	20.70
		15	0	20.11	20.09	20.13	5.00	20.70	20.08	20.09	20.17	4.70	20.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20407.00	20525.00	20643.00			20407.00	20525.00	20643.00		
				824.7 MHz	836.5 MHz	848.3 MHz			824.7 MHz	836.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	24.89	24.99	25.11	0.00	25.70	24.68	24.60	24.85	0.00	25.40
		1	3	24.94	25.10	25.07	0.00	25.70	24.79	24.66	24.84	0.00	25.40
		1	5	24.90	24.96	25.05	0.00	25.70	24.67	24.59	24.80	0.00	25.40
		3	0	24.92	24.91	25.04	0.00	25.70	24.02	23.99	24.15	0.70	24.70
		3	1	24.95	24.97	25.10	0.00	25.70	24.05	24.05	24.26	0.70	24.70
		3	3	24.94	24.96	25.10	0.00	25.70	24.04	24.06	24.23	0.70	24.70
		6	0	23.97	24.01	24.11	1.00	24.70	23.98	24.03	24.15	0.70	24.70
	16QAM	1	0	23.99	24.12	24.15	1.00	24.70	24.10	24.04	24.18	0.70	24.70
		1	3	24.08	24.10	24.23	1.00	24.70	24.07	24.13	24.31	0.70	24.70
		1	5	24.04	24.09	24.05	1.00	24.70	24.09	24.03	24.09	0.70	24.70
		3	0	24.18	24.12	24.32	1.00	24.70	23.11	23.23	23.39	1.70	23.70
		3	1	24.29	24.11	24.38	1.00	24.70	23.10	23.25	23.40	1.70	23.70
		3	3	24.21	24.09	24.36	1.00	24.70	23.09	23.23	23.36	1.70	23.70
		6	0	23.18	23.20	23.06	2.00	23.70	23.19	23.22	23.10	1.70	23.70
	64QAM	1	0	22.70	22.71	23.27	2.00	23.70	23.00	22.71	22.85	1.70	23.70
		1	3	22.72	22.72	23.31	2.00	23.70	23.22	22.70	22.91	1.70	23.70
		1	5	22.70	22.71	23.22	2.00	23.70	23.08	22.70	22.87	1.70	23.70
		3	0	22.70	22.75	23.11	2.00	23.70	22.38	21.71	21.89	2.70	22.70
		3	1	22.70	22.75	23.14	2.00	23.70	21.98	21.70	21.89	2.70	22.70
		3	3	22.70	22.75	23.14	2.00	23.70	21.98	21.74	21.88	2.70	22.70
		6	0	22.25	22.34	22.16	3.00	22.70	21.99	22.29	22.40	2.70	22.70
	256QAM	1	0	20.09	20.03	20.31	5.00	20.70	20.08	20.05	20.07	4.70	20.70
		1	3	20.29	20.25	20.38	5.00	20.70	20.28	20.25	20.13	4.70	20.70
		1	5	20.14	20.06	20.20	5.00	20.70	20.10	20.07	20.03	4.70	20.70
		3	0	19.95	20.03	20.12	5.00	20.70	20.07	19.96	20.16	4.70	20.70
		3	1	19.98	19.98	20.17	5.00	20.70	20.07	19.98	20.21	4.70	20.70
		3	3	19.96	19.93	20.13	5.00	20.70	20.00	19.94	20.17	4.70	20.70
		6	0	19.92	19.90	20.10	5.00	20.70	19.90	19.92	20.14	4.70	20.70

LTE Band 5 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)				
				20525	MPR	Tune-up Limit	20525	MPR	Tune-up Limit		
				836.5 MHz			836.5 MHz				
10 MHz	QPSK	1	0	24.31	0.00	24.70	24.31	0.00	24.70		
		1	25	24.35	0.00	24.70	24.35	0.00	24.70		
		1	49	24.26	0.00	24.70	24.26	0.00	24.70		
		25	0	23.20	1.00	23.70	23.20	1.00	23.70		
		25	12	23.31	1.00	23.70	23.31	1.00	23.70		
		25	25	23.27	1.00	23.70	23.27	1.00	23.70		
		50	0	23.31	1.00	23.70	23.31	1.00	23.70		
	16QAM	1	0	23.38	1.00	23.70	23.38	1.00	23.70		
		1	25	23.33	1.00	23.70	23.33	1.00	23.70		
		1	49	23.36	1.00	23.70	23.36	1.00	23.70		
		25	0	22.00	2.00	22.70	22.00	2.00	22.70		
		25	12	22.05	2.00	22.70	22.05	2.00	22.70		
		25	25	22.01	2.00	22.70	22.01	2.00	22.70		
		50	0	22.03	2.00	22.70	22.03	2.00	22.70		
	64QAM	1	0	22.11	2.00	22.70	22.11	2.00	22.70		
		1	25	22.11	2.00	22.70	22.11	2.00	22.70		
		1	49	22.20	2.00	22.70	22.20	2.00	22.70		
		25	0	21.04	3.00	21.70	21.04	3.00	21.70		
		25	12	21.10	3.00	21.70	21.10	3.00	21.70		
		25	25	21.09	3.00	21.70	21.09	3.00	21.70		
		50	0	21.03	3.00	21.70	21.03	3.00	21.70		
	256QAM	1	0	18.80	5.00	19.70	18.80	5.00	19.70		
		1	25	18.81	5.00	19.70	18.81	5.00	19.70		
		1	49	18.91	5.00	19.70	18.91	5.00	19.70		
		25	0	19.06	5.00	19.70	19.06	5.00	19.70		
		25	12	19.10	5.00	19.70	19.10	5.00	19.70		
		25	25	19.04	5.00	19.70	19.04	5.00	19.70		
		50	0	19.01	5.00	19.70	19.01	5.00	19.70		

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20425.00	20525.00	20625.00	MPR	Tune-up Limit	20425.00	20525.00	20625.00	MPR	Tune-up Limit
				826.5 MHz	836.5 MHz	846.5 MHz			826.5 MHz	836.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	23.98	24.12	24.15	0.00	24.70	23.98	24.12	24.15	0.00	24.70
		1	12	23.92	23.97	23.99	0.00	24.70	23.92	23.97	23.99	0.00	24.70
		1	24	23.87	23.93	23.94	0.00	24.70	23.87	23.93	23.94	0.00	24.70
		12	0	22.93	22.93	23.00	1.00	23.70	22.93	22.93	23.00	1.00	23.70
		12	7	23.01	22.98	22.96	1.00	23.70	23.01	22.98	22.96	1.00	23.70
		12	13	22.90	22.91	23.01	1.00	23.70	22.90	22.91	23.01	1.00	23.70
		25	0	22.92	22.97	22.94	1.00	23.70	22.92	22.97	22.94	1.00	23.70
	16QAM	1	0	23.03	22.86	22.92	1.00	23.70	23.03	22.86	22.92	1.00	23.70
		1	12	22.95	22.77	22.91	1.00	23.70	22.95	22.77	22.91	1.00	23.70
		1	24	22.92	22.71	22.83	1.00	23.70	22.92	22.71	22.83	1.00	23.70
		12	0	22.10	22.03	22.07	2.00	22.70	22.10	22.03	22.07	2.00	22.70
		12	7	22.15	22.07	22.07	2.00	22.70	22.15	22.07	22.07	2.00	22.70
		12	13	22.09	22.02	22.11	2.00	22.70	22.09	22.02	22.11	2.00	22.70
		25	0	22.04	21.98	21.92	2.00	22.70	22.04	21.98	21.92	2.00	22.70
	64QAM	1	0	22.21	22.04	22.07	2.00	22.70	22.21	22.04	22.07	2.00	22.70
		1	12	22.22	22.03	22.05	2.00	22.70	22.22	22.03	22.05	2.00	22.70
		1	24	22.17	22.02	22.08	2.00	22.70	22.17	22.02	22.08	2.00	22.70
		12	0	21.02	21.03	21.08	3.00	21.70	21.02	21.03	21.08	3.00	21.70
		12	7	21.05	21.02	21.10	3.00	21.70	21.05	21.02	21.10	3.00	21.70
		12	13	21.02	21.01	21.11	3.00	21.70	21.02	21.01	21.11	3.00	21.70
		25	0	21.00	21.00	21.10	3.00	21.70	21.00	21.00	21.10	3.00	21.70
	256QAM	1	0	18.99	18.77	19.16	5.00	19.70	18.99	18.77	19.16	5.00	19.70
		1	12	19.01	18.81	19.18	5.00	19.70	19.01	18.81	19.18	5.00	19.70
		1	24	18.91	18.73	19.06	5.00	19.70	18.91	18.73	19.06	5.00	19.70
		12	0	18.92	18.91	18.98	5.00	19.70	18.92	18.91	18.98	5.00	19.70
		12	7	19.00	18.99	19.01	5.00	19.70	19.00	18.99	19.01	5.00	19.70
		12	13	18.97	18.94	19.00	5.00	19.70	18.97	18.94	19.00	5.00	19.70
		25	0	19.01	19.02	18.89	5.00	19.70	19.01	19.02	18.89	5.00	19.70

LTE Band 5 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20415.00	20525.00	20635.00			20415.00	20525.00	20635.00		
				825.5 MHz	836.5 MHz	847.5 MHz			825.5 MHz	836.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	23.87	23.91	23.99	0.00	24.70	23.87	23.91	23.99	0.00	24.70
		1	8	23.81	23.76	23.84	0.00	24.70	23.81	23.76	23.84	0.00	24.70
		1	14	23.82	23.82	23.88	0.00	24.70	23.82	23.82	23.88	0.00	24.70
		8	0	22.99	22.97	22.91	1.00	23.70	22.99	22.97	22.91	1.00	23.70
		8	4	22.98	22.94	22.91	1.00	23.70	22.98	22.94	22.91	1.00	23.70
		8	7	22.97	22.97	22.95	1.00	23.70	22.97	22.97	22.95	1.00	23.70
		15	0	22.97	22.96	22.89	1.00	23.70	22.97	22.96	22.89	1.00	23.70
	16QAM	1	0	22.95	23.05	23.38	1.00	23.70	22.95	23.05	23.38	1.00	23.70
		1	8	22.88	22.95	23.31	1.00	23.70	22.88	22.95	23.31	1.00	23.70
		1	14	22.85	22.95	23.37	1.00	23.70	22.85	22.95	23.37	1.00	23.70
		8	0	22.11	22.07	22.00	2.00	22.70	22.11	22.07	22.00	2.00	22.70
		8	4	22.08	22.03	22.00	2.00	22.70	22.08	22.03	22.00	2.00	22.70
		8	7	22.07	21.99	22.05	2.00	22.70	22.07	21.99	22.05	2.00	22.70
		15	0	22.00	21.95	21.97	2.00	22.70	22.00	21.95	21.97	2.00	22.70
	64QAM	1	0	22.03	22.13	22.00	2.00	22.70	22.03	22.13	22.00	2.00	22.70
		1	8	22.05	22.10	21.99	2.00	22.70	22.05	22.10	21.99	2.00	22.70
		1	14	22.00	22.10	21.98	2.00	22.70	22.00	22.10	21.98	2.00	22.70
		8	0	21.09	21.11	21.00	3.00	21.70	21.09	21.11	21.00	3.00	21.70
		8	4	21.05	21.11	20.97	3.00	21.70	21.05	21.11	20.97	3.00	21.70
		8	7	21.03	21.10	20.98	3.00	21.70	21.03	21.10	20.98	3.00	21.70
		15	0	21.05	21.09	20.99	3.00	21.70	21.05	21.09	20.99	3.00	21.70
	256QAM	1	0	18.78	18.86	19.18	5.00	19.70	18.78	18.86	19.18	5.00	19.70
		1	8	18.70	19.01	19.13	5.00	19.70	18.70	19.01	19.13	5.00	19.70
		1	14	18.70	18.86	19.11	5.00	19.70	18.70	18.86	19.11	5.00	19.70
		8	0	18.95	19.13	18.99	5.00	19.70	18.95	19.13	18.99	5.00	19.70
		8	4	18.96	19.11	19.01	5.00	19.70	18.96	19.11	19.01	5.00	19.70
		8	7	18.97	19.08	19.03	5.00	19.70	18.97	19.08	19.03	5.00	19.70
		15	0	19.07	19.06	18.98	5.00	19.70	19.07	19.06	18.98	5.00	19.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20407.00	20525.00	20643.00			20407.00	20525.00	20643.00		
				824.7 MHz	836.5 MHz	848.3 MHz			824.7 MHz	836.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	24.17	24.16	24.17	0.00	24.70	24.17	24.16	24.17	0.00	24.70
		1	3	24.19	24.21	24.20	0.00	24.70	24.19	24.21	24.20	0.00	24.70
		1	5	24.14	24.16	24.11	0.00	24.70	24.14	24.16	24.11	0.00	24.70
		3	0	24.15	24.09	24.15	0.00	24.70	24.15	24.09	24.15	0.00	24.70
		3	1	24.20	24.15	24.18	0.00	24.70	24.20	24.15	24.18	0.00	24.70
		3	3	24.21	24.11	24.20	0.00	24.70	24.21	24.11	24.20	0.00	24.70
		6	0	23.19	23.21	23.24	1.00	23.70	23.19	23.21	23.24	1.00	23.70
	16QAM	1	0	23.24	22.98	22.98	1.00	23.70	23.24	22.98	22.98	1.00	23.70
		1	3	23.38	22.97	23.04	1.00	23.70	23.38	22.97	23.04	1.00	23.70
		1	5	23.24	22.97	22.99	1.00	23.70	23.24	22.97	22.99	1.00	23.70
		3	0	23.43	23.29	23.42	1.00	23.70	23.43	23.29	23.42	1.00	23.70
		3	1	23.46	23.25	23.53	1.00	23.70	23.46	23.25	23.53	1.00	23.70
		3	3	23.42	23.24	23.53	1.00	23.70	23.42	23.24	23.53	1.00	23.70
		6	0	22.15	22.40	22.47	2.00	22.70	22.15	22.40	22.47	2.00	22.70
	64QAM	1	0	22.66	21.98	22.02	2.00	22.70	22.66	21.98	22.02	2.00	22.70
		1	3	22.62	21.98	22.00	2.00	22.70	22.62	21.98	22.00	2.00	22.70
		1	5	22.47	21.97	22.03	2.00	22.70	22.47	21.97	22.03	2.00	22.70
		3	0	22.57	21.93	22.02	2.00	22.70	22.57	21.93	22.02	2.00	22.70
		3	1	22.53	21.94	22.04	2.00	22.70	22.53	21.94	22.04	2.00	22.70
		3	3	22.59	21.92	22.03	2.00	22.70	22.59	21.92	22.03	2.00	22.70
		6	0	21.19	21.17	21.24	3.00	21.70	21.19	21.17	21.24	3.00	21.70
	256QAM	1	0	19.27	19.23	19.21	5.00	19.70	19.27	19.23	19.21	5.00	19.70
		1	3	19.51	19.42	19.27	5.00	19.70	19.51	19.42	19.27	5.00	19.70
		1	5	19.33	19.28	19.17	5.00	19.70	19.33	19.28	19.17	5.00	19.70
		3	0	19.22	19.23	19.31	5.00	19.70	19.22	19.23	19.31	5.00	19.70
		3	1	19.27	19.21	19.35	5.00	19.70	19.27	19.21	19.35	5.00	19.70
		3	3	19.22	19.21	19.31	5.00	19.70	19.22	19.21	19.31	5.00	19.70
		6	0	19.13	19.14	19.29	5.00	19.70	19.13	19.14	19.29	5.00	19.70

LTE Band 7 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20850	21100	21350			20850	21100	21350		
				2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	25.21	25.30	25.14	0.00	25.70	19.75	19.80	19.42	0.00	20.50
		1	49	25.25	25.33	25.31	0.00	25.70	19.78	19.82	19.65	0.00	20.50
		1	99	25.20	25.31	25.32	0.00	25.70	19.57	19.69	19.64	0.00	20.50
		50	0	24.32	24.43	24.32	1.00	24.70	19.70	19.68	19.54	0.00	20.50
		50	24	24.35	24.45	24.44	1.00	24.70	19.75	19.75	19.71	0.00	20.50
		50	50	24.30	24.41	24.40	1.00	24.70	19.71	19.70	19.70	0.00	20.50
		100	0	24.32	24.43	24.42	1.00	24.70	19.75	19.75	19.66	0.00	20.50
	16QAM	1	0	24.27	24.03	24.08	1.00	24.70	19.60	19.65	19.55	0.00	20.50
		1	49	24.24	24.07	24.27	1.00	24.70	19.60	19.74	19.57	0.00	20.50
		1	99	24.07	24.08	24.22	1.00	24.70	19.41	19.75	19.69	0.00	20.50
		50	0	23.19	22.95	22.89	2.00	23.70	19.88	19.66	19.59	0.00	20.50
		50	24	23.12	23.00	23.06	2.00	23.70	19.87	19.69	19.75	0.00	20.50
		50	50	23.04	22.98	23.05	2.00	23.70	19.72	19.66	19.75	0.00	20.50
		100	0	23.09	22.98	23.04	2.00	23.70	19.77	19.68	19.67	0.00	20.50
	64QAM	1	0	23.11	22.97	23.26	2.00	23.70	19.83	19.53	19.55	0.00	20.50
		1	49	23.11	22.98	22.92	2.00	23.70	19.81	19.53	19.55	0.00	20.50
		1	99	23.12	22.99	23.05	2.00	23.70	19.83	19.52	19.55	0.00	20.50
		50	0	22.11	22.01	22.04	3.00	22.70	19.71	19.50	19.55	0.00	20.50
		50	24	22.12	22.03	22.03	3.00	22.70	19.72	19.50	19.54	0.00	20.50
		50	50	22.13	22.01	21.71	3.00	22.70	19.57	19.51	19.55	0.00	20.50
		100	0	22.14	22.01	21.85	3.00	22.70	19.53	19.53	19.56	0.00	20.50
	256QAM	1	0	20.27	20.07	19.93	5.00	20.70	19.76	19.50	19.66	0.00	20.50
		1	49	20.23	20.13	19.90	5.00	20.70	19.85	19.55	19.81	0.00	20.50
		1	99	20.16	20.16	20.02	5.00	20.70	19.61	19.56	19.89	0.00	20.50
		50	0	20.24	19.98	20.04	5.00	20.70	19.72	19.65	19.59	0.00	20.50
		50	24	20.18	20.04	20.02	5.00	20.70	19.70	19.67	19.73	0.00	20.50
		50	50	20.10	20.00	20.07	5.00	20.70	19.54	19.67	19.76	0.00	20.50
		100	0	20.07	19.93	20.07	5.00	20.70	19.57	19.65	19.65	0.00	20.50
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20825.00	21100.00	21375.00			20825.00	21100.00	21375.00		
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	25.09	24.94	24.86	0.00	25.70	19.64	19.50	19.50	0.00	20.50
		1	37	25.11	24.95	24.99	0.00	25.70	19.61	19.51	19.57	0.00	20.50
		1	74	25.02	24.94	24.87	0.00	25.70	19.56	19.50	19.59	0.00	20.50
		36	0	24.24	23.99	23.94	1.00	24.70	19.71	19.61	19.59	0.00	20.50
		36	20	24.27	24.03	24.09	1.00	24.70	19.65	19.66	19.73	0.00	20.50
		36	39	24.16	24.00	24.05	1.00	24.70	19.61	19.64	19.72	0.00	20.50
		75	0	24.20	23.95	24.03	1.00	24.70	19.58	19.62	19.67	0.00	20.50
	16QAM	1	0	24.12	23.87	23.83	1.00	24.70	19.61	19.50	19.79	0.00	20.50
		1	37	24.14	23.98	23.98	1.00	24.70	19.75	19.53	19.87	0.00	20.50
		1	74	23.98	23.93	23.87	1.00	24.70	19.63	19.50	19.82	0.00	20.50
		36	0	23.19	22.98	22.95	2.00	23.70	19.70	19.58	19.50	0.00	20.50
		36	20	23.21	22.99	23.07	2.00	23.70	19.65	19.66	19.60	0.00	20.50
		36	39	23.18	22.97	23.03	2.00	23.70	19.60	19.64	19.57	0.00	20.50
		75	0	23.26	22.99	23.04	2.00	23.70	19.79	19.63	19.54	0.00	20.50
	64QAM	1	0	23.06	22.90	23.08	2.00	23.70	19.72	19.80	19.57	0.00	20.50
		1	37	23.07	22.89	23.26	2.00	23.70	19.82	19.77	19.59	0.00	20.50
		1	74	23.09	22.91	23.22	2.00	23.70	19.66	19.72	19.60	0.00	20.50
		36	0	22.09	21.94	21.97	3.00	22.70	19.80	19.75	19.60	0.00	20.50
		36	20	22.09	21.93	22.10	3.00	22.70	19.72	19.72	19.60	0.00	20.50
		36	39	22.08	21.93	22.07	3.00	22.70	19.70	19.74	19.61	0.00	20.50
		75	0	22.08	21.93	22.09	3.00	22.70	19.66	19.75	19.60	0.00	20.50
	256QAM	1	0	19.98	20.19	20.07	5.00	20.70	19.44	19.59	19.72	0.00	20.50
		1	37	20.00	20.21	20.20	5.00	20.70	19.50	19.63	19.89	0.00	20.50
		1	74	19.93	20.23	20.19	5.00	20.70	19.34	19.64	19.87	0.00	20.50
		36	0	20.22	20.00	19.91	5.00	20.70	19.72	19.39	19.42	0.00	20.50
		36	20	20.24	20.03	20.04	5.00	20.70	19.67	19.43	19.56	0.00	20.50
		36	39	20.15	20.02	20.05	5.00	20.70	19.61	19.42	19.54	0.00	20.50
		75	0	20.18	20.01	20.02	5.00	20.70	19.58	19.43	19.53	0.00	20.50

LTE Band 7 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20800.00	21100.00	21400.00	MPR	Tune-up Limit	20800.00	21100.00	21400.00	MPR	Tune-up Limit
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	25.07	24.85	25.00	0.00	25.70	19.50	19.39	19.40	0.00	20.50
		1	25	25.08	24.90	24.94	0.00	25.70	19.48	19.40	19.39	0.00	20.50
		1	49	25.10	24.93	24.92	0.00	25.70	19.46	19.44	19.39	0.00	20.50
		25	0	24.25	24.02	24.03	1.00	24.70	19.66	19.63	19.43	0.00	20.50
		25	12	24.22	24.02	24.13	1.00	24.70	19.71	19.65	19.53	0.00	20.50
		25	25	24.17	24.00	24.06	1.00	24.70	19.62	19.61	19.49	0.00	20.50
		50	0	24.18	23.99	24.08	1.00	24.70	19.58	19.62	19.50	0.00	20.50
	16QAM	1	0	24.19	23.89	24.23	1.00	24.70	19.65	19.46	19.80	0.00	20.50
		1	25	24.18	23.86	24.16	1.00	24.70	19.58	19.45	19.84	0.00	20.50
		1	49	24.17	23.89	24.27	1.00	24.70	19.57	19.43	19.75	0.00	20.50
		25	0	23.14	23.05	23.07	2.00	23.70	19.78	19.63	19.51	0.00	20.50
		25	12	23.11	23.06	23.18	2.00	23.70	19.83	19.67	19.61	0.00	20.50
		25	25	23.08	23.05	23.05	2.00	23.70	19.71	19.64	19.55	0.00	20.50
		50	0	23.20	22.99	23.11	2.00	23.70	19.61	19.57	19.52	0.00	20.50
	64QAM	1	0	23.04	22.95	23.07	2.00	23.70	19.80	19.74	19.36	0.00	20.50
		1	25	23.03	22.92	23.17	2.00	23.70	19.78	19.76	19.35	0.00	20.50
		1	49	23.02	22.87	23.07	2.00	23.70	19.75	19.77	19.35	0.00	20.50
		25	0	22.03	21.89	22.05	3.00	22.70	19.83	19.78	19.34	0.00	20.50
		25	12	22.04	21.97	22.15	3.00	22.70	19.86	19.79	19.35	0.00	20.50
		25	25	22.04	21.96	22.12	3.00	22.70	19.74	19.80	19.35	0.00	20.50
		50	0	22.05	21.95	22.06	3.00	22.70	19.71	19.81	19.36	0.00	20.50
	256QAM	1	0	20.07	20.23	19.96	5.00	20.70	19.51	19.67	19.96	0.00	20.50
		1	25	19.98	20.15	19.98	5.00	20.70	19.46	19.61	19.90	0.00	20.50
		1	49	19.98	20.20	19.96	5.00	20.70	19.44	19.62	19.95	0.00	20.50
		25	0	20.17	20.01	20.02	5.00	20.70	19.78	19.68	19.48	0.00	20.50
		25	12	20.24	20.03	20.14	5.00	20.70	19.84	19.76	19.60	0.00	20.50
		25	25	20.25	20.02	20.11	5.00	20.70	19.71	19.71	19.55	0.00	20.50
		50	0	20.13	20.06	20.08	5.00	20.70	19.64	19.66	19.56	0.00	20.50
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20775.00	21100.00	21425.00	MPR	Tune-up Limit	20775.00	21100.00	21425.00	MPR	Tune-up Limit
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	24.98	24.93	24.90	0.00	25.70	19.55	19.57	19.55	0.00	20.50
		1	12	25.08	24.93	24.87	0.00	25.70	19.54	19.57	19.59	0.00	20.50
		1	24	25.11	24.94	24.85	0.00	25.70	19.54	19.54	19.56	0.00	20.50
		12	0	24.16	23.95	23.93	1.00	24.70	19.63	19.57	19.64	0.00	20.50
		12	7	24.17	23.95	24.04	1.00	24.70	19.65	19.58	19.74	0.00	20.50
		12	13	24.18	23.91	23.96	1.00	24.70	19.66	19.59	19.68	0.00	20.50
		25	0	24.13	23.95	24.00	1.00	24.70	19.66	19.59	19.70	0.00	20.50
	16QAM	1	0	24.24	24.04	24.23	1.00	24.70	19.70	19.69	19.77	0.00	20.50
		1	12	24.23	24.01	24.20	1.00	24.70	19.71	19.66	19.76	0.00	20.50
		1	24	24.20	24.07	24.13	1.00	24.70	19.71	19.70	19.69	0.00	20.50
		12	0	23.22	23.06	23.12	2.00	23.70	19.69	19.65	19.81	0.00	20.50
		12	7	23.24	23.01	23.17	2.00	23.70	19.70	19.65	19.87	0.00	20.50
		12	13	23.25	22.98	23.17	2.00	23.70	19.67	19.64	19.85	0.00	20.50
		25	0	23.11	22.97	23.15	2.00	23.70	19.61	19.61	19.78	0.00	20.50
	64QAM	1	0	23.23	22.98	22.90	2.00	23.70	19.53	19.61	19.74	0.00	20.50
		1	12	23.24	22.97	22.95	2.00	23.70	19.48	19.61	19.74	0.00	20.50
		1	24	23.25	23.01	22.92	2.00	23.70	19.56	19.61	19.75	0.00	20.50
		12	0	22.24	22.00	22.04	3.00	22.70	19.68	19.61	19.74	0.00	20.50
		12	7	22.25	22.00	22.09	3.00	22.70	19.68	19.62	19.74	0.00	20.50
		12	13	22.26	22.00	22.01	3.00	22.70	19.72	19.61	19.74	0.00	20.50
		25	0	22.26	22.00	22.03	3.00	22.70	19.62	19.60	19.73	0.00	20.50
	256QAM	1	0	20.17	20.07	19.79	5.00	20.70	19.67	19.73	19.68	0.00	20.50
		1	12	20.14	20.08	19.85	5.00	20.70	19.63	19.71	19.70	0.00	20.50
		1	24	20.17	20.09	19.87	5.00	20.70	19.67	19.73	19.69	0.00	20.50
		12	0	20.10	19.97	19.92	5.00	20.70	19.85	19.60	19.63	0.00	20.50
		12	7	20.15	19.98	20.04	5.00	20.70	19.85	19.63	19.73	0.00	20.50
		12	13	20.16	20.00	20.01	5.00	20.70	19.87	19.63	19.71	0.00	20.50
		25	0	20.15	19.92	20.08	5.00	20.70	19.91	19.59	19.76	0.00	20.50

LTE Band 7 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20850	21100	21350	MPR	Tune-up Limit	20850	21100	21350	MPR	Tune-up Limit
				2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	17.40	17.48	17.40	0.00	18.20	18.41	18.50	18.49	0.00	19.00
		1	49	17.42	17.50	17.44	0.00	18.20	18.42	18.51	18.49	0.00	19.00
		1	99	17.29	17.45	17.42	0.00	18.20	18.32	18.50	18.42	0.00	19.00
		50	0	17.49	17.51	17.49	0.00	18.20	18.53	18.63	18.52	0.00	19.00
		50	24	17.53	17.59	17.59	0.00	18.20	18.56	18.66	18.66	0.00	19.00
		50	50	17.42	17.53	17.48	0.00	18.20	18.44	18.61	18.60	0.00	19.00
		100	0	17.43	17.59	17.59	0.00	18.20	18.45	18.61	18.60	0.00	19.00
	16QAM	1	0	17.45	17.46	17.25	0.00	18.20	18.33	18.37	18.53	0.00	19.00
		1	49	17.45	17.43	17.33	0.00	18.20	18.38	18.43	18.57	0.00	19.00
		1	99	17.40	17.41	17.37	0.00	18.20	18.33	18.31	18.58	0.00	19.00
		50	0	17.26	17.41	17.29	0.00	18.20	18.55	18.44	18.37	0.00	19.00
		50	24	17.32	17.45	17.42	0.00	18.20	18.55	18.47	18.51	0.00	19.00
		50	50	17.20	17.44	17.45	0.00	18.20	18.44	18.42	18.52	0.00	19.00
		100	0	17.23	17.43	17.39	0.00	18.20	18.46	18.44	18.46	0.00	19.00
	64QAM	1	0	17.44	17.46	17.45	0.00	18.20	18.39	18.48	18.49	0.00	19.00
		1	49	17.45	17.47	17.57	0.00	18.20	18.39	18.48	18.58	0.00	19.00
		1	99	17.45	17.45	17.73	0.00	18.20	18.39	18.47	18.75	0.00	19.00
		50	0	17.44	17.43	17.36	0.00	18.20	18.39	18.46	18.35	0.00	19.00
		50	24	17.43	17.42	17.48	0.00	18.20	18.40	18.47	18.50	0.00	19.00
		50	50	17.45	17.43	17.51	0.00	18.20	18.39	18.46	18.50	0.00	19.00
		100	0	17.46	17.43	17.45	0.00	18.20	18.39	18.45	18.49	0.00	19.00
	256QAM	1	0	17.39	17.30	16.96	0.50	17.70	17.23	17.45	17.13	1.30	17.70
		1	49	17.48	17.27	17.07	0.50	17.70	17.30	17.45	17.22	1.30	17.70
		1	99	17.29	17.32	17.17	0.50	17.70	17.20	17.50	17.28	1.30	17.70
		50	0	17.32	17.18	17.13	0.50	17.70	17.18	17.33	17.24	1.30	17.70
		50	24	17.36	17.20	17.25	0.50	17.70	17.23	17.38	17.40	1.30	17.70
		50	50	17.26	17.19	17.25	0.50	17.70	17.11	17.34	17.36	1.30	17.70
		100	0	17.24	17.17	17.22	0.50	17.70	17.08	17.30	17.37	1.30	17.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20825.00	21100.00	21375.00	MPR	Tune-up Limit	20825.00	21100.00	21375.00	MPR	Tune-up Limit
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	17.65	17.34	17.23	0.00	18.20	18.48	18.28	18.09	0.00	19.00
		1	37	17.58	17.28	17.32	0.00	18.20	18.48	18.28	18.13	0.00	19.00
		1	74	17.56	17.33	17.32	0.00	18.20	18.47	18.29	18.18	0.00	19.00
		36	0	17.71	17.37	17.31	0.00	18.20	18.57	18.41	18.16	0.00	19.00
		36	20	17.70	17.36	17.37	0.00	18.20	18.52	18.43	18.22	0.00	19.00
		36	39	17.65	17.38	17.41	0.00	18.20	18.50	18.40	18.27	0.00	19.00
		75	0	17.62	17.33	17.32	0.00	18.20	18.46	18.41	18.15	0.00	19.00
	16QAM	1	0	17.59	17.37	17.21	0.00	18.20	18.07	18.28	18.58	0.00	19.00
		1	37	17.51	17.41	17.31	0.00	18.20	18.16	18.32	18.27	0.00	19.00
		1	74	17.55	17.52	17.31	0.00	18.20	18.18	18.34	18.30	0.00	19.00
		36	0	17.54	17.33	17.31	0.00	18.20	18.57	18.43	18.21	0.00	19.00
		36	20	17.53	17.37	17.35	0.00	18.20	18.52	18.47	18.29	0.00	19.00
		36	39	17.50	17.35	17.43	0.00	18.20	18.51	18.42	18.36	0.00	19.00
		75	0	17.45	17.37	17.32	0.00	18.20	18.48	18.43	18.23	0.00	19.00
	64QAM	1	0	17.38	17.34	17.41	0.00	18.20	18.42	18.33	18.44	0.00	19.00
		1	37	17.41	17.34	17.60	0.00	18.20	18.41	18.32	18.59	0.00	19.00
		1	74	17.41	17.35	17.60	0.00	18.20	18.41	18.32	18.60	0.00	19.00
		36	0	17.41	17.36	17.34	0.00	18.20	18.41	18.33	18.15	0.00	19.00
		36	20	17.39	17.35	17.38	0.00	18.20	18.41	18.32	18.20	0.00	19.00
		36	39	17.41	17.35	17.48	0.00	18.20	18.41	18.31	18.30	0.00	19.00
		75	0	17.42	17.34	17.43	0.00	18.20	18.41	18.32	18.24	0.00	19.00
	256QAM	1	0	17.28	17.49	17.28	0.50	17.70	17.20	17.48	17.20	1.30	17.70
		1	37	17.32	17.45	17.39	0.50	17.70	17.21	17.44	17.28	1.30	17.70
		1	74	17.20	17.48	17.50	0.50	17.70	17.18	17.49	17.42	1.30	17.70
		36	0	17.50	17.22	17.12	0.50	17.70	17.46	17.12	17.01	1.30	17.70
		36	20	17.46	17.22	17.18	0.50	17.70	17.39	17.12	17.07	1.30	17.70
		36	39	17.47	17.21	17.23	0.50	17.70	17.38	17.13	17.15	1.30	17.70
		75	0	17.46	17.20	17.16	0.50	17.70	17.36	17.10	17.04	1.30	17.70

LTE Band 7 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20800.00	21100.00	21400.00			20800.00	21100.00	21400.00		
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	17.40	17.35	17.22	0.00	18.20	18.39	18.23	18.14	0.00	19.00
		1	25	17.38	17.30	17.22	0.00	18.20	18.33	18.17	18.13	0.00	19.00
		1	49	17.43	17.45	17.27	0.00	18.20	18.38	18.24	18.17	0.00	19.00
		25	0	17.50	17.34	17.37	0.00	18.20	18.50	18.40	18.18	0.00	19.00
		25	12	17.51	17.38	17.43	0.00	18.20	18.49	18.42	18.22	0.00	19.00
		25	25	17.46	17.34	17.48	0.00	18.20	18.47	18.39	18.29	0.00	19.00
		50	0	17.43	17.31	17.33	0.00	18.20	18.46	18.38	18.19	0.00	19.00
	16QAM	1	0	17.79	17.27	17.21	0.00	18.20	18.52	18.25	18.53	0.00	19.00
		1	25	17.80	17.21	17.23	0.00	18.20	18.44	18.27	18.60	0.00	19.00
		1	49	17.75	17.23	17.26	0.00	18.20	18.49	18.23	18.60	0.00	19.00
		25	0	17.55	17.42	17.39	0.00	18.20	18.53	18.42	18.26	0.00	19.00
		25	12	17.48	17.44	17.40	0.00	18.20	18.42	18.47	18.31	0.00	19.00
		25	25	17.48	17.44	17.45	0.00	18.20	18.57	18.44	18.34	0.00	19.00
		50	0	17.43	17.38	17.30	0.00	18.20	18.52	18.41	18.23	0.00	19.00
	64QAM	1	0	17.38	17.32	17.45	0.00	18.20	18.40	18.32	18.29	0.00	19.00
		1	25	17.36	17.32	17.54	0.00	18.20	18.39	18.31	18.40	0.00	19.00
		1	49	17.34	17.33	17.53	0.00	18.20	18.38	18.32	18.34	0.00	19.00
		25	0	17.36	17.33	17.43	0.00	18.20	18.38	18.32	18.28	0.00	19.00
		25	12	17.37	17.32	17.48	0.00	18.20	18.40	18.32	18.28	0.00	19.00
		25	25	17.35	17.33	17.49	0.00	18.20	18.39	18.31	18.35	0.00	19.00
		50	0	17.37	17.28	17.38	0.00	18.20	18.40	18.31	18.21	0.00	19.00
	256QAM	1	0	17.37	17.48	17.11	0.50	17.70	17.49	17.46	17.28	1.30	17.70
		1	25	17.28	17.38	17.16	0.50	17.70	17.46	17.42	17.38	1.30	17.70
		1	49	17.30	17.46	17.25	0.50	17.70	17.44	17.48	17.41	1.30	17.70
		25	0	17.45	17.20	17.26	0.50	17.70	17.41	17.32	17.36	1.30	17.70
		25	12	17.41	17.22	17.22	0.50	17.70	17.40	17.37	17.41	1.30	17.70
		25	25	17.38	17.20	17.32	0.50	17.70	17.36	17.32	17.43	1.30	17.70
		50	0	17.46	17.21	17.20	0.50	17.70	17.30	17.36	17.36	1.30	17.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20775.00	21100.00	21425.00			20775.00	21100.00	21425.00		
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	17.49	17.21	17.38	0.00	18.20	18.35	18.31	18.17	0.00	19.00
		1	12	17.39	17.20	17.34	0.00	18.20	18.34	18.26	18.17	0.00	19.00
		1	24	17.41	17.21	17.33	0.00	18.20	18.37	18.32	18.15	0.00	19.00
		12	0	17.44	17.29	17.36	0.00	18.20	18.45	18.34	18.18	0.00	19.00
		12	7	17.46	17.31	17.44	0.00	18.20	18.46	18.32	18.28	0.00	19.00
		12	13	17.46	17.30	17.42	0.00	18.20	18.45	18.32	18.25	0.00	19.00
		25	0	17.42	17.26	17.43	0.00	18.20	18.47	18.33	18.25	0.00	19.00
	16QAM	1	0	17.50	17.70	17.44	0.00	18.20	18.38	18.23	18.10	0.00	19.00
		1	12	17.51	17.73	17.51	0.00	18.20	18.34	18.20	18.22	0.00	19.00
		1	24	17.52	17.74	17.50	0.00	18.20	18.31	18.24	18.13	0.00	19.00
		12	0	17.49	17.44	17.40	0.00	18.20	18.28	18.44	18.25	0.00	19.00
		12	7	17.50	17.41	17.50	0.00	18.20	18.29	18.41	18.34	0.00	19.00
		12	13	17.49	17.46	17.47	0.00	18.20	18.29	18.40	18.29	0.00	19.00
		25	0	17.46	17.35	17.37	0.00	18.20	18.56	18.37	18.25	0.00	19.00
	64QAM	1	0	17.73	17.30	17.28	0.00	18.20	18.39	18.35	18.46	0.00	19.00
		1	12	17.73	17.30	17.29	0.00	18.20	18.34	18.35	18.46	0.00	19.00
		1	24	17.72	17.29	17.29	0.00	18.20	18.40	18.36	18.46	0.00	19.00
		12	0	17.72	17.30	17.37	0.00	18.20	18.49	18.38	18.47	0.00	19.00
		12	7	17.75	17.30	17.44	0.00	18.20	18.54	18.36	18.46	0.00	19.00
		12	13	17.78	17.31	17.43	0.00	18.20	18.54	18.36	18.47	0.00	19.00
		25	0	17.76	17.32	17.41	0.00	18.20	18.47	18.37	18.46	0.00	19.00
	256QAM	1	0	17.26	17.25	17.01	0.50	17.70	17.45	17.38	17.31	1.30	17.70
		1	12	17.24	17.24	16.98	0.50	17.70	17.40	17.39	17.36	1.30	17.70
		1	24	17.27	17.23	17.02	0.50	17.70	17.46	17.41	17.40	1.30	17.70
		12	0	17.28	17.12	17.12	0.50	17.70	17.24	17.27	17.31	1.30	17.70
		12	7	17.23	17.16	17.26	0.50	17.70	17.27	17.31	17.38	1.30	17.70
		12	13	17.29	17.14	17.19	0.50	17.70	17.26	17.30	17.36	1.30	17.70
		25	0	17.30	17.09	17.27	0.50	17.70	17.32	17.26	17.39	1.30	17.70

LTE Band 7 Measured Results (ANT3)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20850	21100	21350	MPR	Tune-up Limit	20850	21100	21350	MPR	Tune-up Limit
				2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	23.22	23.20	22.96	0.00	23.70	17.85	17.90	17.89	0.00	18.90
		1	49	23.23	23.23	23.00	0.00	23.70	17.85	17.90	17.90	0.00	18.90
		1	99	23.20	23.20	22.94	0.00	23.70	17.80	17.89	17.84	0.00	18.90
		50	0	23.34	23.36	23.14	0.00	23.70	18.06	17.92	18.07	0.00	18.90
		50	24	23.35	23.38	23.16	0.00	23.70	18.18	17.97	18.10	0.00	18.90
		50	50	23.35	23.32	23.15	0.00	23.70	18.15	17.90	18.01	0.00	18.90
		100	0	23.35	23.35	23.13	0.00	23.70	18.00	18.05	18.03	0.00	18.90
	16QAM	1	0	22.85	22.99	22.96	0.00	23.70	18.01	17.97	18.01	0.00	18.90
		1	49	22.96	22.95	22.93	0.00	23.70	18.03	17.88	18.02	0.00	18.90
		1	99	22.98	22.95	22.98	0.00	23.70	18.10	17.83	17.95	0.00	18.90
		50	0	23.09	23.03	23.01	0.50	23.20	17.63	17.54	17.66	0.00	18.90
		50	24	23.15	23.20	23.00	0.50	23.20	17.75	17.55	17.67	0.00	18.90
		50	50	23.14	23.10	22.92	0.50	23.20	17.73	17.59	17.61	0.00	18.90
		100	0	23.15	23.18	22.96	0.50	23.20	17.77	17.57	17.66	0.00	18.90
	64QAM	1	0	23.07	23.18	23.15	0.50	23.20	18.05	17.67	17.86	0.00	18.90
		1	49	23.09	23.19	23.18	0.50	23.20	18.19	17.69	17.84	0.00	18.90
		1	99	23.09	23.20	23.04	0.50	23.20	18.22	17.64	17.76	0.00	18.90
		50	0	22.10	22.20	22.02	1.50	22.20	17.79	17.51	17.70	0.00	18.90
		50	24	22.10	22.19	22.00	1.50	22.20	17.89	17.58	17.71	0.00	18.90
		50	50	22.10	22.18	21.92	1.50	22.20	17.86	17.51	17.66	0.00	18.90
		100	0	22.10	22.18	21.98	1.50	22.20	17.83	17.56	17.67	0.00	18.90
	256QAM	1	0	20.06	20.09	19.90	3.50	20.20	17.84	17.57	17.51	0.00	18.90
		1	49	20.10	20.08	19.84	3.50	20.20	18.01	17.58	17.52	0.00	18.90
		1	99	20.16	20.14	19.71	3.50	20.20	18.01	17.57	17.50	0.00	18.90
		50	0	20.12	20.12	20.03	3.50	20.20	17.77	17.51	17.82	0.00	18.90
		50	24	20.02	20.19	20.01	3.50	20.20	17.89	17.57	17.83	0.00	18.90
		50	50	20.04	20.11	19.96	3.50	20.20	17.89	17.50	17.77	0.00	18.90
		100	0	20.14	20.11	19.99	3.50	20.20	17.85	17.56	17.79	0.00	18.90

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20825.00	21100.00	21375.00	MPR	Tune-up Limit	20825.00	21100.00	21375.00	MPR	Tune-up Limit
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	23.14	23.27	23.08	0.00	23.70	17.96	18.12	18.03	0.00	18.90
		1	37	23.18	23.16	22.91	0.00	23.70	18.06	18.05	17.96	0.00	18.90
		1	74	23.31	23.03	22.89	0.00	23.70	18.07	18.00	17.92	0.00	18.90
		36	0	23.23	23.33	23.11	0.00	23.70	18.04	18.07	17.99	0.00	18.90
		36	20	23.30	23.29	23.11	0.00	23.70	18.16	18.15	17.99	0.00	18.90
		36	39	23.28	23.27	23.04	0.00	23.70	18.13	18.07	18.00	0.00	18.90
		75	0	23.27	23.27	23.07	0.00	23.70	18.11	18.12	17.92	0.00	18.90
	16QAM	1	0	23.26	23.21	23.19	0.00	23.70	17.90	17.95	17.87	0.00	18.90
		1	37	23.25	23.21	23.07	0.00	23.70	18.00	17.93	17.88	0.00	18.90
		1	74	23.33	23.06	23.02	0.00	23.70	18.04	17.84	17.79	0.00	18.90
		36	0	22.71	22.81	22.66	0.50	23.20	17.60	17.70	17.57	0.00	18.90
		36	20	22.78	22.79	22.64	0.50	23.20	17.74	17.75	17.56	0.00	18.90
		36	39	22.80	22.72	22.56	0.50	23.20	17.73	17.69	17.58	0.00	18.90
		75	0	22.77	22.80	22.58	0.50	23.20	17.73	17.73	17.56	0.00	18.90
	64QAM	1	0	22.56	22.72	22.53	0.50	23.20	17.80	18.25	17.77	0.00	18.90
		1	37	22.55	22.70	22.46	0.50	23.20	17.93	18.29	17.77	0.00	18.90
		1	74	22.59	22.72	22.35	0.50	23.20	17.91	18.26	17.72	0.00	18.90
		36	0	21.78	21.78	21.62	1.50	22.20	17.83	17.69	17.70	0.00	18.90
		36	20	21.79	21.77	21.61	1.50	22.20	17.89	17.76	17.69	0.00	18.90
		36	39	21.78	21.77	21.55	1.50	22.20	17.88	17.59	17.72	0.00	18.90
		75	0	21.78	21.76	21.60	1.50	22.20	17.88	17.65	17.61	0.00	18.90
	256QAM	1	0	19.45	19.79	19.85	3.50	20.20	17.77	18.03	17.75	0.00	18.90
		1	37	19.57	19.77	19.80	3.50	20.20	17.81	18.01	17.71	0.00	18.90
		1	74	19.69	19.66	19.66	3.50	20.20	17.87	17.96	17.70	0.00	18.90
		36	0	19.78	19.48	19.65	3.50	20.20	17.96	17.75	17.81	0.00	18.90
		36	20	19.80	19.49	19.60	3.50	20.20	18.08	17.81	17.79	0.00	18.90
		36	39	19.84	19.83	19.54	3.50	20.20	18.05	17.75	17.85	0.00	18.90
		75	0	19.79	19.76	19.56	3.50	20.20	18.04	17.80	17.77	0.00	18.90

LTE Band 7 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20800.00	21100.00	21400.00	MPR	Tune-up Limit	20800.00	21100.00	21400.00	MPR	Tune-up Limit
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	23.01	23.18	23.00	0.00	23.70	17.70	17.72	17.73	0.00	18.90
		1	25	23.05	23.13	22.89	0.00	23.70	17.78	17.70	17.76	0.00	18.90
		1	49	23.14	23.03	22.91	0.00	23.70	17.70	17.75	17.79	0.00	18.90
		25	0	23.21	23.31	23.04	0.00	23.70	17.87	17.91	17.73	0.00	18.90
		25	12	23.26	23.32	23.07	0.00	23.70	17.92	17.92	17.84	0.00	18.90
		25	25	23.26	23.25	23.01	0.00	23.70	17.90	17.86	17.80	0.00	18.90
		50	0	23.26	23.28	23.02	0.00	23.70	17.85	17.90	17.73	0.00	18.90
	16QAM	1	0	23.15	23.20	23.28	0.00	23.70	17.57	17.67	17.93	0.00	18.90
		1	25	23.20	23.10	23.34	0.00	23.70	17.56	17.55	17.88	0.00	18.90
		1	49	23.23	23.06	23.28	0.00	23.70	17.66	17.54	17.90	0.00	18.90
		25	0	22.82	22.84	22.62	0.50	23.20	17.78	17.83	17.62	0.00	18.90
		25	12	22.79	22.83	22.62	0.50	23.20	17.84	17.84	17.69	0.00	18.90
		25	25	22.79	22.78	22.58	0.50	23.20	17.82	17.80	17.64	0.00	18.90
		50	0	22.82	22.78	22.57	0.50	23.20	17.73	17.75	17.58	0.00	18.90
	64QAM	1	0	22.53	22.70	22.73	0.50	23.20	17.73	17.89	17.64	0.00	18.90
		1	25	22.56	22.71	22.64	0.50	23.20	17.80	17.76	17.65	0.00	18.90
		1	49	22.55	22.70	22.53	0.50	23.20	17.81	17.71	17.61	0.00	18.90
		25	0	21.65	21.79	21.66	1.50	22.20	17.76	17.79	17.57	0.00	18.90
		25	12	21.65	21.79	21.64	1.50	22.20	17.86	17.79	17.66	0.00	18.90
		25	25	21.66	21.79	21.59	1.50	22.20	17.85	17.73	17.61	0.00	18.90
		50	0	21.65	21.78	21.57	1.50	22.20	17.74	17.70	17.56	0.00	18.90
	256QAM	1	0	19.57	19.81	19.65	3.50	20.20	17.69	17.67	17.53	0.00	18.90
		1	25	19.53	19.78	19.51	3.50	20.20	17.72	17.63	17.50	0.00	18.90
		1	49	19.68	19.72	19.44	3.50	20.20	17.75	17.64	17.51	0.00	18.90
		25	0	19.84	19.84	19.65	3.50	20.20	17.80	17.78	17.58	0.00	18.90
		25	12	19.80	19.78	19.65	3.50	20.20	17.83	17.80	17.64	0.00	18.90
		25	25	19.81	19.82	19.61	3.50	20.20	17.81	17.72	17.59	0.00	18.90
		50	0	19.80	19.85	19.59	3.50	20.20	17.76	17.70	17.51	0.00	18.90

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20775.00	21100.00	21425.00	MPR	Tune-up Limit	20775.00	21100.00	21425.00	MPR	Tune-up Limit
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	22.98	23.31	22.88	0.00	23.70	17.70	17.80	17.79	0.00	18.90
		1	12	23.06	23.19	22.83	0.00	23.70	17.71	17.80	17.76	0.00	18.90
		1	24	23.08	23.15	22.83	0.00	23.70	17.82	17.77	17.76	0.00	18.90
		12	0	23.14	23.23	22.97	0.00	23.70	17.85	17.91	17.77	0.00	18.90
		12	7	23.14	23.22	22.95	0.00	23.70	17.86	17.89	17.75	0.00	18.90
		12	13	23.17	23.22	22.95	0.00	23.70	17.87	17.87	17.73	0.00	18.90
		25	0	23.13	23.22	22.96	0.00	23.70	17.86	17.87	17.74	0.00	18.90
	16QAM	1	0	23.21	23.26	23.15	0.00	23.70	17.88	17.95	17.82	0.00	18.90
		1	12	23.30	23.31	23.13	0.00	23.70	17.91	17.96	17.83	0.00	18.90
		1	24	23.28	23.28	23.16	0.00	23.70	17.98	17.92	17.80	0.00	18.90
		12	0	22.72	22.77	22.66	0.50	23.20	18.00	17.99	17.85	0.00	18.90
		12	7	22.70	22.80	22.66	0.50	23.20	18.02	17.96	17.84	0.00	18.90
		12	13	22.75	22.80	22.61	0.50	23.20	18.03	17.96	17.83	0.00	18.90
		25	0	22.63	22.75	22.56	0.50	23.20	17.95	17.86	17.73	0.00	18.90
	64QAM	1	0	22.74	22.82	22.39	0.50	23.20	17.94	17.95	17.96	0.00	18.90
		1	12	22.73	22.80	22.40	0.50	23.20	18.04	18.07	17.85	0.00	18.90
		1	24	22.75	22.79	22.39	0.50	23.20	18.07	18.08	17.87	0.00	18.90
		12	0	21.72	21.52	21.56	1.50	22.20	17.88	17.96	17.76	0.00	18.90
		12	7	21.72	21.54	21.53	1.50	22.20	17.89	17.89	17.74	0.00	18.90
		12	13	21.72	21.55	21.53	1.50	22.20	17.89	17.89	17.77	0.00	18.90
		25	0	21.73	21.53	21.48	1.50	22.20	17.83	17.86	17.71	0.00	18.90
	256QAM	1	0	19.68	19.75	19.39	3.50	20.20	17.84	17.80	17.71	0.00	18.90
		1	12	19.70	19.69	19.32	3.50	20.20	17.88	17.84	17.79	0.00	18.90
		1	24	19.74	19.68	19.38	3.50	20.20	17.91	17.82	17.70	0.00	18.90
		12	0	19.64	19.82	19.48	3.50	20.20	17.83	17.84	17.79	0.00	18.90
		12	7	19.72	19.84	19.54	3.50	20.20	17.85	17.84	17.70	0.00	18.90
		12	13	19.73	19.78	19.49	3.50	20.20	17.87	17.84	17.76	0.00	18.90
		25	0	19.71	19.75	19.56	3.50	20.20	17.89	17.88	17.72	0.00	18.90

LTE Band 7 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20850	21100	21350	MPR	Tune-up Limit	20850	21100	21350	MPR	Tune-up Limit
				2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	17.31	17.61	17.46	0.00	18.40	18.04	18.26	18.18	0.00	19.50
		1	49	17.65	17.75	17.50	0.00	18.40	18.45	18.45	18.20	0.00	19.50
		1	99	17.63	17.51	17.35	0.00	18.40	18.40	18.24	18.07	0.00	19.50
		50	0	17.62	17.57	17.47	0.00	18.40	18.39	18.34	18.17	0.00	19.50
		50	24	17.71	17.75	17.50	0.00	18.40	18.50	18.50	18.40	0.00	19.50
		50	50	17.70	17.60	17.48	0.00	18.40	18.50	18.33	18.23	0.00	19.50
		100	0	17.65	17.70	17.44	0.00	18.40	18.39	18.40	18.14	0.00	19.50
	16QAM	1	0	17.43	17.71	17.58	0.00	18.40	18.07	18.47	18.21	0.00	19.50
		1	49	17.49	17.74	17.61	0.00	18.40	18.35	18.41	18.20	0.00	19.50
		1	99	17.60	17.74	17.45	0.00	18.40	18.43	18.40	18.07	0.00	19.50
		50	0	17.59	17.66	17.46	0.00	18.40	18.37	18.37	18.18	0.00	19.50
		50	24	17.68	17.66	17.47	0.00	18.40	18.48	18.39	18.16	0.00	19.50
		50	50	17.68	17.63	17.50	0.00	18.40	18.49	18.40	18.21	0.00	19.50
		100	0	17.63	17.64	17.43	0.00	18.40	18.40	18.38	18.14	0.00	19.50
	64QAM	1	0	17.57	17.75	17.78	0.00	18.40	18.36	18.40	18.35	0.00	19.50
		1	49	17.57	17.72	17.76	0.00	18.40	18.36	18.39	18.34	0.00	19.50
		1	99	17.57	17.75	17.73	0.00	18.40	18.24	18.38	18.34	0.00	19.50
		50	0	17.58	17.75	17.51	0.00	18.40	18.35	18.38	18.34	0.00	19.50
		50	24	17.58	17.76	17.54	0.00	18.40	18.45	18.38	18.35	0.00	19.50
		50	50	17.55	17.75	17.55	0.00	18.40	18.47	18.38	18.34	0.00	19.50
		100	0	17.55	17.74	17.48	0.00	18.40	18.41	18.39	18.34	0.00	19.50
	256QAM	1	0	16.81	17.08	16.72	0.70	17.70	16.80	16.68	16.56	1.80	17.70
		1	49	17.01	17.08	16.75	0.70	17.70	16.58	16.66	16.60	1.80	17.70
		1	99	17.01	17.10	16.71	0.70	17.70	16.52	16.69	16.52	1.80	17.70
		50	0	16.98	16.94	16.83	0.70	17.70	16.59	16.53	16.39	1.80	17.70
		50	24	17.07	16.99	16.84	0.70	17.70	16.66	16.57	16.39	1.80	17.70
		50	50	17.09	16.97	16.87	0.70	17.70	16.67	16.55	16.42	1.80	17.70
		100	0	16.98	16.93	16.79	0.70	17.70	16.61	16.50	16.36	1.80	17.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20825.00	21100.00	21375.00	MPR	Tune-up Limit	20825.00	21100.00	21375.00	MPR	Tune-up Limit
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	17.40	17.54	17.44	0.00	18.40	18.04	18.33	18.10	0.00	19.50
		1	37	17.65	17.50	17.39	0.00	18.40	18.39	18.26	18.05	0.00	19.50
		1	74	17.72	17.54	17.34	0.00	18.40	18.43	18.33	18.08	0.00	19.50
		36	0	17.60	17.59	17.46	0.00	18.40	18.33	18.34	18.15	0.00	19.50
		36	20	17.74	17.63	17.45	0.00	18.40	18.48	18.35	18.15	0.00	19.50
		36	39	17.73	17.62	17.48	0.00	18.40	18.45	18.35	18.20	0.00	19.50
		75	0	17.61	17.61	17.39	0.00	18.40	18.39	18.30	18.11	0.00	19.50
	16QAM	1	0	17.67	17.50	17.67	0.00	18.40	18.30	18.30	18.21	0.00	19.50
		1	37	17.70	17.52	17.64	0.00	18.40	18.38	18.36	18.18	0.00	19.50
		1	74	17.72	17.54	17.77	0.00	18.40	18.37	18.48	18.44	0.00	19.50
		36	0	17.61	17.58	17.47	0.00	18.40	18.27	18.31	18.21	0.00	19.50
		36	20	17.76	17.63	17.48	0.00	18.40	18.48	18.35	18.24	0.00	19.50
		36	39	17.72	17.56	17.52	0.00	18.40	18.43	18.34	18.24	0.00	19.50
		75	0	17.65	17.59	17.44	0.00	18.40	18.33	18.32	18.17	0.00	19.50
	64QAM	1	0	17.38	17.45	17.59	0.00	18.40	18.32	18.26	18.01	0.00	19.50
		1	37	17.36	17.66	17.61	0.00	18.40	18.23	18.25	18.00	0.00	19.50
		1	74	17.37	17.65	17.57	0.00	18.40	18.31	18.26	18.00	0.00	19.50
		36	0	17.37	17.64	17.54	0.00	18.40	18.30	18.26	18.02	0.00	19.50
		36	20	17.37	17.66	17.52	0.00	18.40	18.46	18.26	18.02	0.00	19.50
		36	39	17.36	17.65	17.57	0.00	18.40	18.43	18.26	18.02	0.00	19.50
		75	0	17.38	17.65	17.46	0.00	18.40	18.37	18.27	18.02	0.00	19.50
	256QAM	1	0	16.95	16.94	16.52	0.70	17.70	16.45	16.56	16.50	1.80	17.70
		1	37	17.00	16.91	16.59	0.70	17.70	16.44	16.47	16.50	1.80	17.70
		1	74	17.04	17.02	16.58	0.70	17.70	16.44	16.61	16.50	1.80	17.70
		36	0	16.94	16.92	16.76	0.70	17.70	16.51	16.54	16.36	1.80	17.70
		36	20	16.92	16.92	16.76	0.70	17.70	16.64	16.55	16.36	1.80	17.70
		36	39	17.10	16.94	16.82	0.70	17.70	16.61	16.53	16.41	1.80	17.70
		75	0	16.99	16.92	16.73	0.70	17.70	16.55	16.53	16.31	1.80	17.70

LTE Band 7 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20800.00	21100.00	21400.00			20800.00	21100.00	21400.00		
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	17.20	17.43	17.46	0.00	18.40	18.20	18.14	18.15	0.00	19.50
		1	25	17.45	17.39	17.35	0.00	18.40	18.22	18.15	18.07	0.00	19.50
		1	49	17.63	17.46	17.37	0.00	18.40	18.38	18.16	18.09	0.00	19.50
		25	0	17.57	17.67	17.53	0.00	18.40	18.30	18.35	18.23	0.00	19.50
		25	12	17.64	17.65	17.54	0.00	18.40	18.38	18.38	18.26	0.00	19.50
		25	25	17.71	17.64	17.49	0.00	18.40	18.43	18.38	18.21	0.00	19.50
		50	0	17.61	17.62	17.50	0.00	18.40	18.31	18.37	18.23	0.00	19.50
	16QAM	1	0	17.42	17.50	17.66	0.00	18.40	18.03	18.23	18.43	0.00	19.50
		1	25	17.59	17.47	17.61	0.00	18.40	18.21	18.24	18.48	0.00	19.50
		1	49	17.76	17.50	17.76	0.00	18.40	18.35	18.29	18.45	0.00	19.50
		25	0	17.71	17.71	17.60	0.00	18.40	18.30	18.41	18.23	0.00	19.50
		25	12	17.76	17.67	17.63	0.00	18.40	18.37	18.43	18.28	0.00	19.50
		25	25	17.79	17.68	17.57	0.00	18.40	18.43	18.43	18.21	0.00	19.50
		50	0	17.64	17.61	17.58	0.00	18.40	18.28	18.37	18.21	0.00	19.50
	64QAM	1	0	17.35	17.77	17.59	0.00	18.40	18.27	18.25	18.05	0.00	19.50
		1	25	17.34	17.76	17.50	0.00	18.40	18.48	18.24	18.05	0.00	19.50
		1	49	17.36	17.77	17.59	0.00	18.40	18.42	18.25	18.04	0.00	19.50
		25	0	17.35	17.76	17.63	0.00	18.40	18.33	18.25	18.03	0.00	19.50
		25	12	17.36	17.77	17.61	0.00	18.40	18.37	18.26	18.03	0.00	19.50
		25	25	17.34	17.78	17.56	0.00	18.40	18.45	18.25	18.03	0.00	19.50
		50	0	17.35	17.77	17.53	0.00	18.40	18.30	18.24	18.02	0.00	19.50
	256QAM	1	0	17.02	16.97	16.69	0.70	17.70	16.31	16.67	16.27	1.80	17.70
		1	25	16.95	16.90	16.54	0.70	17.70	16.52	16.53	16.50	1.80	17.70
		1	49	17.08	17.01	16.60	0.70	17.70	16.68	16.54	16.50	1.80	17.70
		25	0	16.90	16.99	16.89	0.70	17.70	16.54	16.51	16.49	1.80	17.70
		25	12	16.97	17.03	16.89	0.70	17.70	16.62	16.55	16.52	1.80	17.70
		25	25	17.05	17.02	16.84	0.70	17.70	16.64	16.55	16.41	1.80	17.70
		50	0	16.95	16.97	16.81	0.70	17.70	16.53	16.55	16.38	1.80	17.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20775.00	21100.00	21425.00			20775.00	21100.00	21425.00		
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	17.41	17.45	17.44	0.00	18.40	18.00	18.31	18.10	0.00	19.50
		1	12	17.52	17.46	17.36	0.00	18.40	18.08	18.24	18.12	0.00	19.50
		1	24	17.67	17.49	17.32	0.00	18.40	18.21	18.27	18.06	0.00	19.50
		12	0	17.41	17.57	17.38	0.00	18.40	18.11	18.27	18.12	0.00	19.50
		12	7	17.51	17.58	17.47	0.00	18.40	18.21	18.28	18.19	0.00	19.50
		12	13	17.52	17.58	17.42	0.00	18.40	18.26	18.31	18.16	0.00	19.50
		25	0	17.50	17.57	17.37	0.00	18.40	18.18	18.30	18.09	0.00	19.50
	16QAM	1	0	17.48	17.64	17.54	0.00	18.40	18.42	18.37	18.21	0.00	19.50
		1	12	17.61	17.64	17.59	0.00	18.40	18.29	18.35	18.29	0.00	19.50
		1	24	17.72	17.68	17.52	0.00	18.40	18.35	18.37	18.22	0.00	19.50
		12	0	17.54	17.76	17.46	0.00	18.40	18.29	18.37	18.18	0.00	19.50
		12	7	17.59	17.75	17.53	0.00	18.40	18.33	18.35	18.21	0.00	19.50
		12	13	17.64	17.75	17.53	0.00	18.40	18.39	18.36	18.21	0.00	19.50
		25	0	17.55	17.67	17.34	0.00	18.40	18.27	18.30	18.04	0.00	19.50
	64QAM	1	0	17.65	17.62	17.30	0.00	18.40	18.00	18.27	18.08	0.00	19.50
		1	12	17.62	17.62	17.31	0.00	18.40	18.04	18.27	18.09	0.00	19.50
		1	24	17.63	17.63	17.32	0.00	18.40	18.19	18.25	18.09	0.00	19.50
		12	0	17.63	17.63	17.42	0.00	18.40	18.17	18.28	18.10	0.00	19.50
		12	7	17.54	17.63	17.49	0.00	18.40	18.26	18.29	18.09	0.00	19.50
		12	13	17.58	17.64	17.47	0.00	18.40	18.28	18.29	18.08	0.00	19.50
		25	0	17.58	17.62	17.36	0.00	18.40	18.16	18.29	18.07	0.00	19.50
	256QAM	1	0	16.61	17.05	16.55	0.70	17.70	16.30	16.32	16.40	1.80	17.70
		1	12	16.80	17.05	16.53	0.70	17.70	16.30	16.20	16.49	1.80	17.70
		1	24	16.96	17.05	16.55	0.70	17.70	16.35	16.28	16.41	1.80	17.70
		12	0	16.72	16.96	16.67	0.70	17.70	16.34	16.45	16.29	1.80	17.70
		12	7	16.83	16.96	16.78	0.70	17.70	16.42	16.48	16.38	1.80	17.70
		12	13	16.87	16.96	16.77	0.70	17.70	16.44	16.45	16.34	1.80	17.70
		25	0	16.85	16.92	16.75	0.70	17.70	16.37	16.49	16.24	1.80	17.70

LTE Band 12 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23095	MPR	Tune-up Limit	23095	MPR	Tune-up Limit
				707.5 MHz			707.5 MHz		
10 MHz	QPSK	1	0	25.19	0.00	25.70	25.19	0.00	25.70
		1	25	25.35	0.00	25.70	25.35	0.00	25.70
		1	49	25.29	0.00	25.70	25.29	0.00	25.70
		25	0	24.39	1.00	24.70	24.39	1.00	24.70
		25	12	24.42	1.00	24.70	24.42	1.00	24.70
		25	25	24.34	1.00	24.70	24.34	1.00	24.70
		50	0	24.39	1.00	24.70	24.39	1.00	24.70
	16QAM	1	0	24.23	1.00	24.70	24.23	1.00	24.70
		1	25	24.25	1.00	24.70	24.25	1.00	24.70
		1	49	24.26	1.00	24.70	24.26	1.00	24.70
		25	0	23.36	2.00	23.70	23.36	2.00	23.70
		25	12	23.44	2.00	23.70	23.44	2.00	23.70
		25	25	23.44	2.00	23.70	23.44	2.00	23.70
		50	0	23.39	2.00	23.70	23.39	2.00	23.70
	64QAM	1	0	23.28	2.00	23.70	23.28	2.00	23.70
		1	25	23.27	2.00	23.70	23.27	2.00	23.70
		1	49	23.26	2.00	23.70	23.26	2.00	23.70
		25	0	22.45	3.00	22.70	22.45	3.00	22.70
		25	12	22.46	3.00	22.70	22.46	3.00	22.70
		25	25	22.44	3.00	22.70	22.44	3.00	22.70
		50	0	22.45	3.00	22.70	22.45	3.00	22.70
	256QAM	1	0	20.37	5.00	20.70	20.37	5.00	20.70
		1	25	20.43	5.00	20.70	20.43	5.00	20.70
		1	49	20.48	5.00	20.70	20.48	5.00	20.70
		25	0	20.43	5.00	20.70	20.43	5.00	20.70
		25	12	20.49	5.00	20.70	20.49	5.00	20.70
		25	25	20.46	5.00	20.70	20.46	5.00	20.70
		50	0	20.49	5.00	20.70	20.49	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				23035.00	23095.00	23155.00	MPR	Tune-up Limit	23035.00	23095.00	23155.00	MPR	Tune-up Limit
				701.5 MHz	707.5 MHz	713.5 MHz			701.5 MHz	707.5 MHz	713.5 MHz		
5 MHz	QPSK	1	0	25.36	25.42	25.32	0.00	25.70	25.36	25.42	25.32	0.00	25.70
		1	12	25.25	25.34	25.31	0.00	25.70	25.25	25.34	25.31	0.00	25.70
		1	24	25.17	25.29	25.29	0.00	25.70	25.17	25.29	25.29	0.00	25.70
		12	0	24.26	24.31	24.37	1.00	24.70	24.26	24.31	24.37	1.00	24.70
		12	7	24.30	24.36	24.35	1.00	24.70	24.30	24.36	24.35	1.00	24.70
		12	13	24.28	24.31	24.34	1.00	24.70	24.28	24.31	24.34	1.00	24.70
		25	0	24.30	24.34	24.32	1.00	24.70	24.30	24.34	24.32	1.00	24.70
	16QAM	1	0	24.44	24.49	24.41	1.00	24.70	24.44	24.49	24.41	1.00	24.70
		1	12	24.45	24.43	24.45	1.00	24.70	24.45	24.43	24.45	1.00	24.70
		1	24	24.36	24.46	24.36	1.00	24.70	24.36	24.46	24.36	1.00	24.70
		12	0	23.33	23.39	23.43	2.00	23.70	23.33	23.39	23.43	2.00	23.70
		12	7	23.41	23.41	23.48	2.00	23.70	23.41	23.41	23.48	2.00	23.70
		12	13	23.33	23.39	23.50	2.00	23.70	23.33	23.39	23.50	2.00	23.70
		25	0	23.26	23.41	23.42	2.00	23.70	23.26	23.41	23.42	2.00	23.70
	64QAM	1	0	23.42	23.45	23.43	2.00	23.70	23.42	23.45	23.43	2.00	23.70
		1	12	23.48	23.49	23.46	2.00	23.70	23.48	23.49	23.46	2.00	23.70
		1	24	23.40	23.49	23.44	2.00	23.70	23.40	23.49	23.44	2.00	23.70
		12	0	22.40	22.47	22.45	3.00	22.70	22.40	22.47	22.45	3.00	22.70
		12	7	22.46	22.48	22.46	3.00	22.70	22.46	22.48	22.46	3.00	22.70
		12	13	22.38	22.48	22.44	3.00	22.70	22.38	22.48	22.44	3.00	22.70
		25	0	22.35	22.47	22.45	3.00	22.70	22.35	22.47	22.45	3.00	22.70
	256QAM	1	0	20.31	20.17	20.36	5.00	20.70	20.31	20.17	20.36	5.00	20.70
		1	12	20.38	20.24	20.43	5.00	20.70	20.38	20.24	20.43	5.00	20.70
		1	24	20.28	20.19	20.34	5.00	20.70	20.28	20.19	20.34	5.00	20.70
		12	0	20.33	20.34	20.46	5.00	20.70	20.33	20.34	20.46	5.00	20.70
		12	7	20.43	20.40	20.47	5.00	20.70	20.43	20.40	20.47	5.00	20.70
		12	13	20.32	20.36	20.48	5.00	20.70	20.32	20.36	20.48	5.00	20.70
		25	0	20.41	20.44	20.36	5.00	20.70	20.41	20.44	20.36	5.00	20.70

LTE Band 12 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				23025.00	23095.00	23165.00	MPR	Tune-up Limit	23025.00	23095.00	23165.00	MPR	Tune-up Limit
				700.5 MHz	707.5 MHz	714.5 MHz			700.5 MHz	707.5 MHz	714.5 MHz		
3 MHz	QPSK	1	0	25.21	25.28	25.39	0.00	25.70	25.21	25.28	25.39	0.00	25.70
		1	8	25.04	25.16	25.29	0.00	25.70	25.04	25.16	25.29	0.00	25.70
		1	14	25.10	25.25	25.33	0.00	25.70	25.10	25.25	25.33	0.00	25.70
		8	0	24.19	24.26	24.36	1.00	24.70	24.19	24.26	24.36	1.00	24.70
		8	4	24.26	24.35	24.34	1.00	24.70	24.26	24.35	24.34	1.00	24.70
		8	7	24.25	24.36	24.38	1.00	24.70	24.25	24.36	24.38	1.00	24.70
		15	0	24.26	24.36	24.33	1.00	24.70	24.26	24.36	24.33	1.00	24.70
	16QAM	1	0	24.43	24.28	24.36	1.00	24.70	24.43	24.28	24.36	1.00	24.70
		1	8	24.27	24.20	24.34	1.00	24.70	24.27	24.20	24.34	1.00	24.70
		1	14	24.29	24.18	24.28	1.00	24.70	24.29	24.18	24.28	1.00	24.70
		8	0	23.25	23.45	23.42	2.00	23.70	23.25	23.45	23.42	2.00	23.70
		8	4	23.32	23.43	23.36	2.00	23.70	23.32	23.43	23.36	2.00	23.70
		8	7	23.31	23.49	23.48	2.00	23.70	23.31	23.49	23.48	2.00	23.70
		15	0	23.28	23.37	23.40	2.00	23.70	23.28	23.37	23.40	2.00	23.70
	64QAM	1	0	23.35	23.35	23.40	2.00	23.70	23.35	23.35	23.40	2.00	23.70
		1	8	23.38	23.32	23.41	2.00	23.70	23.38	23.32	23.41	2.00	23.70
		1	14	23.36	23.32	23.41	2.00	23.70	23.36	23.32	23.41	2.00	23.70
		8	0	22.32	22.33	22.41	3.00	22.70	22.32	22.33	22.41	3.00	22.70
		8	4	22.36	22.31	22.40	3.00	22.70	22.36	22.31	22.40	3.00	22.70
		8	7	22.35	22.32	22.41	3.00	22.70	22.35	22.32	22.41	3.00	22.70
		15	0	22.38	22.36	22.42	3.00	22.70	22.38	22.36	22.42	3.00	22.70
	256QAM	1	0	20.11	20.30	20.43	5.00	20.70	20.11	20.30	20.43	5.00	20.70
		1	8	20.06	20.37	20.40	5.00	20.70	20.06	20.37	20.40	5.00	20.70
		1	14	20.07	20.28	20.43	5.00	20.70	20.07	20.28	20.43	5.00	20.70
		8	0	20.20	20.46	20.32	5.00	20.70	20.20	20.46	20.32	5.00	20.70
		8	4	20.31	20.49	20.48	5.00	20.70	20.31	20.49	20.48	5.00	20.70
		8	7	20.28	20.50	20.34	5.00	20.70	20.28	20.50	20.34	5.00	20.70
		15	0	20.44	20.46	20.43	5.00	20.70	20.44	20.46	20.43	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				23017.00	23095.00	23173.00	MPR	Tune-up Limit	23017.00	23095.00	23173.00	MPR	Tune-up Limit
				699.7 MHz	707.5 MHz	715.3 MHz			699.7 MHz	707.5 MHz	715.3 MHz		
1.4 MHz	QPSK	1	0	25.08	25.23	25.27	0.00	25.70	25.08	25.23	25.27	0.00	25.70
		1	3	25.10	25.27	25.32	0.00	25.70	25.10	25.27	25.32	0.00	25.70
		1	5	25.05	25.21	25.27	0.00	25.70	25.05	25.21	25.27	0.00	25.70
		3	0	25.04	25.17	25.23	0.00	25.70	25.04	25.17	25.23	0.00	25.70
		3	1	25.11	25.22	25.31	0.00	25.70	25.11	25.22	25.31	0.00	25.70
		3	3	25.10	25.21	25.32	0.00	25.70	25.10	25.21	25.32	0.00	25.70
		6	0	24.18	24.27	24.33	1.00	24.70	24.18	24.27	24.33	1.00	24.70
	16QAM	1	0	24.19	24.36	24.35	1.00	24.70	24.19	24.36	24.35	1.00	24.70
		1	3	24.25	24.33	24.50	1.00	24.70	24.25	24.33	24.50	1.00	24.70
		1	5	24.16	24.40	24.32	1.00	24.70	24.16	24.40	24.32	1.00	24.70
		3	0	24.36	24.35	24.22	1.00	24.70	24.36	24.35	24.22	1.00	24.70
		3	1	24.43	24.36	24.22	1.00	24.70	24.43	24.36	24.22	1.00	24.70
		3	3	24.39	24.35	24.21	1.00	24.70	24.39	24.35	24.21	1.00	24.70
		6	0	23.32	23.50	23.27	2.00	23.70	23.32	23.50	23.27	2.00	23.70
	64QAM	1	0	23.30	22.98	23.11	2.00	23.70	23.30	22.98	23.11	2.00	23.70
		1	3	23.50	23.02	23.07	2.00	23.70	23.50	23.02	23.07	2.00	23.70
		1	5	23.36	23.03	23.05	2.00	23.70	23.36	23.03	23.05	2.00	23.70
		3	0	23.28	23.01	23.11	2.00	23.70	23.28	23.01	23.11	2.00	23.70
		3	1	23.31	22.96	23.12	2.00	23.70	23.31	22.96	23.12	2.00	23.70
		3	3	23.29	22.97	23.10	2.00	23.70	23.29	22.97	23.10	2.00	23.70
		6	0	22.20	22.28	22.40	3.00	22.70	22.20	22.28	22.40	3.00	22.70
	256QAM	1	0	20.24	20.32	20.40	5.00	20.70	20.24	20.32	20.40	5.00	20.70
		1	3	20.42	20.50	20.50	5.00	20.70	20.42	20.50	20.50	5.00	20.70
		1	5	20.27	20.35	20.41	5.00	20.70	20.27	20.35	20.41	5.00	20.70
		3	0	20.29	20.22	20.24	5.00	20.70	20.29	20.22	20.24	5.00	20.70
		3	1	20.24	20.28	20.31	5.00	20.70	20.24	20.28	20.31	5.00	20.70
		3	3	20.17	20.24	20.31	5.00	20.70	20.17	20.24	20.31	5.00	20.70
		6	0	20.13	20.18	20.24	5.00	20.70	20.13	20.18	20.24	5.00	20.70

LTE Band 12 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)				
				23095	MPR	Tune-up Limit	23095	MPR	Tune-up Limit		
				707.5 MHz			707.5 MHz				
10 MHz	QPSK	1	0	24.36	0.00	24.70	24.36	0.00	24.70		
		1	25	24.45	0.00	24.70	24.45	0.00	24.70		
		1	49	24.42	0.00	24.70	24.42	0.00	24.70		
		25	0	23.44	1.00	23.70	23.44	1.00	23.70		
		25	12	23.46	1.00	23.70	23.46	1.00	23.70		
		25	25	23.39	1.00	23.70	23.39	1.00	23.70		
		50	0	23.47	1.00	23.70	23.47	1.00	23.70		
	16QAM	1	0	23.39	1.00	23.70	23.39	1.00	23.70		
		1	25	23.40	1.00	23.70	23.40	1.00	23.70		
		1	49	23.34	1.00	23.70	23.34	1.00	23.70		
		25	0	22.46	2.00	22.70	22.46	2.00	22.70		
		25	12	22.48	2.00	22.70	22.48	2.00	22.70		
		25	25	22.42	2.00	22.70	22.42	2.00	22.70		
		50	0	22.44	2.00	22.70	22.44	2.00	22.70		
	64QAM	1	0	22.43	2.00	22.70	22.43	2.00	22.70		
		1	25	22.42	2.00	22.70	22.42	2.00	22.70		
		1	49	22.42	2.00	22.70	22.42	2.00	22.70		
		25	0	21.56	3.00	21.70	21.56	3.00	21.70		
		25	12	21.59	3.00	21.70	21.59	3.00	21.70		
		25	25	21.57	3.00	21.70	21.57	3.00	21.70		
		50	0	21.56	3.00	21.70	21.56	3.00	21.70		
	256QAM	1	0	19.47	5.00	19.70	19.47	5.00	19.70		
		1	25	19.49	5.00	19.70	19.49	5.00	19.70		
		1	49	19.61	5.00	19.70	19.61	5.00	19.70		
		25	0	19.47	5.00	19.70	19.47	5.00	19.70		
		25	12	19.55	5.00	19.70	19.55	5.00	19.70		
		25	25	19.51	5.00	19.70	19.51	5.00	19.70		
		50	0	19.56	5.00	19.70	19.56	5.00	19.70		

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				23035.00	23095.00	23155.00	MPR	Tune-up Limit	23035.00	23095.00	23155.00	MPR	Tune-up Limit
				701.5 MHz	707.5 MHz	713.5 MHz			701.5 MHz	707.5 MHz	713.5 MHz		
5 MHz	QPSK	1	0	24.52	24.50	24.38	0.00	24.70	24.52	24.50	24.38	0.00	24.70
		1	12	24.37	24.38	24.38	0.00	24.70	24.37	24.38	24.38	0.00	24.70
		1	24	24.34	24.34	24.40	0.00	24.70	24.34	24.34	24.40	0.00	24.70
		12	0	23.38	23.37	23.45	1.00	23.70	23.38	23.37	23.45	1.00	23.70
		12	7	23.47	23.44	23.45	1.00	23.70	23.47	23.44	23.45	1.00	23.70
		12	13	23.41	23.37	23.48	1.00	23.70	23.41	23.37	23.48	1.00	23.70
		25	0	23.43	23.41	23.46	1.00	23.70	23.43	23.41	23.46	1.00	23.70
	16QAM	1	0	23.64	23.57	23.55	1.00	23.70	23.64	23.57	23.55	1.00	23.70
		1	12	23.55	23.47	23.61	1.00	23.70	23.55	23.47	23.61	1.00	23.70
		1	24	23.49	23.43	23.56	1.00	23.70	23.49	23.43	23.56	1.00	23.70
		12	0	22.51	22.46	22.60	2.00	22.70	22.51	22.46	22.60	2.00	22.70
		12	7	22.53	22.50	22.57	2.00	22.70	22.53	22.50	22.57	2.00	22.70
		12	13	22.48	22.44	22.65	2.00	22.70	22.48	22.44	22.65	2.00	22.70
		25	0	22.38	22.41	22.57	2.00	22.70	22.38	22.41	22.57	2.00	22.70
	64QAM	1	0	22.56	22.53	22.68	2.00	22.70	22.56	22.53	22.68	2.00	22.70
		1	12	22.54	22.53	22.63	2.00	22.70	22.54	22.53	22.63	2.00	22.70
		1	24	22.54	22.54	22.69	2.00	22.70	22.54	22.54	22.69	2.00	22.70
		12	0	21.68	21.68	21.57	3.00	21.70	21.68	21.68	21.57	3.00	21.70
		12	7	21.68	21.67	21.49	3.00	21.70	21.68	21.67	21.49	3.00	21.70
		12	13	21.68	21.67	21.54	3.00	21.70	21.68	21.67	21.54	3.00	21.70
		25	0	21.70	21.67	21.52	3.00	21.70	21.70	21.67	21.52	3.00	21.70
	256QAM	1	0	19.60	19.30	19.49	5.00	19.70	19.60	19.30	19.49	5.00	19.70
		1	12	19.65	19.31	19.56	5.00	19.70	19.65	19.31	19.56	5.00	19.70
		1	24	19.56	19.17	19.49	5.00	19.70	19.56	19.17	19.49	5.00	19.70
		12	0	19.52	19.45	19.47	5.00	19.70	19.52	19.45	19.47	5.00	19.70
		12	7	19.59	19.47	19.49	5.00	19.70	19.59	19.47	19.49	5.00	19.70
		12	13	19.52	19.44	19.50	5.00	19.70	19.52	19.44	19.50	5.00	19.70
		25	0	19.49	19.51	19.57	5.00	19.70	19.49	19.51	19.57	5.00	19.70

LTE Band 12 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				23025.00	23095.00	23165.00			23025.00	23095.00	23165.00		
				700.5 MHz	707.5 MHz	714.5 MHz			700.5 MHz	707.5 MHz	714.5 MHz		
3 MHz	QPSK	1	0	24.39	24.35	24.51	0.00	24.70	24.39	24.35	24.51	0.00	24.70
		1	8	24.20	24.25	24.37	0.00	24.70	24.20	24.25	24.37	0.00	24.70
		1	14	24.28	24.29	24.46	0.00	24.70	24.28	24.29	24.46	0.00	24.70
		8	0	23.36	23.42	23.42	1.00	23.70	23.36	23.42	23.42	1.00	23.70
		8	4	23.44	23.38	23.50	1.00	23.70	23.44	23.38	23.50	1.00	23.70
		8	7	23.42	23.40	23.52	1.00	23.70	23.42	23.40	23.52	1.00	23.70
		15	0	23.43	23.43	23.52	1.00	23.70	23.43	23.43	23.52	1.00	23.70
	16QAM	1	0	23.54	23.34	23.62	1.00	23.70	23.54	23.34	23.62	1.00	23.70
		1	8	23.43	23.26	23.61	1.00	23.70	23.43	23.26	23.61	1.00	23.70
		1	14	23.40	23.23	23.55	1.00	23.70	23.40	23.23	23.55	1.00	23.70
		8	0	22.42	22.56	22.52	2.00	22.70	22.42	22.56	22.52	2.00	22.70
		8	4	22.50	22.48	22.62	2.00	22.70	22.50	22.48	22.62	2.00	22.70
		8	7	22.48	22.52	22.61	2.00	22.70	22.48	22.52	22.61	2.00	22.70
		15	0	22.44	22.46	22.59	2.00	22.70	22.44	22.46	22.59	2.00	22.70
	64QAM	1	0	22.47	22.60	22.57	2.00	22.70	22.47	22.60	22.57	2.00	22.70
		1	8	22.47	22.61	22.66	2.00	22.70	22.47	22.61	22.66	2.00	22.70
		1	14	22.48	22.58	22.58	2.00	22.70	22.48	22.58	22.58	2.00	22.70
		8	0	21.57	21.70	21.54	3.00	21.70	21.57	21.70	21.54	3.00	21.70
		8	4	21.57	21.68	21.60	3.00	21.70	21.57	21.68	21.60	3.00	21.70
		8	7	21.56	21.69	21.60	3.00	21.70	21.56	21.69	21.60	3.00	21.70
		15	0	21.56	21.70	21.60	3.00	21.70	21.56	21.70	21.60	3.00	21.70
	256QAM	1	0	19.61	19.39	19.32	5.00	19.70	19.61	19.39	19.32	5.00	19.70
		1	8	19.51	19.43	19.27	5.00	19.70	19.51	19.43	19.27	5.00	19.70
		1	14	19.54	19.36	19.30	5.00	19.70	19.54	19.36	19.30	5.00	19.70
		8	0	19.58	19.60	19.44	5.00	19.70	19.58	19.60	19.44	5.00	19.70
		8	4	19.63	19.61	19.49	5.00	19.70	19.63	19.61	19.49	5.00	19.70
		8	7	19.54	19.59	19.49	5.00	19.70	19.54	19.59	19.49	5.00	19.70
		15	0	19.52	19.52	19.65	5.00	19.70	19.52	19.52	19.65	5.00	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				23017.00	23095.00	23173.00			23017.00	23095.00	23173.00		
				699.7 MHz	707.5 MHz	715.3 MHz			699.7 MHz	707.5 MHz	715.3 MHz		
1.4 MHz	QPSK	1	0	24.24	24.32	24.39	0.00	24.70	24.24	24.32	24.39	0.00	24.70
		1	3	24.27	24.34	24.41	0.00	24.70	24.27	24.34	24.41	0.00	24.70
		1	5	24.25	24.29	24.38	0.00	24.70	24.25	24.29	24.38	0.00	24.70
		3	0	24.24	24.24	24.34	0.00	24.70	24.24	24.24	24.34	0.00	24.70
		3	1	24.28	24.29	24.40	0.00	24.70	24.28	24.29	24.40	0.00	24.70
		3	3	24.25	24.30	24.41	0.00	24.70	24.25	24.30	24.41	0.00	24.70
		6	0	23.32	23.33	23.43	1.00	23.70	23.32	23.33	23.43	1.00	23.70
	16QAM	1	0	23.34	23.45	23.53	1.00	23.70	23.34	23.45	23.53	1.00	23.70
		1	3	23.39	23.38	23.64	1.00	23.70	23.39	23.38	23.64	1.00	23.70
		1	5	23.39	23.42	23.48	1.00	23.70	23.39	23.42	23.48	1.00	23.70
		3	0	23.54	23.42	23.63	1.00	23.70	23.54	23.42	23.63	1.00	23.70
		3	1	23.61	23.42	23.67	1.00	23.70	23.61	23.42	23.67	1.00	23.70
		3	3	23.54	23.37	23.69	1.00	23.70	23.54	23.37	23.69	1.00	23.70
		6	0	22.51	22.51	22.38	2.00	22.70	22.51	22.51	22.38	2.00	22.70
	64QAM	1	0	22.13	22.11	22.53	2.00	22.70	22.13	22.11	22.53	2.00	22.70
		1	3	22.15	22.05	22.65	2.00	22.70	22.15	22.05	22.65	2.00	22.70
		1	5	22.16	22.12	22.55	2.00	22.70	22.16	22.12	22.55	2.00	22.70
		3	0	22.10	22.04	22.38	2.00	22.70	22.10	22.04	22.38	2.00	22.70
		3	1	22.11	22.11	22.35	2.00	22.70	22.11	22.11	22.35	2.00	22.70
		3	3	22.09	22.08	22.45	2.00	22.70	22.09	22.08	22.45	2.00	22.70
		6	0	21.65	21.60	21.41	3.00	21.70	21.65	21.60	21.41	3.00	21.70
	256QAM	1	0	19.40	19.38	19.53	5.00	19.70	19.40	19.38	19.53	5.00	19.70
		1	3	19.55	19.58	19.62	5.00	19.70	19.55	19.58	19.62	5.00	19.70
		1	5	19.43	19.40	19.51	5.00	19.70	19.43	19.40	19.51	5.00	19.70
		3	0	19.33	19.29	19.32	5.00	19.70	19.33	19.29	19.32	5.00	19.70
		3	1	19.39	19.31	19.40	5.00	19.70	19.39	19.31	19.40	5.00	19.70
		3	3	19.33	19.28	19.39	5.00	19.70	19.33	19.28	19.39	5.00	19.70
		6	0	19.24	19.24	19.30	5.00	19.70	19.24	19.24	19.30	5.00	19.70

LTE Band 13 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23230	MPR	Tune-up Limit	23230	MPR	Tune-up Limit
				782 MHz			782 MHz		
10 MHz	QPSK	1	0	25.35	0.00	25.70	25.35	0.00	25.70
		1	25	25.40	0.00	25.70	25.40	0.00	25.70
		1	49	25.17	0.00	25.70	25.17	0.00	25.70
		25	0	24.37	1.00	24.70	24.37	1.00	24.70
		25	12	24.37	1.00	24.70	24.37	1.00	24.70
		25	25	24.28	1.00	24.70	24.28	1.00	24.70
		50	0	24.36	1.00	24.70	24.36	1.00	24.70
	16QAM	1	0	24.30	1.00	24.70	24.30	1.00	24.70
		1	25	24.13	1.00	24.70	24.13	1.00	24.70
		1	49	24.08	1.00	24.70	24.08	1.00	24.70
		25	0	23.44	2.00	23.70	23.44	2.00	23.70
		25	12	23.41	2.00	23.70	23.41	2.00	23.70
		25	25	23.35	2.00	23.70	23.35	2.00	23.70
		50	0	23.39	2.00	23.70	23.39	2.00	23.70
	64QAM	1	0	23.25	2.00	23.70	23.25	2.00	23.70
		1	25	23.41	2.00	23.70	23.41	2.00	23.70
		1	49	23.41	2.00	23.70	23.41	2.00	23.70
		25	0	22.50	3.00	22.70	22.50	3.00	22.70
		25	12	22.46	3.00	22.70	22.46	3.00	22.70
		25	25	22.39	3.00	22.70	22.39	3.00	22.70
		50	0	22.41	3.00	22.70	22.41	3.00	22.70
	256QAM	1	0	20.38	5.00	20.70	20.38	5.00	20.70
		1	25	20.15	5.00	20.70	20.15	5.00	20.70
		1	49	20.33	5.00	20.70	20.33	5.00	20.70
		25	0	20.46	5.00	20.70	20.46	5.00	20.70
		25	12	20.46	5.00	20.70	20.46	5.00	20.70
		25	25	20.36	5.00	20.70	20.36	5.00	20.70
		50	0	20.39	5.00	20.70	20.39	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23230.00	MPR	Tune-up Limit	23230.00	MPR	Tune-up Limit
				782 MHz			782 MHz		
5 MHz	QPSK	1	0	25.06	0.00	25.70	25.06	0.00	25.70
		1	12	25.01	0.00	25.70	25.01	0.00	25.70
		1	24	25.04	0.00	25.70	25.04	0.00	25.70
		12	0	24.12	1.00	24.70	24.12	1.00	24.70
		12	7	24.10	1.00	24.70	24.10	1.00	24.70
		12	13	24.07	1.00	24.70	24.07	1.00	24.70
		25	0	24.12	1.00	24.70	24.12	1.00	24.70
	16QAM	1	0	24.01	1.00	24.70	24.01	1.00	24.70
		1	12	23.98	1.00	24.70	23.98	1.00	24.70
		1	24	23.93	1.00	24.70	23.93	1.00	24.70
		12	0	23.21	2.00	23.70	23.21	2.00	23.70
		12	7	23.14	2.00	23.70	23.14	2.00	23.70
		12	13	23.15	2.00	23.70	23.15	2.00	23.70
		25	0	23.06	2.00	23.70	23.06	2.00	23.70
	64QAM	1	0	23.07	2.00	23.70	23.07	2.00	23.70
		1	12	23.04	2.00	23.70	23.04	2.00	23.70
		1	24	22.98	2.00	23.70	22.98	2.00	23.70
		12	0	22.21	3.00	22.70	22.21	3.00	22.70
		12	7	22.19	3.00	22.70	22.19	3.00	22.70
		12	13	22.15	3.00	22.70	22.15	3.00	22.70
		25	0	22.17	3.00	22.70	22.17	3.00	22.70
	256QAM	1	0	20.05	5.00	20.70	20.05	5.00	20.70
		1	12	19.97	5.00	20.70	19.97	5.00	20.70
		1	24	19.91	5.00	20.70	19.91	5.00	20.70
		12	0	20.19	5.00	20.70	20.19	5.00	20.70
		12	7	20.15	5.00	20.70	20.15	5.00	20.70
		12	13	20.17	5.00	20.70	20.17	5.00	20.70
		25	0	20.24	5.00	20.70	20.24	5.00	20.70

LTE Band 13 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23230	MPR	Tune-up Limit	23230	MPR	Tune-up Limit
				782 MHz			782 MHz		
10 MHz	QPSK	1	0	24.19	0.00	24.70	24.19	0.00	24.70
		1	25	24.20	0.00	24.70	24.20	0.00	24.70
		1	49	24.04	0.00	24.70	24.04	0.00	24.70
		25	0	23.24	1.00	23.70	23.24	1.00	23.70
		25	12	23.30	1.00	23.70	23.30	1.00	23.70
		25	25	23.26	1.00	23.70	23.26	1.00	23.70
		50	0	23.30	1.00	23.70	23.30	1.00	23.70
	16QAM	1	0	23.28	1.00	23.70	23.28	1.00	23.70
		1	25	23.24	1.00	23.70	23.24	1.00	23.70
		1	49	23.23	1.00	23.70	23.23	1.00	23.70
		25	0	22.02	2.00	22.70	22.02	2.00	22.70
		25	12	22.07	2.00	22.70	22.07	2.00	22.70
		25	25	22.02	2.00	22.70	22.02	2.00	22.70
		50	0	22.09	2.00	22.70	22.09	2.00	22.70
	64QAM	1	0	22.03	2.00	22.70	22.03	2.00	22.70
		1	25	22.06	2.00	22.70	22.06	2.00	22.70
		1	49	22.07	2.00	22.70	22.07	2.00	22.70
		25	0	21.02	3.00	21.70	21.02	3.00	21.70
		25	12	21.10	3.00	21.70	21.10	3.00	21.70
		25	25	21.05	3.00	21.70	21.05	3.00	21.70
		50	0	21.07	3.00	21.70	21.07	3.00	21.70
	256QAM	1	0	18.72	5.00	19.70	18.72	5.00	19.70
		1	25	18.72	5.00	19.70	18.72	5.00	19.70
		1	49	18.79	5.00	19.70	18.79	5.00	19.70
		25	0	19.05	5.00	19.70	19.05	5.00	19.70
		25	12	19.13	5.00	19.70	19.13	5.00	19.70
		25	25	19.05	5.00	19.70	19.05	5.00	19.70
		50	0	19.07	5.00	19.70	19.07	5.00	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23230.00	MPR	Tune-up Limit	23230.00	MPR	Tune-up Limit
				782 MHz			782 MHz		
5 MHz	QPSK	1	0	23.94	0.00	24.70	23.94	0.00	24.70
		1	12	23.90	0.00	24.70	23.90	0.00	24.70
		1	24	23.89	0.00	24.70	23.89	0.00	24.70
		12	0	22.93	1.00	23.70	22.93	1.00	23.70
		12	7	23.02	1.00	23.70	23.02	1.00	23.70
		12	13	22.96	1.00	23.70	22.96	1.00	23.70
		25	0	22.99	1.00	23.70	22.99	1.00	23.70
	16QAM	1	0	23.02	1.00	23.70	23.02	1.00	23.70
		1	12	23.10	1.00	23.70	23.10	1.00	23.70
		1	24	23.01	1.00	23.70	23.01	1.00	23.70
		12	0	22.02	2.00	22.70	22.02	2.00	22.70
		12	7	22.08	2.00	22.70	22.08	2.00	22.70
		12	13	22.05	2.00	22.70	22.05	2.00	22.70
		25	0	21.95	2.00	22.70	21.95	2.00	22.70
	64QAM	1	0	22.09	2.00	22.70	22.09	2.00	22.70
		1	12	22.13	2.00	22.70	22.13	2.00	22.70
		1	24	22.11	2.00	22.70	22.11	2.00	22.70
		12	0	20.97	3.00	21.70	20.97	3.00	21.70
		12	7	21.01	3.00	21.70	21.01	3.00	21.70
		12	13	20.98	3.00	21.70	20.98	3.00	21.70
		25	0	20.95	3.00	21.70	20.95	3.00	21.70
	256QAM	1	0	18.90	5.00	19.70	18.90	5.00	19.70
		1	12	18.98	5.00	19.70	18.98	5.00	19.70
		1	24	18.96	5.00	19.70	18.96	5.00	19.70
		12	0	18.93	5.00	19.70	18.93	5.00	19.70
		12	7	18.99	5.00	19.70	18.99	5.00	19.70
		12	13	18.98	5.00	19.70	18.98	5.00	19.70
		25	0	19.03	5.00	19.70	19.03	5.00	19.70

LTE Band 14 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23330	MPR	Tune-up Limit	23330	MPR	Tune-up Limit
				793 MHz			793 MHz		
10 MHz	QPSK	1	0	25.24	0.00	25.70	25.24	0.00	25.70
		1	25	25.36	0.00	25.70	25.36	0.00	25.70
		1	49	25.30	0.00	25.70	25.30	0.00	25.70
		25	0	24.26	1.00	24.70	24.26	1.00	24.70
		25	12	24.31	1.00	24.70	24.31	1.00	24.70
		25	25	24.25	1.00	24.70	24.25	1.00	24.70
		50	0	24.28	1.00	24.70	24.28	1.00	24.70
	16QAM	1	0	24.30	1.00	24.70	24.30	1.00	24.70
		1	25	24.23	1.00	24.70	24.23	1.00	24.70
		1	49	24.26	1.00	24.70	24.26	1.00	24.70
		25	0	23.31	2.00	23.70	23.31	2.00	23.70
		25	12	23.36	2.00	23.70	23.36	2.00	23.70
		25	25	23.32	2.00	23.70	23.32	2.00	23.70
		50	0	23.36	2.00	23.70	23.36	2.00	23.70
	64QAM	1	0	23.30	2.00	23.70	23.30	2.00	23.70
		1	25	23.29	2.00	23.70	23.29	2.00	23.70
		1	49	23.28	2.00	23.70	23.28	2.00	23.70
		25	0	22.34	3.00	22.70	22.34	3.00	22.70
		25	12	22.44	3.00	22.70	22.44	3.00	22.70
		25	25	22.39	3.00	22.70	22.39	3.00	22.70
		50	0	22.39	3.00	22.70	22.39	3.00	22.70
	256QAM	1	0	20.10	5.00	20.70	20.10	5.00	20.70
		1	25	20.11	5.00	20.70	20.11	5.00	20.70
		1	49	20.17	5.00	20.70	20.17	5.00	20.70
		25	0	20.29	5.00	20.70	20.29	5.00	20.70
		25	12	20.41	5.00	20.70	20.41	5.00	20.70
		25	25	20.31	5.00	20.70	20.31	5.00	20.70
		50	0	20.30	5.00	20.70	20.30	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23330.00	MPR	Tune-up Limit	23330.00	MPR	Tune-up Limit
				793 MHz			793 MHz		
5 MHz	QPSK	1	0	25.33	0.00	25.70	25.33	0.00	25.70
		1	12	25.38	0.00	25.70	25.38	0.00	25.70
		1	24	25.25	0.00	25.70	25.25	0.00	25.70
		12	0	24.34	1.00	24.70	24.34	1.00	24.70
		12	7	24.37	1.00	24.70	24.37	1.00	24.70
		12	13	24.31	1.00	24.70	24.31	1.00	24.70
		25	0	24.32	1.00	24.70	24.32	1.00	24.70
	16QAM	1	0	24.32	1.00	24.70	24.32	1.00	24.70
		1	12	24.50	1.00	24.70	24.50	1.00	24.70
		1	24	24.39	1.00	24.70	24.39	1.00	24.70
		12	0	23.42	2.00	23.70	23.42	2.00	23.70
		12	7	23.42	2.00	23.70	23.42	2.00	23.70
		12	13	23.41	2.00	23.70	23.41	2.00	23.70
		25	0	23.30	2.00	23.70	23.30	2.00	23.70
	64QAM	1	0	23.25	2.00	23.70	23.25	2.00	23.70
		1	12	23.35	2.00	23.70	23.35	2.00	23.70
		1	24	23.23	2.00	23.70	23.23	2.00	23.70
		12	0	22.40	3.00	22.70	22.40	3.00	22.70
		12	7	22.42	3.00	22.70	22.42	3.00	22.70
		12	13	22.34	3.00	22.70	22.34	3.00	22.70
		25	0	22.33	3.00	22.70	22.33	3.00	22.70
	256QAM	1	0	20.23	5.00	20.70	20.23	5.00	20.70
		1	12	20.24	5.00	20.70	20.24	5.00	20.70
		1	24	20.13	5.00	20.70	20.13	5.00	20.70
		12	0	20.35	5.00	20.70	20.35	5.00	20.70
		12	7	20.37	5.00	20.70	20.37	5.00	20.70
		12	13	20.28	5.00	20.70	20.28	5.00	20.70
		25	0	20.37	5.00	20.70	20.37	5.00	20.70

LTE Band 14 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23330	MPR	Tune-up Limit	23330	MPR	Tune-up Limit
				793 MHz			793 MHz		
10 MHz	QPSK	1	0	24.27	0.00	24.70	24.27	0.00	24.70
		1	25	24.30	0.00	24.70	24.30	0.00	24.70
		1	49	24.17	0.00	24.70	24.17	0.00	24.70
		25	0	23.25	1.00	23.70	23.25	1.00	23.70
		25	12	23.28	1.00	23.70	23.28	1.00	23.70
		25	25	23.17	1.00	23.70	23.17	1.00	23.70
		50	0	23.22	1.00	23.70	23.22	1.00	23.70
	16QAM	1	0	23.30	1.00	23.70	23.30	1.00	23.70
		1	25	23.25	1.00	23.70	23.25	1.00	23.70
		1	49	23.22	1.00	23.70	23.22	1.00	23.70
		25	0	22.01	2.00	22.70	22.01	2.00	22.70
		25	12	22.02	2.00	22.70	22.02	2.00	22.70
		25	25	21.95	2.00	22.70	21.95	2.00	22.70
		50	0	21.97	2.00	22.70	21.97	2.00	22.70
	64QAM	1	0	22.20	2.00	22.70	22.20	2.00	22.70
		1	25	22.12	2.00	22.70	22.12	2.00	22.70
		1	49	22.06	2.00	22.70	22.06	2.00	22.70
		25	0	21.06	3.00	21.70	21.06	3.00	21.70
		25	12	21.05	3.00	21.70	21.05	3.00	21.70
		25	25	21.08	3.00	21.70	21.08	3.00	21.70
		50	0	20.97	3.00	21.70	20.97	3.00	21.70
	256QAM	1	0	18.70	5.00	19.70	18.70	5.00	19.70
		1	25	18.83	5.00	19.70	18.83	5.00	19.70
		1	49	18.82	5.00	19.70	18.82	5.00	19.70
		25	0	19.05	5.00	19.70	19.05	5.00	19.70
		25	12	19.02	5.00	19.70	19.02	5.00	19.70
		25	25	18.91	5.00	19.70	18.91	5.00	19.70
		50	0	18.95	5.00	19.70	18.95	5.00	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23330.00	MPR	Tune-up Limit	23330.00	MPR	Tune-up Limit
				793 MHz			793 MHz		
5 MHz	QPSK	1	0	23.90	0.00	24.70	23.90	0.00	24.70
		1	12	23.93	0.00	24.70	23.93	0.00	24.70
		1	24	23.82	0.00	24.70	23.82	0.00	24.70
		12	0	22.97	1.00	23.70	22.97	1.00	23.70
		12	7	22.96	1.00	23.70	22.96	1.00	23.70
		12	13	22.89	1.00	23.70	22.89	1.00	23.70
		25	0	22.91	1.00	23.70	22.91	1.00	23.70
	16QAM	1	0	23.33	1.00	23.70	23.33	1.00	23.70
		1	12	23.40	1.00	23.70	23.40	1.00	23.70
		1	24	23.38	1.00	23.70	23.38	1.00	23.70
		12	0	22.15	2.00	22.70	22.15	2.00	22.70
		12	7	22.15	2.00	22.70	22.15	2.00	22.70
		12	13	22.11	2.00	22.70	22.11	2.00	22.70
		25	0	22.00	2.00	22.70	22.00	2.00	22.70
	64QAM	1	0	21.94	2.00	22.70	21.94	2.00	22.70
		1	12	21.93	2.00	22.70	21.93	2.00	22.70
		1	24	21.87	2.00	22.70	21.87	2.00	22.70
		12	0	21.05	3.00	21.70	21.05	3.00	21.70
		12	7	21.06	3.00	21.70	21.06	3.00	21.70
		12	13	21.00	3.00	21.70	21.00	3.00	21.70
		25	0	20.97	3.00	21.70	20.97	3.00	21.70
	256QAM	1	0	18.88	5.00	19.70	18.88	5.00	19.70
		1	12	18.85	5.00	19.70	18.85	5.00	19.70
		1	24	18.70	5.00	19.70	18.70	5.00	19.70
		12	0	18.99	5.00	19.70	18.99	5.00	19.70
		12	7	18.97	5.00	19.70	18.97	5.00	19.70
		12	13	18.95	5.00	19.70	18.95	5.00	19.70
		25	0	19.02	5.00	19.70	19.02	5.00	19.70

LTE Band 25 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26140	26365	26590	MPR	Tune-up Limit	26140	26365	26590	MPR	Tune-up Limit
				1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	QPSK	1	0	23.31	23.37	23.40	0.00	24.20	16.67	16.89	16.79	0.00	17.30
		1	49	23.32	23.42	23.40	0.00	24.20	16.70	16.91	16.91	0.00	17.30
		1	99	23.30	23.38	23.30	0.00	24.20	16.68	16.85	16.85	0.00	17.30
		50	0	23.36	23.46	23.45	0.00	24.20	16.73	16.72	16.70	0.00	17.30
		50	24	23.40	23.51	23.51	0.00	24.20	16.79	17.00	17.00	0.00	17.30
		50	50	23.35	23.49	23.52	0.00	24.20	16.78	16.80	16.80	0.00	17.30
		100	0	23.40	23.45	23.38	0.00	24.20	16.78	16.90	16.70	0.00	17.30
	16QAM	1	0	23.20	23.37	23.35	0.00	24.20	16.88	16.85	16.79	0.00	17.30
		1	49	23.21	23.26	23.21	0.00	24.20	16.82	16.71	16.90	0.00	17.30
		1	99	23.28	23.37	23.36	0.00	24.20	16.84	16.87	16.82	0.00	17.30
		50	0	22.86	22.90	22.98	0.50	23.70	16.76	16.76	16.70	0.00	17.30
		50	24	22.99	22.89	23.07	0.50	23.70	16.82	16.75	16.75	0.00	17.30
		50	50	23.02	22.95	23.06	0.50	23.70	16.82	16.81	16.75	0.00	17.30
		100	0	23.00	22.88	23.06	0.50	23.70	16.82	16.73	16.76	0.00	17.30
	64QAM	1	0	22.91	22.83	22.94	0.50	23.70	16.80	16.68	16.75	0.00	17.30
		1	49	23.00	22.83	22.93	0.50	23.70	16.80	16.68	16.83	0.00	17.30
		1	99	22.99	22.82	22.96	0.50	23.70	16.81	16.68	16.89	0.00	17.30
		50	0	21.94	22.42	22.47	1.50	22.70	16.81	16.67	16.72	0.00	17.30
		50	24	22.04	22.43	22.47	1.50	22.70	16.80	16.68	16.80	0.00	17.30
		50	50	22.05	22.43	22.44	1.50	22.70	16.83	16.67	16.81	0.00	17.30
		100	0	22.02	22.43	22.47	1.50	22.70	16.82	16.65	16.74	0.00	17.30
	256QAM	1	0	19.87	20.11	20.12	3.50	20.70	16.96	16.66	16.82	0.00	17.30
		1	49	19.83	20.08	20.13	3.50	20.70	16.88	16.69	16.73	0.00	17.30
		1	99	19.88	20.07	20.20	3.50	20.70	16.85	16.73	16.75	0.00	17.30
		50	0	19.97	19.95	20.01	3.50	20.70	16.77	16.78	16.70	0.00	17.30
		50	24	20.04	19.90	20.08	3.50	20.70	16.77	16.74	16.80	0.00	17.30
		50	50	20.03	19.97	20.01	3.50	20.70	16.75	16.83	16.76	0.00	17.30
		100	0	20.02	19.87	20.06	3.50	20.70	16.72	16.73	16.79	0.00	17.30
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26115.00	26365.00	26615.00	MPR	Tune-up Limit	26115.00	26365.00	26615.00	MPR	Tune-up Limit
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	23.35	23.30	23.41	0.00	24.20	16.68	16.72	16.80	0.00	17.30
		1	37	23.33	23.27	23.32	0.00	24.20	16.59	16.71	16.80	0.00	17.30
		1	74	23.46	23.30	23.47	0.00	24.20	16.66	16.73	16.81	0.00	17.30
		36	0	23.36	23.36	23.43	0.00	24.20	16.72	16.73	16.87	0.00	17.30
		36	20	23.43	23.34	23.40	0.00	24.20	16.77	16.73	16.88	0.00	17.30
		36	39	23.44	23.39	23.49	0.00	24.20	16.74	16.76	16.91	0.00	17.30
		75	0	23.42	23.33	23.44	0.00	24.20	16.72	16.66	16.85	0.00	17.30
	16QAM	1	0	23.69	23.60	23.69	0.00	24.20	16.55	16.88	16.55	0.00	17.30
		1	37	23.76	23.61	23.63	0.00	24.20	16.70	16.76	16.58	0.00	17.30
		1	74	23.73	23.62	23.74	0.00	24.20	16.52	16.86	16.63	0.00	17.30
		36	0	23.04	23.08	23.16	0.30	23.90	16.76	16.70	16.85	0.00	17.30
		36	20	23.14	23.05	23.16	0.30	23.90	16.83	16.69	16.86	0.00	17.30
		36	39	23.15	23.08	23.21	0.30	23.90	16.78	16.75	16.91	0.00	17.30
		75	0	23.16	23.03	23.16	0.30	23.90	16.79	16.68	16.85	0.00	17.30
	64QAM	1	0	23.68	23.06	23.06	0.30	23.90	16.69	16.74	16.76	0.00	17.30
		1	37	23.65	23.06	23.06	0.30	23.90	16.69	16.88	16.79	0.00	17.30
		1	74	23.65	23.05	23.05	0.30	23.90	16.69	16.88	16.71	0.00	17.30
		36	0	22.11	22.46	22.45	1.30	22.90	16.69	16.89	16.78	0.00	17.30
		36	20	22.19	22.45	22.45	1.30	22.90	16.69	16.88	16.78	0.00	17.30
		36	39	22.16	22.46	22.45	1.30	22.90	16.69	16.87	16.80	0.00	17.30
		75	0	22.22	22.45	22.45	1.30	22.90	16.68	16.74	16.73	0.00	17.30
	256QAM	1	0	20.35	20.52	19.91	3.30	20.90	16.60	16.51	16.31	0.00	17.30
		1	37	20.35	20.50	20.00	3.30	20.90	16.57	16.57	16.32	0.00	17.30
		1	74	20.44	20.56	20.10	3.30	20.90	16.63	16.69	16.41	0.00	17.30
		36	0	20.09	20.16	20.16	3.30	20.90	16.42	16.35	16.51	0.00	17.30
		36	20	20.18	20.12	20.16	3.30	20.90	16.44	16.34	16.53	0.00	17.30
		36	39	20.13	20.14	20.21	3.30	20.90	16.42	16.34	16.54	0.00	17.30
		75	0	20.15	20.12	20.12	3.30	20.90	16.44	16.30	16.48	0.00	17.30

LTE Band 25 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26090.00	26365.00	26640.00			26090.00	26365.00	26640.00		
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	23.26	23.25	23.35	0.00	24.20	16.60	16.61	16.83	0.00	17.30
		1	25	23.21	23.20	23.34	0.00	24.20	16.55	16.59	16.81	0.00	17.30
		1	49	23.27	23.28	23.54	0.00	24.20	16.56	16.65	16.98	0.00	17.30
		25	0	23.27	23.33	23.32	0.00	24.20	16.66	16.69	16.81	0.00	17.30
		25	12	23.40	23.34	23.41	0.00	24.20	16.74	16.69	16.84	0.00	17.30
		25	25	23.42	23.40	23.52	0.00	24.20	16.72	16.78	16.93	0.00	17.30
		50	0	23.40	23.34	23.45	0.00	24.20	16.73	16.67	16.83	0.00	17.30
	16QAM	1	0	23.43	23.28	23.81	0.00	24.20	16.76	16.64	16.61	0.00	17.30
		1	25	23.34	23.20	23.82	0.00	24.20	16.64	16.60	16.61	0.00	17.30
		1	49	23.43	23.29	23.99	0.00	24.20	16.69	16.69	16.65	0.00	17.30
		25	0	23.15	23.04	23.12	0.30	23.90	16.77	16.72	16.47	0.00	17.30
		25	12	23.25	23.07	23.16	0.30	23.90	16.86	16.72	16.51	0.00	17.30
		25	25	23.23	23.15	23.29	0.30	23.90	16.84	16.81	16.58	0.00	17.30
		50	0	23.15	23.01	23.15	0.30	23.90	16.78	16.67	16.50	0.00	17.30
	64QAM	1	0	23.26	23.07	22.99	0.30	23.90	16.68	16.60	16.61	0.00	17.30
		1	25	23.29	23.07	23.00	0.30	23.90	16.64	16.61	16.65	0.00	17.30
		1	49	23.30	23.05	22.98	0.30	23.90	16.67	16.61	16.57	0.00	17.30
		25	0	22.15	22.48	22.40	1.30	22.90	16.65	16.60	16.50	0.00	17.30
		25	12	22.25	22.48	22.42	1.30	22.90	16.66	16.62	16.61	0.00	17.30
		25	25	22.26	22.47	22.44	1.30	22.90	16.66	16.60	16.69	0.00	17.30
		50	0	22.15	22.45	22.41	1.30	22.90	16.66	16.62	16.49	0.00	17.30
	256QAM	1	0	20.14	20.57	20.09	3.30	20.90	16.45	16.73	16.75	0.00	17.30
		1	25	20.14	20.53	20.03	3.30	20.90	16.41	16.79	16.74	0.00	17.30
		1	49	20.15	20.58	20.14	3.30	20.90	16.44	16.78	16.82	0.00	17.30
		25	0	20.15	20.11	20.16	3.30	20.90	16.60	16.51	16.74	0.00	17.30
		25	12	20.24	20.10	20.20	3.30	20.90	16.72	16.56	16.78	0.00	17.30
		25	25	20.25	20.21	20.32	3.30	20.90	16.64	16.65	16.87	0.00	17.30
		50	0	20.19	20.10	20.14	3.30	20.90	16.65	16.57	16.73	0.00	17.30

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26065.00	26365.00	26665.00			26065.00	26365.00	26665.00		
				1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	23.31	23.30	23.34	0.00	24.20	16.69	16.70	16.56	0.00	17.30
		1	12	23.32	23.32	23.42	0.00	24.20	16.72	16.74	16.64	0.00	17.30
		1	24	23.31	23.31	23.47	0.00	24.20	16.69	16.70	16.71	0.00	17.30
		12	0	23.34	23.21	23.43	0.00	24.20	16.73	16.57	16.61	0.00	17.30
		12	7	23.42	23.25	23.55	0.00	24.20	16.77	16.64	16.72	0.00	17.30
		12	13	23.40	23.34	23.53	0.00	24.20	16.81	16.73	16.73	0.00	17.30
		25	0	23.38	23.22	23.45	0.00	24.20	16.73	16.60	16.66	0.00	17.30
	16QAM	1	0	23.50	23.45	23.95	0.00	24.20	16.83	16.79	16.78	0.00	17.30
		1	12	23.54	23.46	23.95	0.00	24.20	16.88	16.82	16.81	0.00	17.30
		1	24	23.53	23.50	23.96	0.00	24.20	16.82	16.84	16.90	0.00	17.30
		12	0	23.17	23.00	23.28	0.30	23.90	16.82	16.66	16.78	0.00	17.30
		12	7	23.20	23.02	23.38	0.30	23.90	16.86	16.68	16.85	0.00	17.30
		12	13	23.21	23.18	23.44	0.30	23.90	16.83	16.82	16.72	0.00	17.30
		25	0	23.07	23.00	23.27	0.30	23.90	16.74	16.67	16.74	0.00	17.30
	64QAM	1	0	23.24	23.07	23.22	0.30	23.90	16.79	16.75	16.75	0.00	17.30
		1	12	23.34	23.08	23.21	0.30	23.90	16.79	16.77	16.87	0.00	17.30
		1	24	23.34	23.09	23.24	0.30	23.90	16.79	16.75	16.76	0.00	17.30
		12	0	22.17	22.48	22.63	1.30	22.90	16.82	16.95	16.60	0.00	17.30
		12	7	22.20	22.49	22.64	1.30	22.90	16.81	16.95	16.73	0.00	17.30
		12	13	22.23	22.47	22.62	1.30	22.90	16.79	16.98	16.73	0.00	17.30
		25	0	22.13	22.48	22.63	1.30	22.90	16.79	16.96	16.66	0.00	17.30
	256QAM	1	0	20.00	20.04	20.29	3.30	20.90	16.56	16.63	16.80	0.00	17.30
		1	12	20.17	19.90	20.39	3.30	20.90	16.65	16.81	16.88	0.00	17.30
		1	24	20.10	19.90	20.38	3.30	20.90	16.60	16.76	16.89	0.00	17.30
		12	0	20.09	19.96	20.18	3.30	20.90	16.76	16.64	16.69	0.00	17.30
		12	7	20.14	20.03	20.33	3.30	20.90	16.81	16.70	16.81	0.00	17.30
		12	13	20.17	20.15	20.33	3.30	20.90	16.83	16.82	16.84	0.00	17.30
		25	0	20.15	20.06	20.18	3.30	20.90	16.85	16.70	16.72	0.00	17.30

LTE Band 25 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26055.00	26365.00	26675.00			26055.00	26365.00	26675.00		
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	23.20	23.21	23.29	0.00	24.20	16.58	16.59	16.69	0.00	17.30
		1	8	23.20	23.37	23.34	0.00	24.20	16.61	16.55	16.73	0.00	17.30
		1	14	23.36	23.34	23.49	0.00	24.20	16.69	16.70	16.91	0.00	17.30
		8	0	23.37	23.39	23.37	0.00	24.20	16.74	16.59	16.75	0.00	17.30
		8	4	23.37	23.34	23.41	0.00	24.20	16.76	16.67	16.79	0.00	17.30
		8	7	23.45	23.31	23.44	0.00	24.20	16.79	16.73	16.85	0.00	17.30
		15	0	23.42	23.24	23.46	0.00	24.20	16.77	16.59	16.84	0.00	17.30
	16QAM	1	0	23.26	23.63	23.49	0.00	24.20	16.65	16.82	16.71	0.00	17.30
		1	8	23.29	23.74	23.56	0.00	24.20	16.65	16.71	16.74	0.00	17.30
		1	14	23.33	23.80	23.65	0.00	24.20	16.72	16.79	16.83	0.00	17.30
		8	0	23.20	23.01	23.12	0.30	23.90	16.84	16.67	16.63	0.00	17.30
		8	4	23.20	23.13	23.20	0.30	23.90	16.85	16.71	16.70	0.00	17.30
		8	7	23.26	23.15	23.24	0.30	23.90	16.91	16.82	16.76	0.00	17.30
		15	0	23.14	23.04	23.15	0.30	23.90	16.81	16.68	16.65	0.00	17.30
	64QAM	1	0	23.24	22.92	22.92	0.30	23.90	16.67	16.74	16.63	0.00	17.30
		1	8	23.36	22.95	23.09	0.30	23.90	16.67	16.74	16.81	0.00	17.30
		1	14	23.40	22.93	23.11	0.30	23.90	16.68	16.72	16.71	0.00	17.30
		8	0	22.06	22.66	22.61	1.30	22.90	16.68	16.75	16.71	0.00	17.30
		8	4	22.10	22.66	22.63	1.30	22.90	16.68	16.74	16.75	0.00	17.30
		8	7	22.15	22.65	22.63	1.30	22.90	16.67	16.73	16.78	0.00	17.30
		15	0	22.18	22.65	22.57	1.30	22.90	16.68	16.76	16.76	0.00	17.30
	256QAM	1	0	19.99	20.49	20.05	3.30	20.90	16.58	16.53	16.57	0.00	17.30
		1	8	20.14	20.58	19.97	3.30	20.90	16.70	16.77	16.68	0.00	17.30
		1	14	20.09	20.68	20.11	3.30	20.90	16.70	16.74	16.83	0.00	17.30
		8	0	20.24	20.12	20.02	3.30	20.90	16.49	16.74	16.73	0.00	17.30
		8	4	20.27	20.17	20.13	3.30	20.90	16.53	16.84	16.80	0.00	17.30
		8	7	20.32	20.17	20.17	3.30	20.90	16.56	16.89	16.86	0.00	17.30
		15	0	20.22	20.02	20.25	3.30	20.90	16.49	16.76	17.00	0.00	17.30

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26047.00	26365.00	26683.00			26047.00	26365.00	26683.00		
				1850.7 MHz	1882.5 MHz	1914.3 MHz			1850.7 MHz	1882.5 MHz	1914.3 MHz		
1.4 MHz	QPSK	1	0	23.22	23.33	23.40	0.00	24.20	16.66	16.55	16.70	0.00	17.30
		1	3	23.29	23.39	23.55	0.00	24.20	16.68	16.62	16.78	0.00	17.30
		1	5	23.30	23.22	23.47	0.00	24.20	16.74	16.64	16.79	0.00	17.30
		3	0	23.22	23.30	23.33	0.00	24.20	16.62	16.56	16.70	0.00	17.30
		3	1	23.30	23.20	23.39	0.00	24.20	16.65	16.64	16.78	0.00	17.30
		3	3	23.35	23.22	23.45	0.00	24.20	16.67	16.63	16.82	0.00	17.30
		6	0	23.33	23.24	23.45	0.00	24.20	16.78	16.63	16.86	0.00	17.30
	16QAM	1	0	23.67	23.28	23.58	0.00	24.20	16.82	16.80	16.64	0.00	17.30
		1	3	23.86	23.35	23.54	0.00	24.20	16.82	16.78	16.75	0.00	17.30
		1	5	23.74	23.37	23.63	0.00	24.20	16.89	16.86	16.74	0.00	17.30
		3	0	23.52	23.42	23.49	0.00	24.20	16.57	16.84	16.79	0.00	17.30
		3	1	23.59	23.54	23.56	0.00	24.20	16.60	16.88	16.73	0.00	17.30
		3	3	23.57	23.50	23.59	0.00	24.20	16.61	16.90	16.72	0.00	17.30
		6	0	22.99	23.16	23.37	0.30	23.90	16.70	16.61	16.85	0.00	17.30
	64QAM	1	0	23.50	22.93	23.50	0.30	23.90	16.54	16.46	16.56	0.00	17.30
		1	3	23.58	22.95	23.46	0.30	23.90	16.51	16.46	16.67	0.00	17.30
		1	5	23.54	22.92	23.48	0.30	23.90	16.53	16.44	16.67	0.00	17.30
		3	0	23.30	22.93	23.53	0.30	23.90	16.56	16.44	16.65	0.00	17.30
		3	1	23.48	22.93	23.48	0.30	23.90	16.54	16.45	16.58	0.00	17.30
		3	3	23.49	22.93	23.49	0.30	23.90	16.51	16.44	16.68	0.00	17.30
		6	0	22.11	22.66	22.54	1.30	22.90	16.51	16.43	16.49	0.00	17.30
	256QAM	1	0	20.14	20.03	20.11	3.30	20.90	16.64	16.61	16.57	0.00	17.30
		1	3	20.26	20.03	20.22	3.30	20.90	16.81	16.78	16.69	0.00	17.30
		1	5	20.18	20.01	20.16	3.30	20.90	16.72	16.68	16.65	0.00	17.30
		3	0	20.03	20.02	20.27	3.30	20.90	16.49	16.56	16.48	0.00	17.30
		3	1	20.06	19.99	20.31	3.30	20.90	16.54	16.51	16.51	0.00	17.30
		3	3	20.09	20.09	20.30	3.30	20.90	16.65	16.51	16.47	0.00	17.30
		6	0	20.00	20.03	20.20	3.30	20.90	16.55	16.45	16.45	0.00	17.30

LTE Band 25 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26140	26365	26590	MPR	Tune-up Limit	26140	26365	26590	MPR	Tune-up Limit
				1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	QPSK	1	0	18.36	18.48	18.38	0.00	19.50	18.53	18.55	18.51	0.00	19.20
		1	49	18.40	18.50	18.41	0.00	19.50	18.54	18.55	18.54	0.00	19.20
		1	99	18.37	18.36	18.33	0.00	19.50	18.52	18.49	18.53	0.00	19.20
		50	0	18.41	18.49	18.43	0.00	19.50	18.55	18.57	18.57	0.00	19.20
		50	24	18.51	18.53	18.49	0.00	19.50	18.60	18.59	18.57	0.00	19.20
		50	50	18.50	18.47	18.42	0.00	19.50	18.60	18.57	18.50	0.00	19.20
		100	0	18.49	18.54	18.50	0.00	19.50	18.62	18.62	18.57	0.00	19.20
	16QAM	1	0	18.38	18.50	18.45	0.00	19.50	18.61	18.60	18.55	0.00	19.20
		1	49	18.42	18.38	18.40	0.00	19.50	18.54	18.56	18.51	0.00	19.20
		1	99	18.41	18.38	18.38	0.00	19.50	18.54	18.53	18.55	0.00	19.20
		50	0	18.37	18.43	18.40	0.00	19.50	18.56	18.58	18.53	0.00	19.20
		50	24	18.48	18.50	18.44	0.00	19.50	18.56	18.62	18.62	0.00	19.20
		50	50	18.47	18.46	18.42	0.00	19.50	18.62	18.57	18.60	0.00	19.20
		100	0	18.49	18.52	18.50	0.00	19.50	18.44	18.53	18.57	0.00	19.20
	64QAM	1	0	18.32	18.41	18.30	0.00	19.50	18.58	18.53	18.49	0.00	19.20
		1	49	18.35	18.36	18.47	0.00	19.50	18.60	18.52	18.56	0.00	19.20
		1	99	18.44	18.35	18.38	0.00	19.50	18.58	18.50	18.56	0.00	19.20
		50	0	18.12	18.17	18.10	0.00	19.50	18.20	18.23	18.22	0.00	19.20
		50	24	18.23	18.19	18.17	0.00	19.50	18.27	18.31	18.31	0.00	19.20
		50	50	18.19	18.14	18.11	0.00	19.50	18.25	18.26	18.29	0.00	19.20
		100	0	18.19	18.16	18.15	0.00	19.50	19.18	19.17	19.18	0.00	19.20
	256QAM	1	0	17.65	17.66	17.62	1.30	18.20	17.73	17.97	17.91	1.00	18.20
		1	49	17.85	17.82	17.83	1.30	18.20	17.69	17.91	17.93	1.00	18.20
		1	99	17.81	17.76	17.73	1.30	18.20	17.65	17.85	17.92	1.00	18.20
		50	0	17.68	17.70	17.69	1.30	18.20	17.82	17.80	17.80	1.00	18.20
		50	24	17.78	17.74	17.71	1.30	18.20	17.87	17.87	17.86	1.00	18.20
		50	50	17.74	17.69	17.63	1.30	18.20	17.83	17.78	17.79	1.00	18.20
		100	0	17.72	17.70	17.66	1.30	18.20	17.86	17.78	17.82	1.00	18.20
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26115.00	26365.00	26615.00	MPR	Tune-up Limit	26115.00	26365.00	26615.00	MPR	Tune-up Limit
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	18.45	18.49	18.46	0.00	19.50	18.58	18.60	18.57	0.00	19.20
		1	37	18.38	18.43	18.34	0.00	19.50	18.57	18.51	18.54	0.00	19.20
		1	74	18.45	18.41	18.39	0.00	19.50	18.56	18.50	18.53	0.00	19.20
		36	0	18.43	18.55	18.47	0.00	19.50	18.59	18.57	18.57	0.00	19.20
		36	20	18.51	18.52	18.46	0.00	19.50	18.55	18.62	18.56	0.00	19.20
		36	39	18.48	18.46	18.41	0.00	19.50	18.61	18.58	18.60	0.00	19.20
		75	0	18.50	18.50	18.48	0.00	19.50	18.54	18.61	18.58	0.00	19.20
	16QAM	1	0	18.68	18.63	18.78	0.00	19.50	18.58	18.44	18.55	0.00	19.20
		1	37	18.59	18.55	18.74	0.00	19.50	18.54	18.44	18.51	0.00	19.20
		1	74	18.39	18.38	18.57	0.00	19.50	18.55	18.59	18.51	0.00	19.20
		36	0	18.39	18.52	18.45	0.00	19.50	18.57	18.56	18.61	0.00	19.20
		36	20	18.50	18.50	18.41	0.00	19.50	18.61	18.56	18.60	0.00	19.20
		36	39	18.47	18.45	18.40	0.00	19.50	18.61	18.57	18.60	0.00	19.20
		75	0	18.47	18.47	18.45	0.00	19.50	18.61	18.60	18.62	0.00	19.20
	64QAM	1	0	18.59	18.62	18.69	0.00	19.50	18.57	18.46	18.58	0.00	19.20
		1	37	18.56	18.55	18.61	0.00	19.50	18.59	18.49	18.54	0.00	19.20
		1	74	18.60	18.52	18.60	0.00	19.50	18.61	18.45	18.55	0.00	19.20
		36	0	18.51	18.59	18.51	0.00	19.50	19.11	18.25	18.24	0.00	19.20
		36	20	18.59	18.57	18.52	0.00	19.50	19.18	18.24	18.22	0.00	19.20
		36	39	18.53	18.50	18.48	0.00	19.50	19.14	19.17	18.38	0.00	19.20
		75	0	18.54	18.51	18.46	0.00	19.50	19.14	19.17	18.43	0.00	19.20
	256QAM	1	0	17.85	17.90	17.88	1.30	18.20	18.12	18.00	18.05	1.00	18.20
		1	37	17.88	17.88	17.79	1.30	18.20	18.20	17.97	18.02	1.00	18.20
		1	74	17.91	17.87	17.86	1.30	18.20	18.17	17.90	17.96	1.00	18.20
		36	0	17.71	17.80	17.73	1.30	18.20	17.82	17.85	17.82	1.00	18.20
		36	20	17.77	17.76	17.70	1.30	18.20	17.88	17.79	17.77	1.00	18.20
		36	39	17.74	17.69	17.66	1.30	18.20	17.84	17.74	17.73	1.00	18.20
		75	0	17.73	17.73	17.70	1.30	18.20	17.88	17.77	17.79	1.00	18.20

LTE Band 25 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26090.00	26365.00	26640.00			26090.00	26365.00	26640.00		
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	18.33	18.39	18.35	0.00	19.50	18.49	18.52	18.42	0.00	19.20
		1	25	18.34	18.38	18.30	0.00	19.50	18.39	18.41	18.39	0.00	19.20
		1	49	18.40	18.39	18.38	0.00	19.50	18.40	18.46	18.51	0.00	19.20
		25	0	18.40	18.44	18.30	0.00	19.50	18.57	18.58	18.49	0.00	19.20
		25	12	18.45	18.46	18.32	0.00	19.50	18.61	18.61	18.53	0.00	19.20
		25	25	18.42	18.44	18.41	0.00	19.50	18.56	18.58	18.61	0.00	19.20
		50	0	18.43	18.44	18.32	0.00	19.50	18.61	18.59	18.53	0.00	19.20
	16QAM	1	0	18.47	18.52	18.35	0.00	19.50	18.56	18.60	18.61	0.00	19.20
		1	25	18.34	18.38	18.30	0.00	19.50	18.54	18.49	18.48	0.00	19.20
		1	49	18.35	18.35	18.45	0.00	19.50	18.58	18.57	18.58	0.00	19.20
		25	0	18.56	18.55	18.38	0.00	19.50	18.52	18.50	18.61	0.00	19.20
		25	12	18.59	18.58	18.43	0.00	19.50	18.55	18.53	18.46	0.00	19.20
		25	25	18.57	18.58	18.55	0.00	19.50	18.53	18.52	18.56	0.00	19.20
		50	0	18.53	18.52	18.40	0.00	19.50	18.47	18.46	18.62	0.00	19.20
	64QAM	1	0	18.55	18.77	18.57	0.00	19.50	18.60	18.56	18.57	0.00	19.20
		1	25	18.57	18.69	18.58	0.00	19.50	18.58	18.54	18.61	0.00	19.20
		1	49	18.56	18.68	18.73	0.00	19.50	18.61	18.57	18.53	0.00	19.20
		25	0	18.49	18.51	18.36	0.00	19.50	18.51	18.47	18.49	0.00	19.20
		25	12	18.53	18.54	18.41	0.00	19.50	18.54	18.51	18.20	0.00	19.20
		25	25	18.58	18.54	18.52	0.00	19.50	18.54	18.47	18.34	0.00	19.20
		50	0	18.46	18.49	18.32	0.00	19.50	18.47	18.45	19.03	0.00	19.20
	256QAM	1	0	17.66	17.96	17.86	1.30	18.20	17.92	18.16	18.16	1.00	18.20
		1	25	17.63	17.97	17.91	1.30	18.20	17.96	18.15	18.15	1.00	18.20
		1	49	17.73	18.00	17.97	1.30	18.20	18.00	18.15	18.20	1.00	18.20
		25	0	17.74	17.73	17.57	1.30	18.20	17.89	17.83	17.72	1.00	18.20
		25	12	17.77	17.76	17.59	1.30	18.20	17.91	17.86	17.77	1.00	18.20
		25	25	17.75	17.76	17.71	1.30	18.20	17.90	17.86	17.95	1.00	18.20
		50	0	17.71	17.74	17.60	1.30	18.20	17.90	17.84	17.81	1.00	18.20
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26065.00	26365.00	26665.00			26065.00	26365.00	26665.00		
				1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	18.30	18.42	18.37	0.00	19.50	18.50	18.51	18.48	0.00	19.20
		1	12	18.32	18.38	18.34	0.00	19.50	18.53	18.48	18.55	0.00	19.20
		1	24	18.34	18.38	18.37	0.00	19.50	18.51	18.49	18.61	0.00	19.20
		12	0	18.35	18.32	18.30	0.00	19.50	18.52	18.51	18.52	0.00	19.20
		12	7	18.40	18.43	18.38	0.00	19.50	18.60	18.56	18.53	0.00	19.20
		12	13	18.41	18.42	18.39	0.00	19.50	18.59	18.55	18.57	0.00	19.20
		25	0	18.37	18.37	18.34	0.00	19.50	18.55	18.52	18.58	0.00	19.20
	16QAM	1	0	18.47	18.53	18.42	0.00	19.50	18.56	18.55	18.48	0.00	19.20
		1	12	18.52	18.52	18.51	0.00	19.50	18.62	18.56	18.56	0.00	19.20
		1	24	18.50	18.51	18.52	0.00	19.50	18.55	18.54	18.58	0.00	19.20
		12	0	18.44	18.44	18.36	0.00	19.50	18.54	18.58	18.60	0.00	19.20
		12	7	18.49	18.47	18.43	0.00	19.50	18.57	18.61	18.49	0.00	19.20
		12	13	18.52	18.49	18.52	0.00	19.50	18.60	18.62	18.55	0.00	19.20
		25	0	18.35	18.40	18.32	0.00	19.50	18.55	18.51	18.58	0.00	19.20
	64QAM	1	0	18.49	18.37	18.36	0.00	19.50	18.48	18.51	18.52	0.00	19.20
		1	12	18.60	18.31	18.45	0.00	19.50	18.53	18.49	18.55	0.00	19.20
		1	24	18.62	18.33	18.35	0.00	19.50	18.53	18.51	18.57	0.00	19.20
		12	0	18.43	18.41	18.32	0.00	19.50	17.90	18.47	18.48	0.00	19.20
		12	7	18.41	18.45	18.39	0.00	19.50	17.71	18.54	18.57	0.00	19.20
		12	13	18.47	18.48	18.43	0.00	19.50	18.00	18.56	18.56	0.00	19.20
		25	0	18.39	18.40	18.33	0.00	19.50	17.92	18.56	18.61	0.00	19.20
	256QAM	1	0	17.50	17.43	17.40	1.30	18.20	17.53	17.57	17.60	1.00	18.20
		1	12	17.63	17.43	17.37	1.30	18.20	17.63	17.59	17.70	1.00	18.20
		1	24	17.60	17.46	17.43	1.30	18.20	17.65	17.60	17.68	1.00	18.20
		12	0	17.56	17.55	17.50	1.30	18.20	17.77	17.71	17.72	1.00	18.20
		12	7	17.66	17.63	17.61	1.30	18.20	17.83	17.79	17.84	1.00	18.20
		12	13	17.67	17.61	17.60	1.30	18.20	17.83	17.79	17.89	1.00	18.20
		25	0	17.63	17.67	17.64	1.30	18.20	17.89	17.82	17.87	1.00	18.20

LTE Band 25 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26055.00	26365.00	26675.00			26055.00	26365.00	26675.00		
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	18.38	18.35	18.30	0.00	19.50	18.42	18.36	18.42	0.00	19.20
		1	8	18.33	18.31	18.36	0.00	19.50	18.39	18.32	18.40	0.00	19.20
		1	14	18.35	18.33	18.33	0.00	19.50	18.51	18.49	18.55	0.00	19.20
		8	0	18.35	18.31	18.30	0.00	19.50	18.52	18.49	18.52	0.00	19.20
		8	4	18.38	18.36	18.33	0.00	19.50	18.57	18.52	18.57	0.00	19.20
		8	7	18.42	18.39	18.40	0.00	19.50	18.59	18.56	18.60	0.00	19.20
		15	0	18.40	18.39	18.36	0.00	19.50	18.58	18.55	18.60	0.00	19.20
	16QAM	1	0	18.42	18.44	18.35	0.00	19.50	18.60	18.43	18.59	0.00	19.20
		1	8	18.39	18.40	18.43	0.00	19.50	18.61	18.44	18.59	0.00	19.20
		1	14	18.51	18.49	18.37	0.00	19.50	18.61	18.50	18.59	0.00	19.20
		8	0	18.44	18.39	18.43	0.00	19.50	18.55	18.61	18.59	0.00	19.20
		8	4	18.45	18.42	18.47	0.00	19.50	18.61	18.62	18.58	0.00	19.20
		8	7	18.50	18.48	18.52	0.00	19.50	18.58	18.62	18.61	0.00	19.20
		15	0	18.41	18.39	18.41	0.00	19.50	18.58	18.59	18.54	0.00	19.20
	64QAM	1	0	18.49	18.58	18.52	0.00	19.50	18.52	18.53	18.52	0.00	19.20
		1	8	18.61	18.52	18.56	0.00	19.50	18.57	18.51	18.58	0.00	19.20
		1	14	18.68	18.60	18.67	0.00	19.50	18.57	18.57	18.60	0.00	19.20
		8	0	18.31	18.37	18.35	0.00	19.50	18.41	18.44	18.29	0.00	19.20
		8	4	18.35	18.33	18.34	0.00	19.50	18.46	18.53	18.33	0.00	19.20
		8	7	18.42	18.36	18.40	0.00	19.50	18.51	18.57	18.37	0.00	19.20
		15	0	18.43	18.45	18.45	0.00	19.50	18.54	18.61	18.49	0.00	19.20
	256QAM	1	0	17.39	17.43	17.39	1.30	18.20	17.57	17.61	18.16	1.00	18.20
		1	8	17.59	17.55	17.55	1.30	18.20	17.79	17.74	18.11	1.00	18.20
		1	14	17.58	17.52	17.54	1.30	18.20	17.76	17.70	18.19	1.00	18.20
		8	0	17.70	17.63	17.67	1.30	18.20	17.88	17.80	17.88	1.00	18.20
		8	4	17.74	17.65	17.72	1.30	18.20	17.90	17.82	17.91	1.00	18.20
		8	7	17.75	17.72	17.74	1.30	18.20	17.93	17.88	17.96	1.00	18.20
		15	0	17.67	17.67	17.65	1.30	18.20	17.86	17.81	17.85	1.00	18.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26047.00	26365.00	26683.00			26047.00	26365.00	26683.00		
				1850.7 MHz	1882.5 MHz	1914.3 MHz			1850.7 MHz	1882.5 MHz	1914.3 MHz		
1.4 MHz	QPSK	1	0	18.32	18.32	18.31	0.00	19.50	18.43	18.47	18.38	0.00	19.20
		1	3	18.39	18.33	18.36	0.00	19.50	18.56	18.51	18.45	0.00	19.20
		1	5	18.40	18.38	18.39	0.00	19.50	18.49	18.57	18.45	0.00	19.20
		3	0	18.35	18.33	18.33	0.00	19.50	18.33	18.48	18.34	0.00	19.20
		3	1	18.36	18.34	18.36	0.00	19.50	18.44	18.53	18.45	0.00	19.20
		3	3	18.32	18.37	18.38	0.00	19.50	18.47	18.53	18.45	0.00	19.20
		6	0	18.46	18.46	18.38	0.00	19.50	18.48	18.56	18.52	0.00	19.20
	16QAM	1	0	18.32	18.40	18.55	0.00	19.50	18.57	18.59	18.49	0.00	19.20
		1	3	18.42	18.39	18.75	0.00	19.50	18.57	18.57	18.55	0.00	19.20
		1	5	18.45	18.35	18.64	0.00	19.50	18.62	18.53	18.53	0.00	19.20
		3	0	18.55	18.44	18.48	0.00	19.50	18.54	18.49	18.61	0.00	19.20
		3	1	18.58	18.55	18.54	0.00	19.50	18.58	18.54	18.52	0.00	19.20
		3	3	18.61	18.54	18.52	0.00	19.50	18.61	18.51	18.47	0.00	19.20
		6	0	18.52	18.51	18.53	0.00	19.50	18.62	18.53	18.45	0.00	19.20
	64QAM	1	0	18.83	18.57	18.49	0.00	19.50	18.56	18.62	18.47	0.00	19.20
		1	3	18.93	18.63	18.58	0.00	19.50	18.61	18.57	18.56	0.00	19.20
		1	5	18.87	18.63	18.62	0.00	19.50	18.62	18.58	18.60	0.00	19.20
		3	0	18.65	18.30	18.31	0.00	19.50	18.47	18.62	18.55	0.00	19.20
		3	1	18.63	18.39	18.36	0.00	19.50	18.51	18.56	18.55	0.00	19.20
		3	3	18.72	18.39	18.39	0.00	19.50	18.53	18.58	18.57	0.00	19.20
		6	0	18.30	18.36	18.33	0.00	19.50	18.59	18.42	18.58	0.00	19.20
	256QAM	1	0	17.62	17.39	17.39	1.30	18.20	17.63	17.78	17.64	1.00	18.20
		1	3	17.74	17.55	17.49	1.30	18.20	17.74	17.98	17.73	1.00	18.20
		1	5	17.69	17.49	17.46	1.30	18.20	17.69	17.84	17.72	1.00	18.20
		3	0	17.49	17.60	17.52	1.30	18.20	17.79	17.61	17.78	1.00	18.20
		3	1	17.55	17.63	17.57	1.30	18.20	17.88	17.65	17.83	1.00	18.20
		3	3	17.57	17.65	17.61	1.30	18.20	17.93	17.62	17.90	1.00	18.20
		6	0	17.41	17.55	17.50	1.30	18.20	17.74	17.62	17.76	1.00	18.20

LTE Band 25 Measured Results (ANT3)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26140	26365	26590	MPR	Tune-up Limit	26140	26365	26590	MPR	Tune-up Limit
				1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	QPSK	1	0	24.04	24.25	24.24	0.00	24.40	19.90	20.07	20.16	0.00	20.50
		1	49	24.21	24.25	24.24	0.00	24.40	19.91	20.25	20.25	0.00	20.50
		1	99	24.21	24.20	24.20	0.00	24.40	20.02	20.09	20.23	0.00	20.50
		50	0	23.95	24.09	24.08	0.20	24.20	19.93	20.10	20.21	0.00	20.50
		50	24	24.05	24.14	24.08	0.20	24.20	20.05	20.25	20.25	0.00	20.50
		50	50	24.05	24.08	24.07	0.20	24.20	20.04	20.20	20.20	0.00	20.50
		100	0	24.04	24.14	24.06	0.20	24.20	20.04	20.26	20.26	0.00	20.50
	16QAM	1	0	24.12	24.11	24.20	0.20	24.20	19.88	20.01	19.98	0.00	20.50
		1	49	24.20	24.16	24.20	0.20	24.20	19.96	19.96	19.87	0.00	20.50
		1	99	24.20	24.17	24.17	0.20	24.20	20.05	20.08	20.05	0.00	20.50
		50	0	22.93	23.08	23.07	1.20	23.20	19.70	19.93	20.04	0.00	20.50
		50	24	23.02	23.14	23.06	1.20	23.20	19.81	19.97	20.13	0.00	20.50
		50	50	23.02	23.11	23.11	1.20	23.20	19.82	20.04	20.10	0.00	20.50
		100	0	23.03	23.16	23.09	1.20	23.20	19.82	19.95	20.11	0.00	20.50
	64QAM	1	0	23.19	23.04	22.99	1.20	23.20	19.85	19.97	20.17	0.00	20.50
		1	49	23.15	22.92	22.96	1.20	23.20	19.85	19.96	19.95	0.00	20.50
		1	99	23.13	22.93	23.18	1.20	23.20	19.83	19.96	19.82	0.00	20.50
		50	0	22.04	22.11	22.18	2.20	22.20	19.84	19.94	20.05	0.00	20.50
		50	24	22.15	22.18	22.18	2.20	22.20	19.85	19.94	20.13	0.00	20.50
		50	50	22.13	22.14	22.18	2.20	22.20	19.85	19.94	20.11	0.00	20.50
		100	0	22.07	22.18	22.15	2.20	22.20	19.84	19.94	20.13	0.00	20.50
	256QAM	1	0	20.13	20.02	20.10	4.20	20.20	19.47	19.67	19.50	0.30	20.20
		1	49	20.19	20.01	20.11	4.20	20.20	19.56	19.63	19.62	0.30	20.20
		1	99	20.20	19.96	20.12	4.20	20.20	19.64	19.71	19.58	0.30	20.20
		50	0	20.01	20.14	20.12	4.20	20.20	19.37	19.53	19.61	0.30	20.20
		50	24	20.12	20.18	20.08	4.20	20.20	19.50	19.56	19.75	0.30	20.20
		50	50	20.07	20.15	20.12	4.20	20.20	19.46	19.59	19.72	0.30	20.20
		100	0	20.03	20.17	20.05	4.20	20.20	19.44	19.48	19.72	0.30	20.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26115.00	26365.00	26615.00	MPR	Tune-up Limit	26115.00	26365.00	26615.00	MPR	Tune-up Limit
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	24.16	24.30	24.29	0.00	24.40	19.90	20.03	20.19	0.00	20.50
		1	37	24.12	24.22	24.20	0.00	24.40	19.91	20.03	20.13	0.00	20.50
		1	74	24.17	24.24	24.25	0.00	24.40	19.98	20.03	20.20	0.00	20.50
		36	0	23.93	24.08	24.04	0.20	24.20	19.91	20.12	20.22	0.00	20.50
		36	20	24.01	24.12	24.03	0.20	24.20	20.00	20.15	20.23	0.00	20.50
		36	39	23.99	24.08	24.06	0.20	24.20	19.97	20.16	20.26	0.00	20.50
		75	0	23.96	24.12	24.05	0.20	24.20	19.98	20.10	20.20	0.00	20.50
	16QAM	1	0	24.10	24.12	24.19	0.20	24.20	20.02	19.60	20.01	0.00	20.50
		1	37	24.17	24.20	24.20	0.20	24.20	19.95	19.65	19.99	0.00	20.50
		1	74	24.13	24.18	24.19	0.20	24.20	19.90	19.63	20.07	0.00	20.50
		36	0	22.93	23.05	23.04	1.20	23.20	19.69	19.91	20.07	0.00	20.50
		36	20	22.99	23.13	23.04	1.20	23.20	19.79	19.91	20.05	0.00	20.50
		36	39	22.98	23.08	23.07	1.20	23.20	19.76	19.96	20.07	0.00	20.50
		75	0	23.01	23.11	23.03	1.20	23.20	19.77	19.89	20.02	0.00	20.50
	64QAM	1	0	23.15	23.12	23.05	1.20	23.20	19.68	19.86	19.85	0.00	20.50
		1	37	23.20	23.18	23.07	1.20	23.20	19.65	19.83	19.98	0.00	20.50
		1	74	23.14	23.18	23.09	1.20	23.20	19.67	19.85	20.00	0.00	20.50
		36	0	21.96	22.15	22.13	2.20	22.20	19.66	19.82	20.03	0.00	20.50
		36	20	22.03	22.20	22.12	2.20	22.20	19.66	19.84	20.02	0.00	20.50
		36	39	22.03	22.17	22.16	2.20	22.20	19.66	19.82	20.08	0.00	20.50
		75	0	22.05	22.15	22.06	2.20	22.20	19.66	19.82	20.04	0.00	20.50
	256QAM	1	0	20.17	20.20	20.10	4.20	20.20	19.57	20.09	20.05	0.30	20.20
		1	37	20.18	20.18	20.01	4.20	20.20	19.57	20.11	20.06	0.30	20.20
		1	74	20.20	20.20	20.05	4.20	20.20	19.63	20.20	20.13	0.30	20.20
		36	0	19.93	20.17	20.14	4.20	20.20	19.74	19.95	20.03	0.30	20.20
		36	20	20.04	20.20	20.10	4.20	20.20	19.85	19.95	19.99	0.30	20.20
		36	39	20.00	20.16	20.14	4.20	20.20	19.80	20.01	20.03	0.30	20.20
		75	0	20.01	20.18	20.12	4.20	20.20	19.80	19.92	20.01	0.30	20.20

LTE Band 25 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26090.00	26365.00	26640.00	MPR	Tune-up Limit	26090.00	26365.00	26640.00	MPR	Tune-up Limit
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	23.95	24.18	24.12	0.00	24.40	19.51	19.82	19.93	0.00	20.50
		1	25	23.96	24.08	24.02	0.00	24.40	19.56	19.75	19.96	0.00	20.50
		1	49	24.02	24.15	24.18	0.00	24.40	19.57	19.84	20.05	0.00	20.50
		25	0	23.86	24.07	24.02	0.20	24.20	19.63	19.89	19.93	0.00	20.50
		25	12	23.97	24.08	24.06	0.20	24.20	19.73	19.89	20.02	0.00	20.50
		25	25	23.96	24.08	24.06	0.20	24.20	19.74	19.95	20.06	0.00	20.50
		50	0	23.94	24.09	24.06	0.20	24.20	19.74	19.88	20.06	0.00	20.50
	16QAM	1	0	23.99	24.11	24.06	0.20	24.20	19.69	19.85	20.10	0.00	20.50
		1	25	23.88	24.03	23.92	0.20	24.20	19.62	19.79	20.03	0.00	20.50
		1	49	23.97	24.05	24.13	0.20	24.20	19.69	19.88	20.22	0.00	20.50
		25	0	22.94	23.17	23.14	1.20	23.20	19.73	19.93	19.99	0.00	20.50
		25	12	23.07	23.20	23.19	1.20	23.20	19.84	19.93	20.09	0.00	20.50
		25	25	23.06	23.19	23.18	1.20	23.20	19.83	20.03	20.11	0.00	20.50
		50	0	23.00	23.14	23.13	1.20	23.20	19.76	19.86	20.09	0.00	20.50
	64QAM	1	0	23.19	23.16	23.19	1.20	23.20	19.64	19.77	20.14	0.00	20.50
		1	25	23.18	23.12	23.18	1.20	23.20	19.60	19.78	20.18	0.00	20.50
		1	49	23.16	23.05	23.20	1.20	23.20	19.59	19.78	20.23	0.00	20.50
		25	0	21.95	22.16	22.13	2.20	22.20	19.60	19.78	20.01	0.00	20.50
		25	12	22.03	22.18	22.16	2.20	22.20	19.59	19.78	20.16	0.00	20.50
		25	25	22.07	22.18	22.17	2.20	22.20	19.62	19.80	20.18	0.00	20.50
		50	0	22.01	22.12	22.12	2.20	22.20	19.60	19.77	20.06	0.00	20.50
	256QAM	1	0	20.12	20.12	20.10	4.20	20.20	19.39	19.80	19.87	0.30	20.20
		1	25	20.20	20.18	20.10	4.20	20.20	19.37	19.79	19.83	0.30	20.20
		1	49	20.14	20.19	20.14	4.20	20.20	19.42	19.92	19.91	0.30	20.20
		25	0	19.96	20.17	20.14	4.20	20.20	19.53	19.70	19.83	0.30	20.20
		25	12	20.04	20.18	20.16	4.20	20.20	19.68	19.80	19.94	0.30	20.20
		25	25	20.04	20.20	20.18	4.20	20.20	19.63	19.80	19.96	0.30	20.20
		50	0	20.02	20.19	20.15	4.20	20.20	19.61	19.75	19.89	0.30	20.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26065.00	26365.00	26665.00	MPR	Tune-up Limit	26065.00	26365.00	26665.00	MPR	Tune-up Limit
				1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	24.07	24.18	24.12	0.00	24.40	19.64	19.88	19.88	0.00	20.50
		1	12	24.04	24.21	24.18	0.00	24.40	19.66	19.93	19.96	0.00	20.50
		1	24	24.04	24.21	24.33	0.00	24.40	19.69	19.95	19.95	0.00	20.50
		12	0	23.77	24.01	23.90	0.20	24.20	19.60	19.75	19.84	0.00	20.50
		12	7	23.91	24.07	24.07	0.20	24.20	19.73	19.84	19.94	0.00	20.50
		12	13	23.91	24.07	24.09	0.20	24.20	19.74	19.95	20.07	0.00	20.50
		25	0	23.87	24.02	23.93	0.20	24.20	19.69	19.81	19.92	0.00	20.50
	16QAM	1	0	23.97	24.17	24.07	0.20	24.20	19.73	20.04	20.19	0.00	20.50
		1	12	24.05	24.20	24.20	0.20	24.20	19.84	20.08	20.23	0.00	20.50
		1	24	24.00	24.16	24.20	0.20	24.20	19.78	20.09	20.30	0.00	20.50
		12	0	22.83	23.10	22.97	1.20	23.20	19.67	19.91	20.07	0.00	20.50
		12	7	22.97	23.12	23.13	1.20	23.20	19.80	19.93	20.12	0.00	20.50
		12	13	23.01	23.14	23.17	1.20	23.20	19.83	20.08	20.24	0.00	20.50
		25	0	22.86	23.02	22.92	1.20	23.20	19.68	19.88	19.99	0.00	20.50
	64QAM	1	0	22.76	22.98	23.20	1.20	23.20	19.69	19.89	20.13	0.00	20.50
		1	12	22.81	22.98	23.20	1.20	23.20	19.70	19.92	20.24	0.00	20.50
		1	24	22.87	23.03	23.12	1.20	23.20	19.69	19.92	20.29	0.00	20.50
		12	0	21.83	22.06	21.99	2.20	22.20	19.70	19.93	19.98	0.00	20.50
		12	7	22.01	22.17	22.14	2.20	22.20	19.68	19.92	20.01	0.00	20.50
		12	13	21.98	22.11	22.17	2.20	22.20	19.69	19.91	20.10	0.00	20.50
		25	0	21.92	22.06	21.96	2.20	22.20	19.68	19.91	19.94	0.00	20.50
	256QAM	1	0	19.69	19.89	19.92	4.20	20.20	19.57	19.44	19.70	0.30	20.20
		1	12	19.79	19.92	20.06	4.20	20.20	19.68	19.57	19.88	0.30	20.20
		1	24	19.76	19.94	20.07	4.20	20.20	19.65	19.56	19.89	0.30	20.20
		12	0	19.79	20.03	19.91	4.20	20.20	19.44	19.59	19.73	0.30	20.20
		12	7	19.93	20.10	20.07	4.20	20.20	19.64	19.66	19.82	0.30	20.20
		12	13	19.96	20.09	20.11	4.20	20.20	19.61	19.74	19.89	0.30	20.20
		25	0	19.98	20.11	19.99	4.20	20.20	19.52	19.68	19.80	0.30	20.20

LTE Band 25 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26055.00	26365.00	26675.00			26055.00	26365.00	26675.00		
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	23.91	24.08	24.06	0.00	24.40	19.69	19.89	19.88	0.00	20.50
		1	8	23.90	24.05	24.03	0.00	24.40	19.71	19.96	19.88	0.00	20.50
		1	14	24.05	24.18	24.19	0.00	24.40	19.87	20.07	20.07	0.00	20.50
		8	0	23.85	23.98	23.97	0.20	24.20	19.79	19.97	19.88	0.00	20.50
		8	4	23.87	24.04	24.02	0.20	24.20	19.90	20.01	19.98	0.00	20.50
		8	7	23.92	24.08	24.08	0.20	24.20	19.96	20.05	20.02	0.00	20.50
		15	0	23.88	24.06	24.03	0.20	24.20	19.93	20.06	20.04	0.00	20.50
	16QAM	1	0	23.87	24.05	24.08	0.20	24.20	19.89	20.00	20.02	0.00	20.50
		1	8	23.87	24.05	24.10	0.20	24.20	19.88	20.01	20.11	0.00	20.50
		1	14	24.02	24.16	24.18	0.20	24.20	20.00	20.13	20.27	0.00	20.50
		8	0	22.91	23.07	23.03	1.20	23.20	19.57	19.94	19.77	0.00	20.50
		8	4	22.95	23.10	23.10	1.20	23.20	19.74	19.95	19.90	0.00	20.50
		8	7	23.00	23.15	23.13	1.20	23.20	19.80	20.02	19.97	0.00	20.50
		15	0	22.92	23.05	23.05	1.20	23.20	19.71	19.92	19.92	0.00	20.50
	64QAM	1	0	23.07	23.20	23.13	1.20	23.20	19.62	19.97	20.10	0.00	20.50
		1	8	23.16	23.13	23.09	1.20	23.20	19.62	19.99	20.00	0.00	20.50
		1	14	23.14	23.19	23.03	1.20	23.20	19.61	19.98	20.00	0.00	20.50
		8	0	21.97	22.13	22.10	2.20	22.20	19.64	19.97	19.84	0.00	20.50
		8	4	22.00	22.12	22.15	2.20	22.20	19.60	19.99	20.02	0.00	20.50
		8	7	22.02	22.19	22.17	2.20	22.20	19.64	19.98	20.08	0.00	20.50
		15	0	21.92	22.07	22.04	2.20	22.20	19.61	19.97	20.10	0.00	20.50
	256QAM	1	0	20.20	20.20	20.20	4.20	20.20	19.37	20.03	19.79	0.30	20.20
		1	8	20.18	20.14	20.11	4.20	20.20	19.42	20.09	20.01	0.30	20.20
		1	14	20.07	20.13	20.07	4.20	20.20	19.57	20.19	20.05	0.30	20.20
		8	0	19.94	20.06	20.03	4.20	20.20	19.54	19.91	20.09	0.30	20.20
		8	4	20.05	20.19	20.13	4.20	20.20	19.72	19.92	20.15	0.30	20.20
		8	7	20.03	20.20	20.14	4.20	20.20	19.76	20.01	20.20	0.30	20.20
		15	0	20.01	20.14	20.07	4.20	20.20	19.84	19.88	20.13	0.30	20.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26047.00	26365.00	26683.00			26047.00	26365.00	26683.00		
				1850.7 MHz	1882.5 MHz	1914.3 MHz			1850.7 MHz	1882.5 MHz	1914.3 MHz		
1.4 MHz	QPSK	1	0	23.94	24.03	24.06	0.00	24.40	19.68	19.96	19.84	0.00	20.50
		1	3	24.09	24.11	24.11	0.00	24.40	19.79	20.00	19.92	0.00	20.50
		1	5	24.03	24.13	24.17	0.00	24.40	19.79	20.05	19.95	0.00	20.50
		3	0	23.87	24.02	24.08	0.00	24.40	19.69	19.89	19.85	0.00	20.50
		3	1	23.97	24.13	24.14	0.00	24.40	19.77	19.97	19.92	0.00	20.50
		3	3	23.92	24.15	24.17	0.00	24.40	19.77	19.96	19.96	0.00	20.50
		6	0	23.81	23.99	23.96	0.20	24.20	19.84	19.99	19.89	0.00	20.50
	16QAM	1	0	23.85	23.91	24.14	0.20	24.20	19.76	20.11	20.04	0.00	20.50
		1	3	23.87	24.10	24.12	0.20	24.20	19.88	20.11	20.07	0.00	20.50
		1	5	23.97	24.07	24.10	0.20	24.20	19.89	20.21	19.99	0.00	20.50
		3	0	24.13	24.18	24.00	0.20	24.20	20.00	20.10	20.02	0.00	20.50
		3	1	24.13	24.14	24.01	0.20	24.20	20.08	20.12	20.02	0.00	20.50
		3	3	24.15	24.11	24.02	0.20	24.20	20.12	20.16	20.05	0.00	20.50
		6	0	23.02	23.20	22.92	1.20	23.20	20.02	20.18	19.64	0.00	20.50
	64QAM	1	0	23.03	23.04	23.03	1.20	23.20	19.55	19.74	20.03	0.00	20.50
		1	3	23.18	23.09	23.07	1.20	23.20	19.56	19.68	20.07	0.00	20.50
		1	5	23.19	23.10	23.08	1.20	23.20	19.52	19.70	20.08	0.00	20.50
		3	0	23.18	23.11	23.04	1.20	23.20	19.53	19.70	19.98	0.00	20.50
		3	1	22.99	23.10	23.14	1.20	23.20	19.53	19.66	19.95	0.00	20.50
		3	3	22.96	23.08	23.16	1.20	23.20	19.54	19.71	20.10	0.00	20.50
		6	0	21.94	22.04	22.07	2.20	22.20	19.50	19.70	19.62	0.00	20.50
	256QAM	1	0	19.68	19.63	19.59	4.20	20.20	19.68	19.82	19.88	0.30	20.20
		1	3	19.86	19.83	19.78	4.20	20.20	19.88	19.97	20.11	0.30	20.20
		1	5	19.83	19.85	19.79	4.20	20.20	19.81	19.96	20.07	0.30	20.20
		3	0	19.90	19.85	19.81	4.20	20.20	19.61	19.66	19.82	0.30	20.20
		3	1	19.96	19.88	19.80	4.20	20.20	19.68	19.75	19.85	0.30	20.20
		3	3	19.93	19.95	19.89	4.20	20.20	19.65	19.73	19.95	0.30	20.20
		6	0	19.87	20.09	20.01	4.20	20.20	19.63	19.67	19.71	0.30	20.20

LTE Band 25 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26140	26365	26590	MPR	Tune-up Limit	26140	26365	26590	MPR	Tune-up Limit
				1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	QPSK	1	0	19.44	19.29	19.35	0.00	19.60	21.48	21.48	21.41	0.00	22.00
		1	49	19.45	19.45	19.45	0.00	19.60	21.50	21.50	21.45	0.00	22.00
		1	99	19.31	19.36	19.40	0.00	19.60	21.20	21.49	21.44	0.00	22.00
		50	0	19.40	19.34	19.45	0.00	19.60	21.42	21.43	21.30	0.00	22.00
		50	24	19.45	19.55	19.54	0.00	19.60	21.42	21.51	21.34	0.00	22.00
		50	50	19.41	19.46	19.50	0.00	19.60	21.19	21.47	21.32	0.00	22.00
		100	0	19.42	19.50	19.47	0.00	19.60	21.36	21.50	21.50	0.00	22.00
	16QAM	1	0	19.23	19.05	19.08	0.00	19.60	21.40	21.67	21.54	0.00	22.00
		1	49	19.14	19.15	19.22	0.00	19.60	21.40	21.66	21.53	0.00	22.00
		1	99	19.15	19.17	19.26	0.00	19.60	21.36	21.62	21.60	0.00	22.00
		50	0	19.24	19.11	19.32	0.00	19.60	20.21	20.23	20.32	0.80	21.20
		50	24	19.28	19.16	19.37	0.00	19.60	20.14	20.31	20.45	0.80	21.20
		50	50	19.26	19.26	19.40	0.00	19.60	20.00	20.29	20.41	0.80	21.20
		100	0	19.27	19.25	19.37	0.00	19.60	20.16	20.32	20.45	0.80	21.20
	64QAM	1	0	19.33	19.10	19.32	0.00	19.60	20.59	20.83	20.43	0.80	21.20
		1	49	19.32	19.10	19.40	0.00	19.60	20.54	20.87	20.63	0.80	21.20
		1	99	19.32	19.09	19.39	0.00	19.60	20.42	20.87	20.64	0.80	21.20
		50	0	19.36	19.09	19.37	0.00	19.60	19.29	19.33	19.34	1.80	20.20
		50	24	19.35	19.10	19.31	0.00	19.60	19.27	19.37	19.49	1.80	20.20
		50	50	19.31	19.10	19.40	0.00	19.60	19.11	19.34	19.46	1.80	20.20
		100	0	19.36	19.09	19.39	0.00	19.60	19.19	19.32	19.46	1.80	20.20
	256QAM	1	0	17.82	17.42	17.75	1.40	18.20	17.54	17.51	17.21	3.80	18.20
		1	49	17.74	17.47	17.93	1.40	18.20	17.38	17.50	17.36	3.80	18.20
		1	99	17.67	17.49	17.96	1.40	18.20	17.21	17.49	17.34	3.80	18.20
		50	0	17.61	17.54	17.68	1.40	18.20	17.37	17.31	17.34	3.80	18.20
		50	24	17.65	17.57	17.74	1.40	18.20	17.28	17.40	17.49	3.80	18.20
		50	50	17.58	17.65	17.81	1.40	18.20	17.13	17.37	17.49	3.80	18.20
		100	0	17.58	17.61	17.70	1.40	18.20	17.23	17.37	17.48	3.80	18.20
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26115.00	26365.00	26615.00	MPR	Tune-up Limit	26115.00	26365.00	26615.00	MPR	Tune-up Limit
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	19.22	19.11	19.23	0.00	19.60	21.35	21.36	21.46	0.00	22.00
		1	37	19.13	19.17	19.32	0.00	19.60	21.23	21.33	21.47	0.00	22.00
		1	74	19.13	19.23	19.37	0.00	19.60	21.13	21.32	21.51	0.00	22.00
		36	0	19.30	19.17	19.35	0.00	19.60	21.25	21.25	21.39	0.00	22.00
		36	20	19.28	19.18	19.38	0.00	19.60	21.14	21.29	21.48	0.00	22.00
		36	39	19.22	19.23	19.35	0.00	19.60	21.07	21.27	21.43	0.00	22.00
		75	0	19.26	19.16	19.32	0.00	19.60	21.08	21.31	21.48	0.00	22.00
	16QAM	1	0	19.28	19.23	19.24	0.00	19.60	21.22	21.27	21.46	0.00	22.00
		1	37	19.22	19.30	19.35	0.00	19.60	21.12	21.18	21.32	0.00	22.00
		1	74	19.19	19.28	19.35	0.00	19.60	20.99	21.14	21.44	0.00	22.00
		36	0	19.36	19.14	19.32	0.00	19.60	20.26	20.25	20.38	0.80	21.20
		36	20	19.37	19.19	19.36	0.00	19.60	20.14	20.34	20.47	0.80	21.20
		36	39	19.28	19.26	19.33	0.00	19.60	20.05	20.29	20.44	0.80	21.20
		75	0	19.30	19.17	19.35	0.00	19.60	20.13	20.31	20.47	0.80	21.20
	64QAM	1	0	19.14	19.38	19.21	0.00	19.60	20.37	20.29	20.32	0.80	21.20
		1	37	19.14	19.37	19.38	0.00	19.60	20.27	20.35	20.46	0.80	21.20
		1	74	19.15	19.38	19.40	0.00	19.60	20.14	20.35	20.54	0.80	21.20
		36	0	19.16	19.37	19.29	0.00	19.60	19.30	19.28	19.40	1.80	20.20
		36	20	19.15	19.37	19.40	0.00	19.60	19.16	19.33	19.47	1.80	20.20
		36	39	19.16	19.37	19.40	0.00	19.60	19.10	19.27	19.44	1.80	20.20
		75	0	19.15	19.37	19.35	0.00	19.60	19.17	19.36	19.49	1.80	20.20
	256QAM	1	0	17.97	17.77	17.43	1.40	18.20	17.57	17.58	17.65	3.80	18.20
		1	37	17.98	17.78	17.55	1.40	18.20	17.47	17.51	17.67	3.80	18.20
		1	74	17.94	17.84	17.58	1.40	18.20	17.30	17.50	17.75	3.80	18.20
		36	0	17.71	17.49	17.68	1.40	18.20	17.29	17.27	17.37	3.80	18.20
		36	20	17.67	17.49	17.82	1.40	18.20	17.18	17.34	17.49	3.80	18.20
		36	39	17.62	17.56	17.78	1.40	18.20	17.09	17.29	17.45	3.80	18.20
		75	0	17.65	17.49	17.78	1.40	18.20	17.16	17.31	17.45	3.80	18.20

LTE Band 25 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26090.00	26365.00	26640.00	MPR	Tune-up Limit	26090.00	26365.00	26640.00	MPR	Tune-up Limit
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	19.25	19.09	19.30	0.00	19.60	21.27	21.19	21.18	0.00	22.00
		1	25	19.20	19.09	19.30	0.00	19.60	21.15	21.18	21.16	0.00	22.00
		1	49	19.25	19.13	19.39	0.00	19.60	21.06	21.22	21.28	0.00	22.00
		25	0	19.32	19.15	19.38	0.00	19.60	21.21	21.16	21.14	0.00	22.00
		25	12	19.30	19.20	19.39	0.00	19.60	21.21	21.29	21.17	0.00	22.00
		25	25	19.32	19.29	19.38	0.00	19.60	21.07	21.27	21.26	0.00	22.00
		50	0	19.32	19.18	19.38	0.00	19.60	21.22	21.27	21.19	0.00	22.00
	16QAM	1	0	19.32	19.20	19.31	0.00	19.60	21.32	21.29	21.20	0.00	22.00
		1	25	19.39	19.16	19.28	0.00	19.60	21.14	21.18	21.13	0.00	22.00
		1	49	19.29	19.27	19.37	0.00	19.60	21.11	21.23	21.29	0.00	22.00
		25	0	19.34	19.23	19.38	0.00	19.60	20.31	20.28	20.26	0.80	21.20
		25	12	19.33	19.25	19.27	0.00	19.60	20.33	20.39	20.28	0.80	21.20
		25	25	19.30	19.37	19.29	0.00	19.60	20.19	20.40	20.39	0.80	21.20
		50	0	19.31	19.23	19.22	0.00	19.60	20.26	20.32	20.24	0.80	21.20
	64QAM	1	0	19.20	19.25	19.24	0.00	19.60	20.43	20.36	20.32	0.80	21.20
		1	25	19.18	19.25	19.32	0.00	19.60	20.28	20.41	20.38	0.80	21.20
		1	49	19.20	19.24	19.40	0.00	19.60	20.25	20.40	20.45	0.80	21.20
		25	0	19.17	19.26	19.28	0.00	19.60	19.36	19.29	19.48	1.80	20.20
		25	12	19.17	19.25	19.37	0.00	19.60	19.35	19.37	19.50	1.80	20.20
		25	25	19.19	19.24	19.40	0.00	19.60	19.26	19.37	19.58	1.80	20.20
		50	0	19.20	19.23	19.30	0.00	19.60	19.30	19.29	19.39	1.80	20.20
	256QAM	1	0	17.99	17.52	17.59	1.40	18.20	17.22	17.28	17.38	3.80	18.20
		1	25	17.97	17.58	17.55	1.40	18.20	17.04	17.28	17.42	3.80	18.20
		1	49	17.96	17.62	17.66	1.40	18.20	17.02	17.34	17.49	3.80	18.20
		25	0	17.71	17.54	17.75	1.40	18.20	17.34	17.26	17.43	3.80	18.20
		25	12	17.71	17.59	17.89	1.40	18.20	17.36	17.38	17.45	3.80	18.20
		25	25	17.72	17.68	17.91	1.40	18.20	17.25	17.37	17.56	3.80	18.20
		50	0	17.70	17.52	17.79	1.40	18.20	17.28	17.32	17.43	3.80	18.20
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26065.00	26365.00	26665.00	MPR	Tune-up Limit	26065.00	26365.00	26665.00	MPR	Tune-up Limit
				1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	19.14	19.09	19.34	0.00	19.60	21.30	21.25	21.25	0.00	22.00
		1	12	19.23	19.18	19.32	0.00	19.60	21.29	21.29	21.32	0.00	22.00
		1	24	19.23	19.21	19.39	0.00	19.60	21.25	21.30	21.40	0.00	22.00
		12	0	19.24	19.06	19.17	0.00	19.60	21.20	21.11	21.11	0.00	22.00
		12	7	19.36	19.16	19.35	0.00	19.60	21.18	21.26	21.18	0.00	22.00
		12	13	19.32	19.28	19.39	0.00	19.60	21.19	21.26	21.28	0.00	22.00
		25	0	19.31	19.08	19.32	0.00	19.60	21.11	21.21	21.14	0.00	22.00
	16QAM	1	0	19.03	18.80	19.07	0.00	19.60	21.33	21.31	21.12	0.00	22.00
		1	12	19.04	18.88	19.09	0.00	19.60	21.36	21.39	21.19	0.00	22.00
		1	24	19.02	18.88	19.16	0.00	19.60	21.30	21.38	21.20	0.00	22.00
		12	0	18.97	18.68	18.95	0.00	19.60	20.27	20.18	20.23	0.80	21.20
		12	7	19.04	18.77	19.05	0.00	19.60	20.21	20.33	20.23	0.80	21.20
		12	13	19.05	18.88	19.13	0.00	19.60	20.25	20.38	20.40	0.80	21.20
		25	0	18.90	18.61	18.97	0.00	19.60	20.11	20.22	20.14	0.80	21.20
	64QAM	1	0	19.20	19.24	19.34	0.00	19.60	20.57	20.36	20.47	0.80	21.20
		1	12	19.19	19.21	19.38	0.00	19.60	20.54	20.46	20.57	0.80	21.20
		1	24	19.22	19.22	19.40	0.00	19.60	20.41	20.50	20.59	0.80	21.20
		12	0	19.22	19.24	19.02	0.00	19.60	19.17	19.21	19.29	1.80	20.20
		12	7	19.22	19.23	19.23	0.00	19.60	19.14	19.34	19.39	1.80	20.20
		12	13	19.24	19.24	19.19	0.00	19.60	19.15	19.35	19.48	1.80	20.20
		25	0	19.22	19.22	19.14	0.00	19.60	19.15	19.25	19.36	1.80	20.20
	256QAM	1	0	17.44	17.42	17.76	1.40	18.20	17.40	17.15	17.52	3.80	18.20
		1	12	17.52	17.60	17.94	1.40	18.20	17.45	17.29	17.67	3.80	18.20
		1	24	17.50	17.57	17.91	1.40	18.20	17.32	17.28	17.67	3.80	18.20
		12	0	17.64	17.40	17.68	1.40	18.20	17.29	17.14	17.41	3.80	18.20
		12	7	17.68	17.50	17.83	1.40	18.20	17.33	17.29	17.51	3.80	18.20
		12	13	17.70	17.60	17.83	1.40	18.20	17.27	17.30	17.61	3.80	18.20
		25	0	17.71	17.48	17.76	1.40	18.20	17.21	17.31	17.40	3.80	18.20

LTE Band 25 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26055.00	26365.00	26675.00			26055.00	26365.00	26675.00		
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	19.22	19.01	19.22	0.00	19.60	21.18	21.15	21.16	0.00	22.00
		1	8	19.22	19.05	19.22	0.00	19.60	21.17	21.17	21.15	0.00	22.00
		1	14	19.36	19.16	19.40	0.00	19.60	21.30	21.34	21.32	0.00	22.00
		8	0	19.29	19.06	19.27	0.00	19.60	21.21	21.13	21.09	0.00	22.00
		8	4	19.33	19.21	19.32	0.00	19.60	21.24	21.24	21.15	0.00	22.00
		8	7	19.34	19.25	19.40	0.00	19.60	21.27	21.27	21.28	0.00	22.00
		15	0	19.33	19.15	19.38	0.00	19.60	21.26	21.27	21.18	0.00	22.00
	16QAM	1	0	19.32	19.21	19.23	0.00	19.60	21.29	21.26	21.27	0.00	22.00
		1	8	19.39	19.20	19.29	0.00	19.60	21.26	21.26	21.29	0.00	22.00
		1	14	19.40	19.30	19.40	0.00	19.60	21.39	21.38	21.40	0.00	22.00
		8	0	19.35	19.08	19.37	0.00	19.60	20.24	20.15	20.16	0.80	21.20
		8	4	19.38	19.22	19.40	0.00	19.60	20.33	20.33	20.24	0.80	21.20
		8	7	19.40	19.26	19.40	0.00	19.60	20.33	20.34	20.37	0.80	21.20
		15	0	19.36	19.11	19.35	0.00	19.60	20.26	20.24	20.17	0.80	21.20
	64QAM	1	0	19.28	19.16	19.37	0.00	19.60	20.48	20.21	20.19	0.80	21.20
		1	8	19.31	19.24	19.39	0.00	19.60	20.53	20.40	20.41	0.80	21.20
		1	14	19.30	19.21	19.39	0.00	19.60	20.50	20.40	20.46	0.80	21.20
		8	0	19.27	19.24	19.29	0.00	19.60	19.19	19.21	19.42	1.80	20.20
		8	4	19.27	19.24	19.25	0.00	19.60	19.25	19.31	19.47	1.80	20.20
		8	7	19.27	19.28	19.26	0.00	19.60	19.27	19.39	19.58	1.80	20.20
		15	0	19.27	19.24	19.21	0.00	19.60	19.33	19.33	19.50	1.80	20.20
	256QAM	1	0	17.72	17.27	17.41	1.40	18.20	17.16	17.05	17.14	3.80	18.20
		1	8	17.73	17.55	17.45	1.40	18.20	17.27	17.08	17.20	3.80	18.20
		1	14	17.80	17.54	17.60	1.40	18.20	17.25	17.12	17.35	3.80	18.20
		8	0	17.75	17.52	17.57	1.40	18.20	17.38	17.09	17.34	3.80	18.20
		8	4	17.77	17.66	17.60	1.40	18.20	17.40	17.26	17.38	3.80	18.20
		8	7	17.78	17.69	17.67	1.40	18.20	17.42	17.30	17.51	3.80	18.20
		15	0	17.70	17.55	17.78	1.40	18.20	17.38	17.40	17.51	3.80	18.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26047.00	26365.00	26683.00			26047.00	26365.00	26683.00		
				1850.7 MHz	1882.5 MHz	1914.3 MHz			1850.7 MHz	1882.5 MHz	1914.3 MHz		
1.4 MHz	QPSK	1	0	19.06	19.11	19.30	0.00	19.60	21.27	21.22	21.15	0.00	22.00
		1	3	19.18	19.24	19.34	0.00	19.60	21.34	21.27	21.23	0.00	22.00
		1	5	19.17	19.13	19.38	0.00	19.60	21.36	21.31	21.28	0.00	22.00
		3	0	19.12	19.01	19.24	0.00	19.60	21.26	21.20	21.18	0.00	22.00
		3	1	19.21	19.08	19.33	0.00	19.60	21.35	21.27	21.23	0.00	22.00
		3	3	19.22	19.09	19.33	0.00	19.60	21.38	21.29	21.28	0.00	22.00
		6	0	19.27	19.15	19.37	0.00	19.60	21.26	21.19	21.21	0.00	22.00
	16QAM	1	0	19.15	19.17	19.35	0.00	19.60	21.36	21.35	20.98	0.00	22.00
		1	3	19.30	19.17	19.32	0.00	19.60	21.54	21.36	21.09	0.00	22.00
		1	5	19.22	19.29	19.24	0.00	19.60	21.40	21.39	21.12	0.00	22.00
		3	0	19.38	19.16	19.23	0.00	19.60	21.34	21.40	21.39	0.00	22.00
		3	1	19.29	19.19	19.31	0.00	19.60	21.49	21.46	21.38	0.00	22.00
		3	3	19.34	19.25	19.29	0.00	19.60	21.47	21.48	21.35	0.00	22.00
		6	0	19.24	19.32	19.02	0.00	19.60	20.16	20.14	20.42	0.80	21.20
	64QAM	1	0	18.98	18.89	19.28	0.00	19.60	20.52	20.24	20.52	0.80	21.20
		1	3	19.01	18.89	19.40	0.00	19.60	20.53	20.29	20.56	0.80	21.20
		1	5	19.01	18.90	19.39	0.00	19.60	20.56	20.30	20.53	0.80	21.20
		3	0	18.99	18.91	19.37	0.00	19.60	20.57	20.33	20.19	0.80	21.20
		3	1	18.98	18.88	19.39	0.00	19.60	20.58	20.39	20.23	0.80	21.20
		3	3	18.96	18.91	19.34	0.00	19.60	20.60	20.38	20.25	0.80	21.20
		6	0	18.99	18.91	19.40	0.00	19.60	19.22	19.53	19.50	1.80	20.20
	256QAM	1	0	17.47	17.50	17.75	1.40	18.20	17.36	17.51	17.36	3.80	18.20
		1	3	17.59	17.66	17.93	1.40	18.20	17.47	17.44	17.48	3.80	18.20
		1	5	17.55	17.57	17.83	1.40	18.20	17.38	17.38	17.44	3.80	18.20
		3	0	17.65	17.35	17.64	1.40	18.20	17.22	17.18	17.50	3.80	18.20
		3	1	17.66	17.42	17.64	1.40	18.20	17.30	17.25	17.54	3.80	18.20
		3	3	17.66	17.43	17.67	1.40	18.20	17.23	17.20	17.55	3.80	18.20
		6	0	17.61	17.35	17.65	1.40	18.20	17.15	17.17	17.50	3.80	18.20

LTE Band 26 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26740.00	26865.00	26990.00	MPR	Tune-up Limit	26740.00	26865.00	26990.00	MPR	Tune-up Limit
				819 MHz	831.5 MHz	844 MHz			819 MHz	831.5 MHz	844 MHz		
10 MHz	QPSK	1	0	25.25	25.09	25.20	0.00	25.70	24.90	24.79	24.76	0.00	25.40
		1	25	25.25	25.30	25.28	0.00	25.70	24.90	24.90	24.86	0.00	25.40
		1	49	25.13	25.11	25.26	0.00	25.70	24.79	24.79	24.74	0.00	25.40
		25	0	24.22	24.16	24.21	1.00	24.70	24.14	24.13	24.18	0.70	24.70
		25	12	24.27	24.34	24.31	1.00	24.70	24.22	24.25	24.25	0.70	24.70
		25	25	24.18	24.12	24.22	1.00	24.70	24.10	24.12	24.21	0.70	24.70
		50	0	24.26	24.30	24.21	1.00	24.70	24.20	24.25	24.17	0.70	24.70
	16QAM	1	0	24.42	24.11	24.18	1.00	24.70	24.08	23.96	24.02	0.70	24.70
		1	25	24.23	24.07	24.24	1.00	24.70	23.94	23.87	24.02	0.70	24.70
		1	49	24.30	24.11	24.23	1.00	24.70	23.92	23.91	24.05	0.70	24.70
		25	0	23.34	23.19	23.30	2.00	23.70	23.23	23.19	23.25	1.70	23.70
		25	12	23.36	23.24	23.38	2.00	23.70	23.27	23.25	23.39	1.70	23.70
		25	25	23.30	23.18	23.26	2.00	23.70	23.18	23.16	23.33	1.70	23.70
		50	0	23.29	23.15	23.25	2.00	23.70	23.21	23.15	23.19	1.70	23.70
	64QAM	1	0	23.10	23.09	23.45	2.00	23.70	23.15	22.88	22.96	1.70	23.70
		1	25	23.14	23.08	23.42	2.00	23.70	23.15	22.92	22.94	1.70	23.70
		1	49	23.13	23.07	23.47	2.00	23.70	23.08	22.88	22.94	1.70	23.70
		25	0	22.11	22.10	22.28	3.00	22.70	22.23	22.10	22.14	2.70	22.70
		25	12	22.11	22.09	22.39	3.00	22.70	22.29	22.08	22.14	2.70	22.70
		25	25	22.11	22.10	22.36	3.00	22.70	22.24	22.09	22.13	2.70	22.70
		50	0	22.13	22.08	22.22	3.00	22.70	22.19	22.09	22.13	2.70	22.70
	256QAM	1	0	20.17	20.12	20.20	5.00	20.70	20.18	20.16	20.01	4.70	20.70
		1	25	20.05	20.31	20.37	5.00	20.70	20.25	20.25	20.06	4.70	20.70
		1	49	20.17	20.26	20.24	5.00	20.70	20.24	20.26	20.05	4.70	20.70
		25	0	20.22	20.20	20.27	5.00	20.70	20.27	20.19	20.32	4.70	20.70
		25	12	20.30	20.29	20.38	5.00	20.70	20.29	20.28	20.39	4.70	20.70
		25	25	20.23	20.24	20.34	5.00	20.70	20.23	20.21	20.28	4.70	20.70
		50	0	20.21	20.25	20.26	5.00	20.70	20.24	20.25	20.19	4.70	20.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26715.00	26865.00	27015.00	MPR	Tune-up Limit	26715.00	26865.00	27015.00	MPR	Tune-up Limit
				816.5 MHz	831.5 MHz	846.5 MHz			816.5 MHz	831.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	25.36	25.22	25.18	0.00	25.70	24.81	24.88	24.99	0.00	25.40
		1	12	25.26	25.17	25.22	0.00	25.70	24.82	24.87	24.97	0.00	25.40
		1	24	25.11	25.11	25.19	0.00	25.70	24.72	24.85	24.88	0.00	25.40
		12	0	24.26	24.11	24.22	1.00	24.70	24.16	24.10	24.19	0.70	24.70
		12	7	24.29	24.21	24.33	1.00	24.70	24.23	24.21	24.30	0.70	24.70
		12	13	24.21	24.09	24.22	1.00	24.70	24.13	24.12	24.20	0.70	24.70
		25	0	24.24	24.13	24.18	1.00	24.70	24.13	24.12	24.14	0.70	24.70
	16QAM	1	0	24.42	24.27	24.42	1.00	24.70	24.20	24.11	24.22	0.70	24.70
		1	12	24.43	24.32	24.43	1.00	24.70	24.14	24.11	24.27	0.70	24.70
		1	24	24.28	24.30	24.36	1.00	24.70	24.02	24.11	24.16	0.70	24.70
		12	0	23.26	23.21	23.39	2.00	23.70	23.29	23.23	23.28	1.70	23.70
		12	7	23.36	23.27	23.49	2.00	23.70	23.36	23.27	23.38	1.70	23.70
		12	13	23.29	23.19	23.39	2.00	23.70	23.32	23.22	23.29	1.70	23.70
		25	0	23.19	23.19	23.24	2.00	23.70	23.23	23.18	23.14	1.70	23.70
	64QAM	1	0	23.26	23.20	23.43	2.00	23.70	23.37	23.22	23.32	1.70	23.70
		1	12	23.25	23.22	23.42	2.00	23.70	23.48	23.27	23.31	1.70	23.70
		1	24	23.28	23.23	23.50	2.00	23.70	23.30	23.24	23.31	1.70	23.70
		12	0	22.29	22.24	22.30	3.00	22.70	22.21	22.24	22.32	2.70	22.70
		12	7	22.27	22.24	22.39	3.00	22.70	22.24	22.24	22.33	2.70	22.70
		12	13	22.29	22.24	22.27	3.00	22.70	22.20	22.24	22.32	2.70	22.70
		25	0	22.28	22.24	22.19	3.00	22.70	22.17	22.24	22.32	2.70	22.70
	256QAM	1	0	20.37	19.98	20.27	5.00	20.70	20.21	19.96	20.41	4.70	20.70
		1	12	20.42	20.04	20.33	5.00	20.70	20.26	20.04	20.48	4.70	20.70
		1	24	20.25	19.98	20.18	5.00	20.70	20.11	19.96	20.29	4.70	20.70
		12	0	20.21	20.14	20.22	5.00	20.70	20.16	20.16	20.27	4.70	20.70
		12	7	20.26	20.20	20.33	5.00	20.70	20.25	20.20	20.35	4.70	20.70
		12	13	20.22	20.13	20.27	5.00	20.70	20.15	20.16	20.31	4.70	20.70
		25	0	20.20	20.22	20.23	5.00	20.70	20.23	20.24	20.18	4.70	20.70

LTE Band 26 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26705.00	26865.00	27025.00			26705.00	26865.00	27025.00		
				815.5 MHz	831.5 MHz	847.5 MHz			815.5 MHz	831.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	25.16	25.09	25.27	0.00	25.70	24.84	24.77	24.91	0.00	25.40
		1	8	25.06	25.04	25.15	0.00	25.70	24.74	24.75	24.79	0.00	25.40
		1	14	25.06	25.10	25.23	0.00	25.70	24.75	24.81	24.86	0.00	25.40
		8	0	24.19	24.08	24.27	1.00	24.70	24.12	24.09	24.27	0.70	24.70
		8	4	24.25	24.19	24.24	1.00	24.70	24.17	24.17	24.26	0.70	24.70
		8	7	24.22	24.20	24.28	1.00	24.70	24.16	24.15	24.26	0.70	24.70
		15	0	24.26	24.17	24.22	1.00	24.70	24.18	24.16	24.24	0.70	24.70
	16QAM	1	0	24.41	24.14	24.36	1.00	24.70	24.28	24.22	24.43	0.70	24.70
		1	8	24.33	24.09	24.22	1.00	24.70	24.27	24.09	24.33	0.70	24.70
		1	14	24.22	24.11	24.24	1.00	24.70	24.13	24.10	24.33	0.70	24.70
		8	0	23.22	23.26	23.35	2.00	23.70	23.20	23.23	23.32	1.70	23.70
		8	4	23.33	23.28	23.33	2.00	23.70	23.31	23.30	23.32	1.70	23.70
		8	7	23.28	23.28	23.33	2.00	23.70	23.30	23.28	23.32	1.70	23.70
		15	0	23.22	23.22	23.32	2.00	23.70	23.26	23.22	23.24	1.70	23.70
	64QAM	1	0	22.95	23.13	23.50	2.00	23.70	23.39	23.15	23.23	1.70	23.70
		1	8	23.00	23.13	23.45	2.00	23.70	23.50	23.15	23.25	1.70	23.70
		1	14	23.00	23.13	23.45	2.00	23.70	23.34	23.16	23.27	1.70	23.70
		8	0	21.98	22.14	22.22	3.00	22.70	22.11	22.16	22.26	2.70	22.70
		8	4	22.01	22.15	22.23	3.00	22.70	22.21	22.16	22.27	2.70	22.70
		8	7	22.01	22.14	22.25	3.00	22.70	22.20	22.15	22.26	2.70	22.70
		15	0	22.01	22.13	22.35	3.00	22.70	22.23	22.14	22.26	2.70	22.70
	256QAM	1	0	20.03	20.08	20.26	5.00	20.70	20.13	20.11	20.04	4.70	20.70
		1	8	19.92	20.10	20.27	5.00	20.70	20.23	20.09	20.03	4.70	20.70
		1	14	19.95	20.01	20.13	5.00	20.70	20.07	20.03	20.03	4.70	20.70
		8	0	20.08	20.27	20.40	5.00	20.70	20.32	20.27	20.25	4.70	20.70
		8	4	20.20	20.31	20.41	5.00	20.70	20.35	20.33	20.26	4.70	20.70
		8	7	20.19	20.25	20.39	5.00	20.70	20.34	20.28	20.24	4.70	20.70
		15	0	20.32	20.24	20.35	5.00	20.70	20.30	20.29	20.37	4.70	20.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26697.00	26865.00	27033.00			26697.00	26865.00	27033.00		
				814.7 MHz	831.5 MHz	848.3 MHz			814.7 MHz	831.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	25.05	25.07	25.15	0.00	25.70	24.78	24.80	24.85	0.00	25.40
		1	3	25.13	25.20	25.18	0.00	25.70	24.85	24.92	24.88	0.00	25.40
		1	5	25.03	25.06	25.10	0.00	25.70	24.78	24.78	24.81	0.00	25.40
		3	0	25.05	25.00	25.10	0.00	25.70	24.74	24.70	24.82	0.00	25.40
		3	1	25.11	25.07	25.19	0.00	25.70	24.82	24.78	24.85	0.00	25.40
		3	3	25.14	25.09	25.16	0.00	25.70	24.83	24.79	24.87	0.00	25.40
		6	0	24.19	24.11	24.18	1.00	24.70	24.22	24.10	24.17	0.70	24.70
	16QAM	1	0	24.20	24.20	24.32	1.00	24.70	24.23	24.22	24.29	0.70	24.70
		1	3	24.30	24.19	24.44	1.00	24.70	24.26	24.19	24.42	0.70	24.70
		1	5	24.25	24.21	24.22	1.00	24.70	24.21	24.23	24.21	0.70	24.70
		3	0	24.41	24.21	24.47	1.00	24.70	24.34	24.21	24.37	0.70	24.70
		3	1	24.44	24.21	24.42	1.00	24.70	24.43	24.22	24.43	0.70	24.70
		3	3	24.42	24.20	24.44	1.00	24.70	24.39	24.21	24.43	0.70	24.70
		6	0	23.38	23.32	23.13	2.00	23.70	23.38	23.33	23.12	1.70	23.70
	64QAM	1	0	22.90	23.24	23.28	2.00	23.70	23.27	22.89	23.44	1.70	23.70
		1	3	22.83	23.22	23.34	2.00	23.70	23.43	22.87	23.45	1.70	23.70
		1	5	22.84	23.21	23.26	2.00	23.70	23.29	22.82	23.44	1.70	23.70
		3	0	22.90	23.23	23.20	2.00	23.70	23.12	22.83	23.42	1.70	23.70
		3	1	22.84	23.22	23.26	2.00	23.70	23.16	22.84	23.48	1.70	23.70
		3	3	22.85	23.22	23.23	2.00	23.70	23.16	22.85	23.45	1.70	23.70
		6	0	21.90	22.12	22.36	3.00	22.70	22.18	22.06	22.45	2.70	22.70
	256QAM	1	0	20.25	20.17	20.20	5.00	20.70	20.03	20.05	20.08	5.00	20.40
		1	3	20.48	20.35	20.28	5.00	20.70	20.19	20.20	20.19	5.00	20.40
		1	5	20.28	20.18	20.16	5.00	20.70	20.06	20.10	19.95	5.00	20.40
		3	0	20.15	20.12	20.37	5.00	20.70	20.05	20.15	19.93	5.00	20.40
		3	1	20.19	20.16	20.37	5.00	20.70	19.99	20.20	19.92	5.00	20.40
		3	3	20.19	20.11	20.35	5.00	20.70	20.20	20.15	20.18	5.00	20.40
		6	0	20.11	20.07	20.28	5.00	20.70	20.17	20.13	20.05	5.00	20.40

LTE Band 26 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26740.00	26865.00	26990.00	MPR	Tune-up Limit	26740.00	26865.00	26990.00	MPR	Tune-up Limit
				819 MHz	831.5 MHz	844 MHz			819 MHz	831.5 MHz	844 MHz		
10 MHz	QPSK	1	0	24.19	24.23	24.20	0.00	24.70	24.19	24.23	24.20	0.00	24.70
		1	25	24.20	24.25	24.21	0.00	24.70	24.20	24.25	24.21	0.00	24.70
		1	49	24.17	24.14	24.20	0.00	24.70	24.17	24.14	24.20	0.00	24.70
		25	0	23.28	23.24	23.24	1.00	23.70	23.28	23.24	23.24	1.00	23.70
		25	12	23.33	23.33	23.30	1.00	23.70	23.33	23.33	23.30	1.00	23.70
		25	25	23.26	23.24	23.20	1.00	23.70	23.26	23.24	23.20	1.00	23.70
		50	0	23.32	23.33	23.18	1.00	23.70	23.32	23.33	23.18	1.00	23.70
	16QAM	1	0	23.42	23.23	23.46	1.00	23.70	23.42	23.23	23.46	1.00	23.70
		1	25	23.28	23.18	23.40	1.00	23.70	23.28	23.18	23.40	1.00	23.70
		1	49	23.33	23.16	23.36	1.00	23.70	23.33	23.16	23.36	1.00	23.70
		25	0	22.36	22.27	22.33	2.00	22.70	22.36	22.27	22.33	2.00	22.70
		25	12	22.46	22.31	22.34	2.00	22.70	22.46	22.31	22.34	2.00	22.70
		25	25	22.33	22.24	22.24	2.00	22.70	22.33	22.24	22.24	2.00	22.70
		50	0	22.34	22.26	22.23	2.00	22.70	22.34	22.26	22.23	2.00	22.70
	64QAM	1	0	22.13	22.23	22.46	2.00	22.70	22.13	22.23	22.46	2.00	22.70
		1	25	22.12	22.24	22.44	2.00	22.70	22.12	22.24	22.44	2.00	22.70
		1	49	22.13	22.22	22.37	2.00	22.70	22.13	22.22	22.37	2.00	22.70
		25	0	21.33	21.42	21.36	3.00	21.70	21.33	21.42	21.36	3.00	21.70
		25	12	21.33	21.40	21.40	3.00	21.70	21.33	21.40	21.40	3.00	21.70
		25	25	21.33	21.40	21.36	3.00	21.70	21.33	21.40	21.36	3.00	21.70
		50	0	21.35	21.39	21.24	3.00	21.70	21.35	21.39	21.24	3.00	21.70
	256QAM	1	0	18.96	19.37	19.27	5.00	19.70	18.96	19.37	19.27	5.00	19.70
		1	25	19.08	19.48	19.35	5.00	19.70	19.08	19.48	19.35	5.00	19.70
		1	49	18.97	19.46	19.23	5.00	19.70	18.97	19.46	19.23	5.00	19.70
		25	0	19.31	19.33	19.31	5.00	19.70	19.31	19.33	19.31	5.00	19.70
		25	12	19.42	19.42	19.44	5.00	19.70	19.42	19.42	19.44	5.00	19.70
		25	25	19.32	19.36	19.32	5.00	19.70	19.32	19.36	19.32	5.00	19.70
		50	0	19.31	19.41	19.24	5.00	19.70	19.31	19.41	19.24	5.00	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26715.00	26865.00	27015.00	MPR	Tune-up Limit	26715.00	26865.00	27015.00	MPR	Tune-up Limit
				816.5 MHz	831.5 MHz	846.5 MHz			816.5 MHz	831.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	24.38	24.32	24.17	0.00	24.70	24.38	24.32	24.17	0.00	24.70
		1	12	24.30	24.29	24.18	0.00	24.70	24.30	24.29	24.18	0.00	24.70
		1	24	24.20	24.25	24.13	0.00	24.70	24.20	24.25	24.13	0.00	24.70
		12	0	23.28	23.24	23.17	1.00	23.70	23.28	23.24	23.17	1.00	23.70
		12	7	23.35	23.28	23.30	1.00	23.70	23.35	23.28	23.30	1.00	23.70
		12	13	23.26	23.22	23.22	1.00	23.70	23.26	23.22	23.22	1.00	23.70
		25	0	23.27	23.24	23.14	1.00	23.70	23.27	23.24	23.14	1.00	23.70
	16QAM	1	0	23.45	23.42	23.37	1.00	23.70	23.45	23.42	23.37	1.00	23.70
		1	12	23.44	23.42	23.33	1.00	23.70	23.44	23.42	23.33	1.00	23.70
		1	24	23.33	23.39	23.33	1.00	23.70	23.33	23.39	23.33	1.00	23.70
		12	0	22.32	22.33	22.39	2.00	22.70	22.32	22.33	22.39	2.00	22.70
		12	7	22.39	22.41	22.41	2.00	22.70	22.39	22.41	22.41	2.00	22.70
		12	13	22.36	22.32	22.39	2.00	22.70	22.36	22.32	22.39	2.00	22.70
		25	0	22.28	22.31	22.26	2.00	22.70	22.28	22.31	22.26	2.00	22.70
	64QAM	1	0	22.29	22.34	22.45	2.00	22.70	22.29	22.34	22.45	2.00	22.70
		1	12	22.29	22.36	22.50	2.00	22.70	22.29	22.36	22.50	2.00	22.70
		1	24	22.30	22.36	22.47	2.00	22.70	22.30	22.36	22.47	2.00	22.70
		12	0	21.28	21.36	21.29	3.00	21.70	21.28	21.36	21.29	3.00	21.70
		12	7	21.27	21.34	21.37	3.00	21.70	21.27	21.34	21.37	3.00	21.70
		12	13	21.30	21.35	21.33	3.00	21.70	21.30	21.35	21.33	3.00	21.70
		25	0	21.29	21.33	21.19	3.00	21.70	21.29	21.33	21.19	3.00	21.70
	256QAM	1	0	19.39	19.12	19.30	5.00	19.70	19.39	19.12	19.30	5.00	19.70
		1	12	19.49	19.13	19.34	5.00	19.70	19.49	19.13	19.34	5.00	19.70
		1	24	19.36	19.08	19.20	5.00	19.70	19.36	19.08	19.20	5.00	19.70
		12	0	19.25	19.27	19.26	5.00	19.70	19.25	19.27	19.26	5.00	19.70
		12	7	19.38	19.37	19.35	5.00	19.70	19.38	19.37	19.35	5.00	19.70
		12	13	19.29	19.30	19.28	5.00	19.70	19.29	19.30	19.28	5.00	19.70
		25	0	19.27	19.35	19.26	5.00	19.70	19.27	19.35	19.26	5.00	19.70

LTE Band 26 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26705.00	26865.00	27025.00			26705.00	26865.00	27025.00		
				815.5 MHz	831.5 MHz	847.5 MHz			815.5 MHz	831.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	24.19	24.15	24.24	0.00	24.70	24.19	24.15	24.24	0.00	24.70
		1	8	24.06	24.13	24.10	0.00	24.70	24.06	24.13	24.10	0.00	24.70
		1	14	24.08	24.21	24.19	0.00	24.70	24.08	24.21	24.19	0.00	24.70
		8	0	23.22	23.23	23.25	1.00	23.70	23.22	23.23	23.25	1.00	23.70
		8	4	23.28	23.28	23.18	1.00	23.70	23.28	23.28	23.18	1.00	23.70
		8	7	23.31	23.27	23.25	1.00	23.70	23.31	23.27	23.25	1.00	23.70
		15	0	23.28	23.29	23.22	1.00	23.70	23.28	23.29	23.22	1.00	23.70
	16QAM	1	0	23.42	23.22	23.33	1.00	23.70	23.42	23.22	23.33	1.00	23.70
		1	8	23.34	23.16	23.27	1.00	23.70	23.34	23.16	23.27	1.00	23.70
		1	14	23.27	23.19	23.27	1.00	23.70	23.27	23.19	23.27	1.00	23.70
		8	0	22.22	22.35	22.33	2.00	22.70	22.22	22.35	22.33	2.00	22.70
		8	4	22.36	22.37	22.28	2.00	22.70	22.36	22.37	22.28	2.00	22.70
		8	7	22.35	22.38	22.31	2.00	22.70	22.35	22.38	22.31	2.00	22.70
		15	0	22.28	22.31	22.33	2.00	22.70	22.28	22.31	22.33	2.00	22.70
	64QAM	1	0	22.04	22.27	22.50	2.00	22.70	22.04	22.27	22.50	2.00	22.70
		1	8	22.03	22.23	22.45	2.00	22.70	22.03	22.23	22.45	2.00	22.70
		1	14	22.01	22.24	22.41	2.00	22.70	22.01	22.24	22.41	2.00	22.70
		8	0	21.12	21.35	21.23	3.00	21.70	21.12	21.35	21.23	3.00	21.70
		8	4	21.13	21.36	21.20	3.00	21.70	21.13	21.36	21.20	3.00	21.70
		8	7	21.12	21.36	21.23	3.00	21.70	21.12	21.36	21.23	3.00	21.70
		15	0	21.13	21.34	21.26	3.00	21.70	21.13	21.34	21.26	3.00	21.70
	256QAM	1	0	19.05	19.37	19.23	5.00	19.70	19.05	19.37	19.23	5.00	19.70
		1	8	19.02	19.40	19.29	5.00	19.70	19.02	19.40	19.29	5.00	19.70
		1	14	19.03	19.36	19.11	5.00	19.70	19.03	19.36	19.11	5.00	19.70
		8	0	19.15	19.29	19.39	5.00	19.70	19.15	19.29	19.39	5.00	19.70
		8	4	19.29	19.47	19.34	5.00	19.70	19.29	19.47	19.34	5.00	19.70
		8	7	19.19	19.42	19.36	5.00	19.70	19.19	19.42	19.36	5.00	19.70
		15	0	19.39	19.37	19.33	5.00	19.70	19.39	19.37	19.33	5.00	19.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26697.00	26865.00	27033.00			26697.00	26865.00	27033.00		
				814.7 MHz	831.5 MHz	848.3 MHz			814.7 MHz	831.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	24.14	24.19	24.13	0.00	24.70	24.14	24.19	24.13	0.00	24.70
		1	3	24.15	24.27	24.13	0.00	24.70	24.15	24.27	24.13	0.00	24.70
		1	5	24.12	24.18	24.09	0.00	24.70	24.12	24.18	24.09	0.00	24.70
		3	0	24.10	24.12	24.10	0.00	24.70	24.10	24.12	24.10	0.00	24.70
		3	1	24.16	24.19	24.13	0.00	24.70	24.16	24.19	24.13	0.00	24.70
		3	3	24.16	24.18	24.15	0.00	24.70	24.16	24.18	24.15	0.00	24.70
		6	0	23.22	23.23	23.16	1.00	23.70	23.22	23.23	23.16	1.00	23.70
	16QAM	1	0	23.27	23.32	23.16	1.00	23.70	23.27	23.32	23.16	1.00	23.70
		1	3	23.40	23.31	23.33	1.00	23.70	23.40	23.31	23.33	1.00	23.70
		1	5	23.25	23.32	23.12	1.00	23.70	23.25	23.32	23.12	1.00	23.70
		3	0	23.37	23.27	23.45	1.00	23.70	23.37	23.27	23.45	1.00	23.70
		3	1	23.50	23.33	23.45	1.00	23.70	23.50	23.33	23.45	1.00	23.70
		3	3	23.47	23.34	23.39	1.00	23.70	23.47	23.34	23.39	1.00	23.70
		6	0	22.44	22.40	22.10	2.00	22.70	22.44	22.40	22.10	2.00	22.70
	64QAM	1	0	22.20	22.01	22.28	2.00	22.70	22.20	22.01	22.28	2.00	22.70
		1	3	22.19	22.00	22.38	2.00	22.70	22.19	22.00	22.38	2.00	22.70
		1	5	22.19	21.95	22.26	2.00	22.70	22.19	21.95	22.26	2.00	22.70
		3	0	22.21	21.98	22.08	2.00	22.70	22.21	21.98	22.08	2.00	22.70
		3	1	22.18	21.96	22.06	2.00	22.70	22.18	21.96	22.06	2.00	22.70
		3	3	22.17	21.93	22.09	2.00	22.70	22.17	21.93	22.09	2.00	22.70
		6	0	21.27	20.97	21.20	3.00	21.70	21.27	20.97	21.20	3.00	21.70
	256QAM	1	0	19.37	19.15	19.37	5.00	19.70	19.37	19.15	19.37	5.00	19.70
		1	3	19.49	19.31	19.50	5.00	19.70	19.49	19.31	19.50	5.00	19.70
		1	5	19.30	19.20	19.30	5.00	19.70	19.30	19.20	19.30	5.00	19.70
		3	0	19.17	19.32	19.21	5.00	19.70	19.17	19.32	19.21	5.00	19.70
		3	1	19.26	19.42	19.27	5.00	19.70	19.26	19.42	19.27	5.00	19.70
		3	3	19.22	19.41	19.20	5.00	19.70	19.22	19.41	19.20	5.00	19.70
		6	0	19.16	19.32	19.17	5.00	19.70	19.16	19.32	19.17	5.00	19.70

LTE Band 30 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm) 27710 / 2310 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 27710 / 2310 MHz	MPR	Tune-up Limit
10 MHz	QPSK	1	0	24.99	0.00	25.70	20.59	0.00	21.10
		1	25	25.10	0.00	25.70	20.60	0.00	21.10
		1	49	25.07	0.00	25.70	20.59	0.00	21.10
		25	0	24.01	1.00	24.70	20.62	0.00	21.10
		25	12	24.15	1.00	24.70	20.74	0.00	21.10
		25	25	24.12	1.00	24.70	20.72	0.00	21.10
		50	0	24.09	1.00	24.70	20.74	0.00	21.10
	16QAM	1	0	24.02	1.00	24.70	20.57	0.00	21.10
		1	25	23.90	1.00	24.70	20.46	0.00	21.10
		1	49	24.00	1.00	24.70	20.54	0.00	21.10
		25	0	23.07	2.00	23.70	20.54	0.00	21.10
		25	12	23.15	2.00	23.70	20.66	0.00	21.10
		25	25	23.19	2.00	23.70	20.65	0.00	21.10
		50	0	23.17	2.00	23.70	20.59	0.00	21.10
	64QAM	1	0	22.85	2.00	23.70	20.57	0.00	21.10
		1	25	22.82	2.00	23.70	20.56	0.00	21.10
		1	49	22.90	2.00	23.70	20.62	0.00	21.10
		25	0	22.09	3.00	22.70	20.52	0.00	21.10
		25	12	22.17	3.00	22.70	20.63	0.00	21.10
		25	25	22.17	3.00	22.70	20.65	0.00	21.10
		50	0	22.12	3.00	22.70	20.57	0.00	21.10
	256QAM	1	0	20.53	5.00	20.70	20.35	0.40	20.70
		1	25	20.53	5.00	20.70	20.34	0.40	20.70
		1	49	20.61	5.00	20.70	20.45	0.40	20.70
		25	0	20.06	5.00	20.70	19.88	0.40	20.70
		25	12	20.14	5.00	20.70	20.01	0.40	20.70
		25	25	20.17	5.00	20.70	20.01	0.40	20.70
		50	0	20.14	5.00	20.70	20.02	0.40	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm) 27710.00 / 2310 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 27710.00 / 2310 MHz	MPR	Tune-up Limit
5 MHz	QPSK	1	0	25.07	0.00	25.70	20.42	0.00	21.10
		1	12	25.06	0.00	25.70	20.47	0.00	21.10
		1	24	25.10	0.00	25.70	20.46	0.00	21.10
		12	0	24.01	1.00	24.70	20.46	0.00	21.10
		12	7	24.10	1.00	24.70	20.53	0.00	21.10
		12	13	24.07	1.00	24.70	20.49	0.00	21.10
		25	0	24.06	1.00	24.70	20.48	0.00	21.10
	16QAM	1	0	24.17	1.00	24.70	20.30	0.00	21.10
		1	12	24.22	1.00	24.70	20.45	0.00	21.10
		1	24	24.25	1.00	24.70	20.41	0.00	21.10
		12	0	23.12	2.00	23.70	20.35	0.00	21.10
		12	7	23.13	2.00	23.70	20.39	0.00	21.10
		12	13	23.17	2.00	23.70	20.40	0.00	21.10
		25	0	23.10	2.00	23.70	20.27	0.00	21.10
	64QAM	1	0	22.94	2.00	23.70	20.35	0.00	21.10
		1	12	23.02	2.00	23.70	20.40	0.00	21.10
		1	24	23.05	2.00	23.70	20.45	0.00	21.10
		12	0	22.10	3.00	22.70	20.54	0.00	21.10
		12	7	22.16	3.00	22.70	20.57	0.00	21.10
		12	13	22.12	3.00	22.70	20.56	0.00	21.10
		25	0	22.08	3.00	22.70	20.50	0.00	21.10
	256QAM	1	0	19.83	5.00	20.70	19.70	0.40	20.70
		1	12	19.90	5.00	20.70	19.74	0.40	20.70
		1	24	19.92	5.00	20.70	19.78	0.40	20.70
		12	0	20.05	5.00	20.70	19.89	0.40	20.70
		12	7	20.11	5.00	20.70	19.94	0.40	20.70
		12	13	20.07	5.00	20.70	19.92	0.40	20.70
		25	0	20.15	5.00	20.70	20.00	0.40	20.70

LTE Band 30 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				27710 / 2310 MHz	MPR	Tune-up Limit	27710 / 2310 MHz	MPR	Tune-up Limit
10 MHz	QPSK	1	0	19.17	0.00	19.60	19.88	0.00	20.50
		1	25	19.20	0.00	19.60	19.93	0.00	20.50
		1	49	19.15	0.00	19.60	19.90	0.00	20.50
		25	0	19.20	0.00	19.60	19.90	0.00	20.50
		25	12	19.30	0.00	19.60	20.02	0.00	20.50
		25	25	19.30	0.00	19.60	20.02	0.00	20.50
		50	0	19.35	0.00	19.60	20.00	0.00	20.50
	16QAM	1	0	19.23	0.00	19.60	19.89	0.00	20.50
		1	25	19.26	0.00	19.60	19.90	0.00	20.50
		1	49	19.26	0.00	19.60	19.90	0.00	20.50
		25	0	19.30	0.00	19.60	19.97	0.00	20.50
		25	12	19.30	0.00	19.60	19.98	0.00	20.50
		25	25	19.22	0.00	19.60	19.88	0.00	20.50
		50	0	19.27	0.00	19.60	19.97	0.00	20.50
	64QAM	1	0	19.30	0.00	19.60	19.82	0.00	20.50
		1	25	19.27	0.00	19.60	19.90	0.00	20.50
		1	49	19.30	0.00	19.60	19.84	0.00	20.50
		25	0	19.09	0.00	19.60	19.20	0.80	19.70
		25	12	19.13	0.00	19.60	19.34	0.80	19.70
		25	25	19.23	0.00	19.60	19.36	0.80	19.70
		50	0	19.05	0.00	19.60	19.19	0.80	19.70
	256QAM	1	0	16.84	1.90	17.70	17.33	2.80	17.70
		1	25	16.88	1.90	17.70	17.48	2.80	17.70
		1	49	16.93	1.90	17.70	17.42	2.80	17.70
		25	0	17.04	1.90	17.70	17.19	2.80	17.70
		25	12	17.11	1.90	17.70	17.35	2.80	17.70
		25	25	17.20	1.90	17.70	17.35	2.80	17.70
		50	0	17.02	1.90	17.70	17.24	2.80	17.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				27710.00 / 2310 MHz	MPR	Tune-up Limit	27710.00 / 2310 MHz	MPR	Tune-up Limit
5 MHz	QPSK	1	0	19.09	0.00	19.60	19.93	0.00	20.50
		1	12	19.21	0.00	19.60	20.00	0.00	20.50
		1	24	19.20	0.00	19.60	20.02	0.00	20.50
		12	0	19.13	0.00	19.60	19.88	0.00	20.50
		12	7	19.27	0.00	19.60	20.07	0.00	20.50
		12	13	19.26	0.00	19.60	20.02	0.00	20.50
		25	0	19.15	0.00	19.60	20.01	0.00	20.50
	16QAM	1	0	19.20	0.00	19.60	20.09	0.00	20.50
		1	12	19.24	0.00	19.60	20.16	0.00	20.50
		1	24	19.22	0.00	19.60	20.17	0.00	20.50
		12	0	19.19	0.00	19.60	20.03	0.00	20.50
		12	7	19.30	0.00	19.60	20.09	0.00	20.50
		12	13	19.13	0.00	19.60	20.12	0.00	20.50
		25	0	19.09	0.00	19.60	20.05	0.00	20.50
	64QAM	1	0	19.06	0.00	19.60	19.82	0.00	20.50
		1	12	19.18	0.00	19.60	19.96	0.00	20.50
		1	24	19.19	0.00	19.60	19.98	0.00	20.50
		12	0	19.00	0.00	19.60	19.14	0.80	19.70
		12	7	19.15	0.00	19.60	19.32	0.80	19.70
		12	13	19.11	0.00	19.60	19.28	0.80	19.70
		25	0	18.95	0.00	19.60	19.24	0.80	19.70
	256QAM	1	0	16.74	1.90	17.70	16.94	2.80	17.70
		1	12	16.90	1.90	17.70	17.09	2.80	17.70
		1	24	16.93	1.90	17.70	17.11	2.80	17.70
		12	0	16.94	1.90	17.70	17.11	2.80	17.70
		12	7	17.11	1.90	17.70	17.26	2.80	17.70
		12	13	17.11	1.90	17.70	17.27	2.80	17.70
		25	0	17.03	1.90	17.70	17.30	2.80	17.70

LTE Band 30 Measured Results (ANT3)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				27710	MPR	Tune-up Limit	27710	MPR	Tune-up Limit
				2310 MHz			2310 MHz		
10 MHz	QPSK	1	0	21.66	0.00	22.30	19.35	0.00	19.70
		1	25	21.69	0.00	22.30	19.40	0.00	19.70
		1	49	21.66	0.00	22.30	19.31	0.00	19.70
		25	0	21.75	0.00	22.30	19.48	0.00	19.70
		25	12	21.82	0.00	22.30	19.50	0.00	19.70
		25	25	21.82	0.00	22.30	19.50	0.00	19.70
		50	0	21.80	0.00	22.30	19.50	0.00	19.70
	16QAM	1	0	21.72	0.00	22.30	19.45	0.00	19.70
		1	25	21.71	0.00	22.30	19.36	0.00	19.70
		1	49	21.75	0.00	22.30	19.43	0.00	19.70
		25	0	21.88	0.00	22.30	19.29	0.00	19.70
		25	12	21.80	0.00	22.30	19.35	0.00	19.70
		25	25	21.79	0.00	22.30	19.32	0.00	19.70
		50	0	21.80	0.00	22.30	19.23	0.00	19.70
	64QAM	1	0	21.79	0.00	22.30	19.46	0.00	19.70
		1	25	21.77	0.00	22.30	19.41	0.00	19.70
		1	49	21.80	0.00	22.30	19.50	0.00	19.70
		25	0	21.78	0.10	22.20	19.31	0.00	19.70
		25	12	21.81	0.10	22.20	19.36	0.00	19.70
		25	25	21.83	0.10	22.20	19.34	0.00	19.70
		50	0	21.75	0.10	22.20	19.29	0.00	19.70
	256QAM	1	0	20.14	2.10	20.20	19.38	0.00	19.70
		1	25	20.12	2.10	20.20	19.42	0.00	19.70
		1	49	20.11	2.10	20.20	19.45	0.00	19.70
		25	0	19.76	2.10	20.20	19.31	0.00	19.70
		25	12	19.81	2.10	20.20	19.34	0.00	19.70
		25	25	19.81	2.10	20.20	19.35	0.00	19.70
		50	0	19.80	2.10	20.20	19.34	0.00	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				27710.00	MPR	Tune-up Limit	27710.00	MPR	Tune-up Limit
				2310 MHz			2310 MHz		
5 MHz	QPSK	1	0	21.49	0.00	22.30	19.49	0.00	19.70
		1	12	21.50	0.00	22.30	19.42	0.00	19.70
		1	24	21.50	0.00	22.30	19.43	0.00	19.70
		12	0	21.48	0.00	22.30	19.49	0.00	19.70
		12	7	21.55	0.00	22.30	19.50	0.00	19.70
		12	13	21.56	0.00	22.30	19.43	0.00	19.70
		25	0	21.51	0.00	22.30	19.50	0.00	19.70
	16QAM	1	0	21.54	0.00	22.30	19.43	0.00	19.70
		1	12	21.66	0.00	22.30	19.44	0.00	19.70
		1	24	21.63	0.00	22.30	19.43	0.00	19.70
		12	0	21.55	0.00	22.30	19.39	0.00	19.70
		12	7	21.64	0.00	22.30	19.41	0.00	19.70
		12	13	21.62	0.00	22.30	19.38	0.00	19.70
		25	0	21.49	0.00	22.30	19.33	0.00	19.70
	64QAM	1	0	21.42	0.00	22.30	19.34	0.00	19.70
		1	12	21.46	0.00	22.30	19.39	0.00	19.70
		1	24	21.50	0.00	22.30	19.40	0.00	19.70
		12	0	21.44	0.10	22.20	19.46	0.00	19.70
		12	7	21.49	0.10	22.20	19.50	0.00	19.70
		12	13	21.48	0.10	22.20	19.50	0.00	19.70
		25	0	21.42	0.10	22.20	19.43	0.00	19.70
	256QAM	1	0	19.21	2.10	20.20	19.27	0.00	19.70
		1	12	19.27	2.10	20.20	19.35	0.00	19.70
		1	24	19.30	2.10	20.20	19.28	0.00	19.70
		12	0	19.37	2.10	20.20	19.43	0.00	19.70
		12	7	19.46	2.10	20.20	19.49	0.00	19.70
		12	13	19.47	2.10	20.20	19.46	0.00	19.70
		25	0	19.48	2.10	20.20	19.50	0.00	19.70

LTE Band 30 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm) 27710 / 2310 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 27710 / 2310 MHz	MPR	Tune-up Limit
10 MHz	QPSK	1	0	18.25	0.00	18.80	19.98	0.00	20.60
		1	25	18.44	0.00	18.80	20.10	0.00	20.60
		1	49	18.15	0.00	18.80	19.83	0.00	20.60
		25	0	18.28	0.00	18.80	20.03	0.00	20.60
		25	12	18.40	0.00	18.80	20.10	0.00	20.60
		25	25	18.36	0.00	18.80	20.06	0.00	20.60
		50	0	18.50	0.00	18.80	20.00	0.00	20.60
	16QAM	1	0	18.42	0.00	18.80	19.97	0.00	20.60
		1	25	18.39	0.00	18.80	20.04	0.00	20.60
		1	49	18.28	0.00	18.80	19.94	0.00	20.60
		25	0	18.42	0.00	18.80	19.85	0.00	20.60
		25	12	18.51	0.00	18.80	19.88	0.00	20.60
		25	25	18.48	0.00	18.80	19.89	0.00	20.60
		50	0	18.43	0.00	18.80	19.79	0.00	20.60
	64QAM	1	0	18.50	0.00	18.80	19.91	0.00	20.60
		1	25	18.59	0.00	18.80	20.00	0.00	20.60
		1	49	18.38	0.00	18.80	19.80	0.00	20.60
		25	0	18.40	0.00	18.80	18.84	0.90	19.70
		25	12	18.48	0.00	18.80	18.87	0.90	19.70
		25	25	18.46	0.00	18.80	18.90	0.90	19.70
		50	0	18.38	0.00	18.80	18.78	0.90	19.70
	256QAM	1	0	16.77	1.10	17.70	16.82	2.90	17.70
		1	25	16.87	1.10	17.70	16.89	2.90	17.70
		1	49	16.79	1.10	17.70	16.74	2.90	17.70
		25	0	16.85	1.10	17.70	16.86	2.90	17.70
		25	12	16.89	1.10	17.70	16.92	2.90	17.70
		25	25	16.88	1.10	17.70	16.87	2.90	17.70
		50	0	16.84	1.10	17.70	16.83	2.90	17.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm) 27710.00 / 2310 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 27710.00 / 2310 MHz	MPR	Tune-up Limit
5 MHz	QPSK	1	0	18.38	0.00	18.80	20.00	0.00	20.60
		1	12	18.48	0.00	18.80	20.11	0.00	20.60
		1	24	18.44	0.00	18.80	20.07	0.00	20.60
		12	0	18.44	0.00	18.80	20.10	0.00	20.60
		12	7	18.53	0.00	18.80	20.00	0.00	20.60
		12	13	18.43	0.00	18.80	20.07	0.00	20.60
		25	0	18.40	0.00	18.80	20.02	0.00	20.60
	16QAM	1	0	18.56	0.00	18.80	20.05	0.00	20.60
		1	12	18.56	0.00	18.80	20.00	0.00	20.60
		1	24	18.54	0.00	18.80	20.03	0.00	20.60
		12	0	18.57	0.00	18.80	19.86	0.00	20.60
		12	7	18.59	0.00	18.80	19.94	0.00	20.60
		12	13	18.52	0.00	18.80	19.84	0.00	20.60
		25	0	18.43	0.00	18.80	19.71	0.00	20.60
	64QAM	1	0	18.52	0.00	18.80	19.89	0.00	20.60
		1	12	18.54	0.00	18.80	20.04	0.00	20.60
		1	24	18.54	0.00	18.80	19.97	0.00	20.60
		12	0	18.45	0.00	18.80	18.89	0.90	19.70
		12	7	18.50	0.00	18.80	18.90	0.90	19.70
		12	13	18.41	0.00	18.80	18.82	0.90	19.70
		25	0	18.32	0.00	18.80	18.74	0.90	19.70
	256QAM	1	0	16.70	1.10	17.70	16.71	2.90	17.70
		1	12	16.86	1.10	17.70	16.90	2.90	17.70
		1	24	16.74	1.10	17.70	16.75	2.90	17.70
		12	0	16.81	1.10	17.70	16.81	2.90	17.70
		12	7	16.86	1.10	17.70	16.90	2.90	17.70
		12	13	16.77	1.10	17.70	16.79	2.90	17.70
		25	0	16.79	1.10	17.70	16.80	2.90	17.70

LTE Band 41 Power Class 3 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
20 MHz	QPSK	1	0	25.26	25.23	25.37	25.05	25.14	0.00	25.70	20.65	20.62	20.78	20.66	20.49	0.00	21.70
		1	49	25.39	25.25	25.42	25.10	25.25	0.00	25.70	20.71	20.68	20.80	20.75	20.60	0.00	21.70
		1	99	25.36	25.21	25.32	24.97	25.24	0.00	25.70	20.70	20.53	20.70	20.71	20.58	0.00	21.70
		50	0	24.23	24.26	24.37	24.09	24.20	1.00	24.70	20.80	20.66	20.71	20.71	20.60	0.00	21.70
		50	24	24.25	24.29	24.43	24.09	24.22	1.00	24.70	20.89	20.70	20.80	20.80	20.61	0.00	21.70
		50	50	24.23	24.29	24.33	24.07	24.17	1.00	24.70	20.89	20.69	20.72	20.77	20.53	0.00	21.70
		100	0	24.35	24.31	24.41	24.07	24.23	1.00	24.70	20.90	20.71	20.90	20.45	20.60	0.00	21.70
	16QAM	1	0	24.28	24.07	24.53	24.03	23.85	1.00	24.70	20.69	20.72	20.50	20.48	20.67	0.00	21.70
		1	49	24.33	24.03	24.44	23.93	23.92	1.00	24.70	20.75	20.69	20.54	20.38	20.65	0.00	21.70
		1	99	24.41	24.20	24.45	23.97	23.99	1.00	24.70	20.78	20.72	20.55	20.38	20.75	0.00	21.70
		50	0	23.41	23.26	23.39	23.05	23.22	2.00	23.70	20.76	20.69	20.76	20.48	20.64	0.00	21.70
		50	24	23.54	23.31	23.48	23.07	23.23	2.00	23.70	20.58	20.47	20.54	20.49	20.67	0.00	21.70
		50	50	23.52	23.29	23.39	23.06	23.19	2.00	23.70	20.59	20.45	20.45	20.47	20.64	0.00	21.70
		100	0	23.49	23.32	23.33	23.06	23.23	2.00	23.70	20.58	20.44	20.46	20.50	20.64	0.00	21.70
	64QAM	1	0	23.45	23.29	23.28	23.27	23.13	2.00	23.70	20.33	20.73	20.60	20.55	20.75	0.00	21.70
		1	49	23.46	23.28	23.28	23.29	23.29	2.00	23.70	20.49	20.75	20.62	20.54	20.75	0.00	21.70
		1	99	23.48	23.30	23.25	23.28	23.39	2.00	23.70	20.43	20.72	20.62	20.53	20.75	0.00	21.70
		50	0	22.48	22.28	22.26	22.29	22.26	3.00	22.70	20.54	20.73	20.62	20.53	20.74	0.00	21.70
		50	24	22.47	22.31	22.26	22.29	22.31	3.00	22.70	20.64	20.76	20.62	20.53	20.75	0.00	21.70
		50	50	22.48	22.31	22.26	22.28	22.22	3.00	22.70	20.63	20.73	20.62	20.53	20.74	0.00	21.70
		100	0	22.48	22.31	22.27	22.29	22.29	3.00	22.70	20.63	20.72	20.60	20.53	20.74	0.00	21.70
	256QAM	1	0	20.39	20.55	20.38	20.06	20.44	5.00	20.70	20.02	19.63	19.82	19.71	19.57	1.00	20.70
		1	49	20.42	20.37	20.36	19.96	20.41	5.00	20.70	20.06	19.55	19.72	19.63	19.51	1.00	20.70
		1	99	20.49	20.57	20.35	20.03	20.50	5.00	20.70	20.10	19.65	19.69	19.68	19.58	1.00	20.70
		50	0	20.43	20.28	20.37	20.10	20.24	5.00	20.70	19.79	19.65	19.76	19.48	19.58	1.00	20.70
		50	24	20.54	20.34	20.47	20.11	20.26	5.00	20.70	19.90	19.72	19.82	19.50	19.61	1.00	20.70
		50	50	20.51	20.31	20.35	20.09	20.22	5.00	20.70	19.92	19.70	19.69	19.49	19.58	1.00	20.70
		100	0	20.51	20.35	20.38	20.11	20.25	5.00	20.70	19.88	19.70	19.73	19.48	19.63	1.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
15 MHz	QPSK	1	0	25.31	25.14	25.26	24.96	25.01	0.00	25.70	20.58	20.58	20.61	20.33	20.44	0.00	21.70
		1	37	25.35	25.10	25.24	24.93	25.02	0.00	25.70	20.70	20.49	20.60	20.30	20.47	0.00	21.70
		1	74	25.38	25.21	25.32	24.99	25.16	0.00	25.70	20.71	20.62	20.70	20.36	20.57	0.00	21.70
		36	0	24.42	24.24	24.36	24.09	24.21	1.00	24.70	20.75	20.62	20.74	20.46	20.59	0.00	21.70
		36	20	24.53	24.28	24.42	24.05	24.23	1.00	24.70	20.88	20.66	20.79	20.45	20.61	0.00	21.70
		36	39	24.51	24.27	24.41	24.04	24.24	1.00	24.70	20.87	20.64	20.78	20.45	20.61	0.00	21.70
		75	0	24.50	24.27	24.34	24.06	24.21	1.00	24.70	20.85	20.68	20.69	20.44	20.60	0.00	21.70
	16QAM	1	0	24.37	24.19	24.32	23.98	24.11	1.00	24.70	20.61	20.58	20.71	20.36	20.57	0.00	21.70
		1	37	24.53	24.13	24.31	24.01	24.07	1.00	24.70	20.72	20.60	20.69	20.31	20.66	0.00	21.70
		1	74	24.28	24.23	24.36	24.07	24.17	1.00	24.70	20.70	20.75	20.76	20.38	20.71	0.00	21.70
		36	0	23.43	23.25	23.32	23.11	23.17	2.00	23.70	20.46	20.67	20.72	20.48	20.64	0.00	21.70
		36	20	23.56	23.29	23.39	23.10	23.19	2.00	23.70	20.56	20.73	20.78	20.49	20.66	0.00	21.70
		36	39	23.55	23.24	23.38	23.08	23.20	2.00	23.70	20.53	20.71	20.75	20.45	20.67	0.00	21.70
		75	0	23.51	23.29	23.33	23.05	23.22	2.00	23.70	20.55	20.70	20.75	20.47	20.63	0.00	21.70
	64QAM	1	0	23.34	23.24	23.12	23.12	23.37	2.00	23.70	20.20	20.39	20.50	20.41	20.37	0.00	21.70
		1	37	23.35	23.24	23.15	23.12	23.47	2.00	23.70	20.31	20.39	20.49	20.41	20.37	0.00	21.70
		1	74	23.35	23.24	23.15	23.12	23.54	2.00	23.70	20.32	20.39	20.51	20.42	20.37	0.00	21.70
		36	0	22.35	22.24	22.13	22.13	22.27	3.00	22.70	20.45	20.39	20.50	20.42	20.37	0.00	21.70
		36	20	22.36	22.24	22.16	22.13	22.29	3.00	22.70	20.55	20.39	20.50	20.43	20.36	0.00	21.70
		36	39	22.36	22.24	22.14	22.13	22.32	3.00	22.70	20.56	20.42	20.51	20.43	20.36	0.00	21.70
		75	0	22.37	22.24	22.15	22.12	22.25	3.00	22.70	20.63	20.39	20.50	20.42	20.36	0.00	21.70
	256QAM	1	0	20.38	19.93	20.33	20.10	19.85	5.00	20.70	19.78	19.65	19.40	19.49	19.59	1.00	20.70
		1	37	20.50	19.92	20.35	20.07	19.84	5.00	20.70	19.87	19.64	19.43	19.46	19.52	1.00	20.70
		1	74	20.53	20.04	20.41	20.06	19.91	5.00	20.70	19.88	19.75	19.42	19.49	19.65	1.00	20.70
		36	0	20.41	20.27	20.37	20.06	20.21	5.00	20.70	19.76	19.65	19.76	19.47	19.61	1.00	20.70
		36	20	20.50	20.33	20.42	20.03	20.23	5.00	20.70	19.84	19.72	19.82	19.43	19.63	1.00	20.70
		36	39	20.46	20.29	20.40	20.03	20.25	5.00	20.70	19.84	19.68	19.78	19.44	19.61	1.00	20.70
		75	0	20.50	20.27	20.34	20.08	20.20	5.00	20.70	19.88	19.70	19.69	19.48	19.61	1.00	20.70

LTE Band 41 Power Class 3 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	25.39	25.14	25.26	24.96	25.11	0.00	25.70	20.44	20.60	20.40	20.35	20.46	0.00	21.70
		1	25	25.42	25.08	25.30	24.98	25.09	0.00	25.70	20.46	20.54	20.36	20.37	20.55	0.00	21.70
		1	49	25.49	25.12	25.27	24.96	25.10	0.00	25.70	20.51	20.53	20.37	20.26	20.56	0.00	21.70
		25	0	24.51	24.21	24.36	24.11	24.19	1.00	24.70	20.62	20.65	20.43	20.48	20.61	0.00	21.70
		25	12	24.54	24.33	24.46	24.14	24.26	1.00	24.70	20.64	20.73	20.52	20.48	20.67	0.00	21.70
		25	25	24.55	24.28	24.43	24.07	24.27	1.00	24.70	20.61	20.69	20.51	20.49	20.62	0.00	21.70
		50	0	24.51	24.27	24.45	24.08	24.25	1.00	24.70	20.59	20.70	20.52	20.48	20.61	0.00	21.70
	16QAM	1	0	24.53	24.19	24.45	24.12	24.14	1.00	24.70	20.49	20.43	20.50	20.43	20.63	0.00	21.70
		1	25	24.50	24.18	24.39	24.08	24.19	1.00	24.70	20.52	20.41	20.43	20.37	20.66	0.00	21.70
		1	49	24.61	24.21	24.41	24.10	24.18	1.00	24.70	20.57	20.40	20.45	20.38	20.78	0.00	21.70
		25	0	23.53	23.21	23.35	23.08	23.23	2.00	23.70	20.62	20.39	20.46	20.51	20.65	0.00	21.70
		25	12	23.56	23.29	23.46	23.09	23.21	2.00	23.70	20.63	20.47	20.58	20.55	20.72	0.00	21.70
		25	25	23.56	23.27	23.46	23.09	23.27	2.00	23.70	20.66	20.45	20.54	20.52	20.69	0.00	21.70
		50	0	23.59	23.28	23.45	23.11	23.25	2.00	23.70	20.61	20.44	20.56	20.49	20.68	0.00	21.70
	64QAM	1	0	23.27	23.09	23.43	22.94	23.38	2.00	23.70	20.45	20.46	20.61	20.53	20.36	0.00	21.70
		1	25	23.29	23.06	23.48	22.93	23.37	2.00	23.70	20.46	20.49	20.60	20.50	20.36	0.00	21.70
		1	49	23.28	23.08	23.55	22.96	23.33	2.00	23.70	20.50	20.49	20.58	20.47	20.40	0.00	21.70
		25	0	22.32	22.10	22.49	21.96	22.17	3.00	22.70	20.30	20.47	20.57	20.51	20.35	0.00	21.70
		25	12	22.30	22.09	22.43	21.96	22.19	3.00	22.70	20.34	20.46	20.60	20.55	20.39	0.00	21.70
		25	25	22.28	22.05	22.51	21.96	22.22	3.00	22.70	20.32	20.48	20.59	20.52	20.39	0.00	21.70
		50	0	22.29	22.05	22.54	21.96	22.25	3.00	22.70	20.30	20.49	20.59	20.46	20.37	0.00	21.70
	256QAM	1	0	20.57	20.20	20.12	20.19	20.21	5.00	20.70	19.55	19.64	19.88	19.25	19.50	1.00	20.70
		1	25	20.60	20.28	20.16	20.27	20.26	5.00	20.70	19.66	19.70	20.02	19.23	19.59	1.00	20.70
		1	49	20.61	20.25	20.10	20.16	20.12	5.00	20.70	19.65	19.66	19.84	19.80	19.53	1.00	20.70
		25	0	20.48	20.26	20.37	20.09	20.24	5.00	20.70	19.94	19.65	19.75	19.54	19.61	1.00	20.70
		25	12	20.54	20.33	20.49	20.12	20.27	5.00	20.70	19.98	19.72	19.88	19.50	19.63	1.00	20.70
		25	25	20.55	20.30	20.47	20.10	20.25	5.00	20.70	19.95	19.70	19.81	19.48	19.62	1.00	20.70
		50	0	20.54	20.34	20.38	20.14	20.23	5.00	20.70	19.83	19.71	19.86	19.43	19.59	1.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
5 MHz	QPSK	1	0	25.33	25.04	25.35	24.95	24.98	0.00	25.70	20.38	20.22	20.40	20.21	20.41	0.00	21.70
		1	12	25.39	25.13	25.32	24.97	25.07	0.00	25.70	20.42	20.24	20.41	20.27	20.48	0.00	21.70
		1	24	25.42	25.05	25.36	24.93	25.04	0.00	25.70	20.48	20.29	20.44	20.29	20.47	0.00	21.70
		12	0	24.49	24.15	24.43	24.08	24.16	1.00	24.70	20.54	20.27	20.50	20.44	20.55	0.00	21.70
		12	7	24.52	24.28	24.45	24.09	24.20	1.00	24.70	20.58	20.39	20.52	20.47	20.59	0.00	21.70
		12	13	24.47	24.25	24.44	24.06	24.18	1.00	24.70	20.58	20.36	20.50	20.42	20.57	0.00	21.70
		25	0	24.47	24.22	24.42	24.00	24.17	1.00	24.70	20.53	20.36	20.49	20.42	20.52	0.00	21.70
	16QAM	1	0	24.50	24.09	24.32	24.06	24.03	1.00	24.70	20.43	20.41	20.39	20.31	20.57	0.00	21.70
		1	12	24.68	24.26	24.43	24.26	24.22	1.00	24.70	20.62	20.55	20.51	20.51	20.77	0.00	21.70
		1	24	24.59	24.09	24.31	24.13	24.04	1.00	24.70	20.46	20.42	20.41	20.31	20.61	0.00	21.70
		12	0	23.55	23.16	23.40	23.10	23.15	2.00	23.70	20.59	20.39	20.51	20.46	20.64	0.00	21.70
		12	7	23.57	23.30	23.45	23.13	23.22	2.00	23.70	20.64	20.44	20.55	20.52	20.65	0.00	21.70
		12	13	23.58	23.27	23.37	23.13	23.17	2.00	23.70	20.58	20.46	20.48	20.48	20.66	0.00	21.70
		25	0	23.47	23.24	23.44	23.06	23.15	2.00	23.70	20.56	20.40	20.52	20.45	20.58	0.00	21.70
	64QAM	1	0	23.31	23.49	23.60	22.97	23.27	2.00	23.70	20.50	20.51	20.39	20.34	20.47	0.00	21.70
		1	12	23.31	23.46	23.59	22.96	23.35	2.00	23.70	20.32	20.51	20.37	20.35	20.47	0.00	21.70
		1	24	23.32	23.47	23.60	22.96	23.20	2.00	23.70	20.30	20.51	20.38	20.33	20.47	0.00	21.70
		12	0	22.30	22.47	22.61	21.97	22.11	3.00	22.70	20.57	20.50	20.41	20.33	20.46	0.00	21.70
		12	7	22.31	22.48	22.64	21.97	22.17	3.00	22.70	20.59	20.50	20.41	20.33	20.46	0.00	21.70
		12	13	22.32	22.50	22.62	21.99	22.13	3.00	22.70	20.55	20.50	20.40	20.32	20.46	0.00	21.70
		25	0	22.31	22.51	22.61	21.98	22.10	3.00	22.70	20.62	20.52	20.40	20.34	20.46	0.00	21.70
	256QAM	1	0	20.67	20.24	20.38	20.35	20.22	5.00	20.70	19.75	19.34	19.48	19.71	19.58	1.00	20.70
		1	12	20.70	20.44	20.49	20.41	20.37	5.00	20.70	19.80	19.40	19.70	19.78	19.65	1.00	20.70
		1	24	20.68	20.29	20.36	20.37	20.18	5.00	20.70	19.77	19.37	19.49	19.74	19.53	1.00	20.70
		12	0	20.44	20.18	20.44	20.03	20.14	5.00	20.70	19.52	19.29	19.50	19.40	19.55	1.00	20.70
		12	7	20.49	20.32	20.49	20.09	20.20	5.00	20.70	19.58	19.43	19.55	19.46	19.63	1.00	20.70
		12	13	20.44	20.29	20.42	20.05	20.19	5.00	20.70	19.55	19.37	19.52	19.39	19.59	1.00	20.70
		25	0	20.45	20.26	20.38	20.08	20.13	5.00	20.70	19.55	19.34	19.49	19.45	19.55	1.00	20.70

LTE Band 41 Power Class 3 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
20 MHz	QPSK	1	0	17.78	17.70	17.76	17.72	17.78	0.00	18.70	19.99	19.85	19.86	19.80	20.02	0.00	20.80
		1	49	17.80	17.72	17.80	17.77	17.80	0.00	18.70	20.00	19.90	20.00	19.95	20.05	0.00	20.80
		1	99	17.75	17.70	17.71	17.70	17.78	0.00	18.70	20.00	19.80	19.83	19.91	20.01	0.00	20.80
		50	0	17.80	17.86	17.74	17.70	17.80	0.00	18.70	19.91	19.97	19.87	19.84	20.04	0.00	20.80
		50	24	17.80	17.88	17.88	17.84	17.85	0.00	18.70	19.95	19.97	20.05	19.93	20.05	0.00	20.80
		50	50	17.74	17.78	17.70	17.83	17.84	0.00	18.70	19.93	19.92	19.88	19.92	20.05	0.00	20.80
		100	0	17.80	17.84	17.85	17.83	17.79	0.00	18.70	19.90	19.95	20.01	19.93	20.01	0.00	20.80
	16QAM	1	0	17.70	17.46	17.42	17.53	17.62	0.00	18.70	19.81	19.54	19.54	19.64	19.67	0.00	20.80
		1	49	17.68	17.40	17.48	17.47	17.56	0.00	18.70	19.88	19.55	19.57	19.60	19.62	0.00	20.80
		1	99	17.71	17.40	17.47	17.68	17.56	0.00	18.70	19.80	19.55	19.58	19.73	19.64	0.00	20.80
		50	0	17.78	17.54	17.46	17.46	17.61	0.00	18.70	19.88	19.62	19.57	19.55	19.70	0.00	20.80
		50	24	17.80	17.52	17.45	17.56	17.60	0.00	18.70	19.89	19.62	19.54	19.64	19.67	0.00	20.80
		50	50	17.70	17.49	17.44	17.59	17.66	0.00	18.70	19.79	19.58	19.54	19.66	19.73	0.00	20.80
		100	0	17.67	17.51	17.46	17.54	17.59	0.00	18.70	19.76	19.62	19.56	19.60	19.69	0.00	20.80
	64QAM	1	0	17.85	17.63	17.42	17.57	17.71	0.00	18.70	19.87	19.67	19.52	19.66	19.86	0.00	20.80
		1	49	17.85	17.61	17.42	17.58	17.68	0.00	18.70	19.86	19.66	19.51	19.67	19.77	0.00	20.80
		1	99	17.85	17.60	17.41	17.58	17.77	0.00	18.70	19.86	19.66	19.51	19.68	19.68	0.00	20.80
		50	0	17.85	17.63	17.41	17.59	17.70	0.00	18.70	19.88	19.66	19.51	19.69	19.77	0.00	20.80
		50	24	17.85	17.62	17.42	17.59	17.69	0.00	18.70	19.89	19.66	19.51	19.69	19.76	0.00	20.80
		50	50	17.84	17.60	17.41	17.59	17.72	0.00	18.70	19.87	19.66	19.52	19.69	19.83	0.00	20.80
		100	0	17.82	17.62	17.41	17.59	17.68	0.00	18.70	19.88	19.66	19.51	19.68	19.78	0.00	20.80
	256QAM	1	0	17.76	17.88	17.46	17.49	17.89	0.00	18.70	19.05	19.17	18.81	18.72	19.20	1.30	19.50
		1	49	17.61	17.66	17.46	17.40	17.83	0.00	18.70	18.96	18.95	18.65	18.71	19.16	1.30	19.50
		1	99	17.66	17.77	17.42	17.57	17.98	0.00	18.70	18.94	19.04	18.76	18.91	19.05	1.30	19.50
		50	0	17.75	17.57	17.47	17.41	17.64	0.00	18.70	19.04	18.87	18.77	18.71	18.95	1.30	19.50
		50	24	17.79	17.54	17.45	17.55	17.61	0.00	18.70	19.07	18.85	18.75	18.83	18.93	1.30	19.50
		50	50	17.67	17.53	17.43	17.53	17.69	0.00	18.70	18.99	18.82	18.74	18.81	18.99	1.30	19.50
		100	0	17.65	17.53	17.46	17.52	17.63	0.00	18.70	19.00	18.86	18.76	18.80	18.91	1.30	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
15 MHz	QPSK	1	0	17.58	17.51	17.47	17.46	17.49	0.00	18.70	19.67	19.87	19.80	19.80	19.90	0.00	20.80
		1	37	17.58	17.46	17.40	17.45	17.48	0.00	18.70	19.67	19.87	19.80	19.88	19.88	0.00	20.80
		1	74	17.60	17.49	17.45	17.48	17.58	0.00	18.70	19.69	19.84	19.82	19.95	19.96	0.00	20.80
		36	0	17.72	17.54	17.44	17.42	17.61	0.00	18.70	19.84	19.94	19.85	19.83	20.03	0.00	20.80
		36	20	17.73	17.49	17.45	17.50	17.59	0.00	18.70	19.85	19.90	19.85	19.89	20.01	0.00	20.80
		36	39	17.72	17.49	17.40	17.50	17.66	0.00	18.70	19.84	19.90	19.84	19.92	20.05	0.00	20.80
		75	0	17.72	17.50	17.43	17.48	17.59	0.00	18.70	19.81	19.90	19.83	19.90	20.00	0.00	20.80
	16QAM	1	0	17.55	17.44	17.43	17.40	17.54	0.00	18.70	19.68	19.81	19.83	19.82	19.90	0.00	20.80
		1	37	17.67	17.46	17.43	17.44	17.50	0.00	18.70	19.74	19.82	19.80	19.83	19.89	0.00	20.80
		1	74	17.63	17.55	17.42	17.51	17.58	0.00	18.70	19.76	19.88	19.93	19.91	19.97	0.00	20.80
		36	0	17.76	17.50	17.43	17.45	17.61	0.00	18.70	19.83	19.91	19.90	19.82	19.99	0.00	20.80
		36	20	17.75	17.48	17.43	17.52	17.58	0.00	18.70	19.82	19.89	19.89	19.91	19.99	0.00	20.80
		36	39	17.75	17.46	17.48	17.53	17.62	0.00	18.70	19.83	19.85	19.87	19.93	20.02	0.00	20.80
		75	0	17.73	17.50	17.43	17.49	17.58	0.00	18.70	19.83	19.89	19.81	19.87	19.95	0.00	20.80
	64QAM	1	0	17.53	17.54	17.49	17.45	17.46	0.00	18.70	19.82	19.91	19.92	19.82	19.89	0.00	20.80
		1	37	17.54	17.54	17.50	17.44	17.42	0.00	18.70	19.81	19.92	19.92	19.83	19.85	0.00	20.80
		1	74	17.48	17.54	17.49	17.42	17.58	0.00	18.70	19.82	19.91	19.92	19.82	20.00	0.00	20.80
		36	0	17.48	17.54	17.49	17.42	17.62	0.00	18.70	19.83	19.91	19.92	19.82	19.99	0.00	20.80
		36	20	17.48	17.55	17.49	17.42	17.60	0.00	18.70	19.82	19.91	19.91	19.83	19.98	0.00	20.80
		36	39	17.48	17.54	17.50	17.42	17.65	0.00	18.70	19.81	19.92	19.93	19.83	20.03	0.00	20.80
		75	0	17.48	17.54	17.50	17.43	17.64	0.00	18.70	19.91	19.93	19.91	19.80	20.01	0.00	20.80
	256QAM	1	0	17.74	17.52	17.46	17.42	17.60	0.00	18.70	19.31	19.16	18.73	18.97	19.25	1.30	19.50
		1	37	17.68	17.49	17.41	17.48	17.68	0.00	18.70	19.29	19.10	18.66	19.07	19.25	1.30	19.50
		1	74	17.85	17.52	17.50	17.65	17.77	0.00	18.70	19.45	19.16	18.77	19.24	19.34	1.30	19.50
		36	0	17.77	17.52	17.47	17.43	17.60	0.00	18.70	19.35	19.11	19.06	19.02	19.19	1.30	19.50
		36	20	17.77	17.47	17.45	17.50	17.58	0.00	18.70	19.36	19.09	19.03	19.09	19.17	1.30	19.50
		36	39	17.73	17.44	17.43	17.50	17.62	0.00	18.70	19.35	19.05	19.03	19.11	19.23	1.30	19.50
		75	0	17.73	17.51	17.42	17.53	17.63	0.00	18.70	19.33	19.11	19.00	19.11	19.20	1.30	19.50

LTE Band 41 Power Class 3 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	17.66	17.46	17.41	17.44	17.59	0.00	18.70	19.71	19.54	19.54	19.55	19.64	0.00	20.80
		1	25	17.67	17.44	17.45	17.49	17.52	0.00	18.70	19.74	19.53	19.62	19.51	19.66	0.00	20.80
		1	49	17.68	17.45	17.45	17.45	17.59	0.00	18.70	19.77	19.51	19.51	19.50	19.64	0.00	20.80
		25	0	17.76	17.53	17.46	17.43	17.63	0.00	18.70	19.85	19.65	19.58	19.51	19.71	0.00	20.80
		25	12	17.80	17.54	17.46	17.53	17.66	0.00	18.70	19.88	19.65	19.55	19.63	19.74	0.00	20.80
		25	25	17.76	17.50	17.46	17.51	17.71	0.00	18.70	19.86	19.60	19.56	19.62	19.80	0.00	20.80
		50	0	17.76	17.50	17.45	17.52	17.60	0.00	18.70	19.84	19.62	19.53	19.58	19.70	0.00	20.80
	16QAM	1	0	17.79	17.47	17.49	17.50	17.60	0.00	18.70	19.82	19.56	19.56	19.59	19.66	0.00	20.80
		1	25	17.80	17.44	17.55	17.50	17.56	0.00	18.70	19.86	19.58	19.68	19.58	19.69	0.00	20.80
		1	49	17.81	17.42	17.58	17.59	17.59	0.00	18.70	19.89	19.53	19.51	19.63	19.69	0.00	20.80
		25	0	17.76	17.52	17.44	17.40	17.65	0.00	18.70	19.87	19.62	19.54	19.50	19.71	0.00	20.80
		25	12	17.80	17.55	17.46	17.53	17.62	0.00	18.70	19.88	19.65	19.56	19.64	19.73	0.00	20.80
		25	25	17.77	17.52	17.45	17.55	17.67	0.00	18.70	19.88	19.60	19.54	19.65	19.77	0.00	20.80
		50	0	17.77	17.50	17.48	17.56	17.59	0.00	18.70	19.88	19.60	19.56	19.63	19.68	0.00	20.80
	64QAM	1	0	17.59	17.55	17.49	17.42	17.81	0.00	18.70	19.70	19.53	19.65	19.52	19.77	0.00	20.80
		1	25	17.60	17.50	17.48	17.44	17.72	0.00	18.70	19.67	19.54	19.74	19.53	19.87	0.00	20.80
		1	49	17.59	17.51	17.53	17.42	17.73	0.00	18.70	19.70	19.51	19.73	19.54	19.94	0.00	20.80
		25	0	17.59	17.51	17.46	17.46	17.56	0.00	18.70	19.70	19.55	19.73	19.54	19.65	0.00	20.80
		25	12	17.59	17.50	17.56	17.41	17.55	0.00	18.70	19.66	19.54	19.60	19.55	19.65	0.00	20.80
		25	25	17.58	17.55	17.50	17.42	17.61	0.00	18.70	19.70	19.50	19.65	19.53	19.71	0.00	20.80
		50	0	17.62	17.52	17.57	17.44	17.58	0.00	18.70	19.65	19.55	19.67	19.53	19.69	0.00	20.80
	256QAM	1	0	17.81	17.49	17.43	17.55	17.56	0.00	18.70	19.16	18.80	18.42	18.77	18.88	1.30	19.50
		1	25	17.92	17.52	17.44	17.69	17.71	0.00	18.70	19.20	18.84	18.51	18.89	18.97	1.30	19.50
		1	49	17.90	17.44	17.42	17.60	17.59	0.00	18.70	19.19	18.74	18.51	18.91	18.92	1.30	19.50
		25	0	17.72	17.53	17.47	17.41	17.62	0.00	18.70	19.01	18.84	18.78	18.69	18.93	1.30	19.50
		25	12	17.75	17.54	17.51	17.52	17.64	0.00	18.70	19.09	18.85	18.79	18.80	18.92	1.30	19.50
		25	25	17.73	17.49	17.48	17.53	17.66	0.00	18.70	19.05	18.81	18.80	18.81	18.99	1.30	19.50
		50	0	17.79	17.52	17.42	17.56	17.60	0.00	18.70	19.11	18.82	18.72	18.85	18.93	1.30	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
5 MHz	QPSK	1	0	17.58	17.42	17.42	17.41	17.51	0.00	18.70	19.72	19.54	19.59	19.59	19.53	0.00	20.80
		1	12	17.62	17.44	17.44	17.50	17.52	0.00	18.70	19.66	19.50	19.54	19.59	19.60	0.00	20.80
		1	24	17.65	17.40	17.40	17.42	17.51	0.00	18.70	19.73	19.52	19.56	19.61	19.60	0.00	20.80
		12	0	17.71	17.49	17.44	17.48	17.56	0.00	18.70	19.77	19.57	19.52	19.56	19.67	0.00	20.80
		12	7	17.75	17.53	17.46	17.50	17.68	0.00	18.70	19.80	19.59	19.54	19.62	19.78	0.00	20.80
		12	13	17.75	17.51	17.44	17.51	17.65	0.00	18.70	19.76	19.57	19.52	19.57	19.74	0.00	20.80
		25	0	17.67	17.48	17.41	17.45	17.53	0.00	18.70	19.77	19.55	19.52	19.53	19.64	0.00	20.80
	16QAM	1	0	17.72	17.45	17.43	17.48	17.44	0.00	18.70	19.81	19.69	19.55	19.59	19.58	0.00	20.80
		1	12	17.88	17.50	17.43	17.68	17.69	0.00	18.70	19.96	19.61	19.53	19.76	19.76	0.00	20.80
		1	24	17.78	17.50	17.48	17.56	17.47	0.00	18.70	19.87	19.59	19.51	19.66	19.58	0.00	20.80
		12	0	17.79	17.50	17.41	17.55	17.55	0.00	18.70	19.83	19.54	19.67	19.63	19.64	0.00	20.80
		12	7	17.82	17.56	17.47	17.57	17.69	0.00	18.70	19.88	19.61	19.54	19.65	19.81	0.00	20.80
		12	13	17.78	17.50	17.42	17.54	17.65	0.00	18.70	19.84	19.55	19.50	19.63	19.72	0.00	20.80
		25	0	17.70	17.49	17.48	17.49	17.52	0.00	18.70	19.79	19.53	19.54	19.57	19.65	0.00	20.80
	64QAM	1	0	17.91	17.43	17.67	17.69	17.58	0.00	18.70	19.72	19.52	19.78	19.71	19.58	0.00	20.80
		1	12	17.92	17.43	17.67	17.68	17.45	0.00	18.70	19.73	19.53	19.79	19.71	19.52	0.00	20.80
		1	24	17.92	17.43	17.69	17.66	17.40	0.00	18.70	19.72	19.54	19.79	19.72	19.56	0.00	20.80
		12	0	17.93	17.44	17.69	17.69	17.60	0.00	18.70	19.72	19.54	19.79	19.71	19.66	0.00	20.80
		12	7	17.91	17.44	17.66	17.69	17.68	0.00	18.70	19.71	19.53	19.78	19.71	19.78	0.00	20.80
		12	13	17.92	17.43	17.65	17.68	17.64	0.00	18.70	19.71	19.55	19.77	19.72	19.73	0.00	20.80
		25	0	17.91	17.43	17.69	17.68	17.62	0.00	18.70	19.72	19.54	19.79	19.72	19.69	0.00	20.80
	256QAM	1	0	17.70	17.78	17.45	17.50	17.88	0.00	18.70	18.97	19.05	18.79	18.72	19.16	1.30	19.50
		1	12	17.73	17.86	17.58	17.52	18.02	0.00	18.70	19.02	19.13	18.93	18.79	19.19	1.30	19.50
		1	24	17.71	17.82	17.48	17.52	17.96	0.00	18.70	19.01	19.10	18.80	18.80	19.20	1.30	19.50
		12	0	17.68	17.47	17.40	17.46	17.57	0.00	18.70	18.97	18.76	18.70	18.77	18.85	1.30	19.50
		12	7	17.76	17.50	17.45	17.54	17.68	0.00	18.70	19.06	18.81	18.76	18.84	18.97	1.30	19.50
		12	13	17.69	17.46	17.40	17.50	17.64	0.00	18.70	19.00	18.78	18.71	18.80	18.94	1.30	19.50
		25	0	17.66	17.45	17.68	17.46	17.57	0.00	18.70	18.98	18.76	18.73	18.75	18.87	1.30	19.50

LTE Band 41 Power Class 3 Measured Results (ANT3)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
20 MHz	QPSK	1	0	24.61	24.50	24.71	24.30	24.62	0.00	25.20	20.30	20.31	20.34	20.18	20.16	0.00	20.80
		1	49	24.65	24.57	24.73	24.31	24.68	0.00	25.20	20.32	20.33	20.38	20.21	20.17	0.00	20.80
		1	99	24.60	24.53	24.65	24.27	24.63	0.00	25.20	20.30	20.33	20.37	20.20	20.15	0.00	20.80
		50	0	23.77	23.66	23.68	23.44	23.86	1.00	24.20	20.27	20.31	20.44	20.33	20.30	0.00	20.80
		50	24	23.80	23.78	23.87	23.47	23.87	1.00	24.20	20.32	20.31	20.45	20.35	20.35	0.00	20.80
		50	50	23.74	23.63	23.74	23.46	23.84	1.00	24.20	20.29	20.30	20.44	20.33	20.33	0.00	20.80
		100	0	23.80	23.79	23.80	23.46	23.60	1.00	24.20	20.34	20.28	20.35	20.35	20.35	0.00	20.80
	16QAM	1	0	23.99	24.02	23.65	23.92	23.83	1.00	24.20	20.27	20.37	19.99	20.27	20.10	0.00	20.80
		1	49	24.14	24.04	23.63	23.84	23.67	1.00	24.20	20.41	20.33	19.98	20.19	20.04	0.00	20.80
		1	99	24.20	23.97	23.71	23.97	23.76	1.00	24.20	20.20	20.30	20.00	20.25	20.12	0.00	20.80
		50	0	23.18	23.17	22.97	22.88	22.86	2.00	23.20	20.12	20.10	20.28	20.20	20.18	0.00	20.80
		50	24	23.16	23.17	22.95	22.91	22.84	2.00	23.20	20.13	20.14	20.24	20.20	20.19	0.00	20.80
		50	50	23.20	23.13	22.91	22.94	22.82	2.00	23.20	20.14	20.20	20.23	20.23	20.17	0.00	20.80
		100	0	23.10	23.16	22.95	22.87	22.85	2.00	23.20	20.14	20.12	20.27	20.16	20.17	0.00	20.80
	64QAM	1	0	22.80	23.03	22.85	23.11	23.03	2.00	23.20	20.30	20.41	20.17	20.27	20.14	0.00	20.80
		1	49	22.86	23.02	22.88	23.11	23.02	2.00	23.20	20.31	20.41	20.18	20.29	20.13	0.00	20.80
		1	99	22.98	23.01	22.87	23.11	23.09	2.00	23.20	20.32	20.41	20.16	20.27	20.23	0.00	20.80
		50	0	21.93	22.01	21.86	22.10	22.10	3.00	22.20	20.31	20.41	20.17	20.28	20.21	0.00	20.80
		50	24	21.94	22.01	21.87	22.10	22.10	3.00	22.20	20.31	20.41	20.17	20.26	20.23	0.00	20.80
		50	50	21.91	22.00	21.86	22.10	22.10	3.00	22.20	20.32	20.41	20.18	20.27	20.19	0.00	20.80
		100	0	21.94	22.00	21.86	22.10	22.11	3.00	22.20	20.33	20.41	20.16	20.28	20.24	0.00	20.80
	256QAM	1	0	20.20	19.84	20.03	20.17	20.00	5.00	20.20	19.97	20.18	20.04	19.78	20.17	0.60	20.20
		1	49	20.05	19.75	19.83	20.06	20.16	5.00	20.20	20.14	20.06	19.84	19.74	20.04	0.60	20.20
		1	99	20.16	19.89	19.93	20.16	20.17	5.00	20.20	20.16	20.16	19.89	19.88	20.14	0.60	20.20
		50	0	19.89	19.84	19.96	20.17	20.15	5.00	20.20	20.13	20.17	19.97	19.82	19.89	0.60	20.20
		50	24	19.89	19.86	19.94	20.15	20.14	5.00	20.20	20.12	20.16	19.95	19.86	19.89	0.60	20.20
		50	50	19.88	19.86	19.91	20.15	20.14	5.00	20.20	20.15	20.14	19.90	19.85	19.89	0.60	20.20
		100	0	19.89	19.85	19.95	20.12	20.20	5.00	20.20	20.19	20.15	19.94	19.85	19.90	0.60	20.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
15 MHz	QPSK	1	0	24.92	24.98	24.80	24.69	24.68	0.00	25.20	20.16	20.30	20.09	19.97	19.99	0.00	20.80
		1	37	25.05	24.92	24.71	24.66	24.60	0.00	25.20	20.33	20.22	19.99	19.99	19.94	0.00	20.80
		1	74	25.10	25.05	24.84	24.83	24.73	0.00	25.20	20.36	20.33	20.11	20.10	20.06	0.00	20.80
		36	0	24.18	24.18	23.96	23.84	23.87	1.00	24.20	20.40	20.46	20.24	20.10	20.16	0.00	20.80
		36	20	24.14	24.16	23.94	23.84	23.85	1.00	24.20	20.48	20.43	20.20	20.11	20.16	0.00	20.80
		36	39	24.13	24.14	23.92	23.86	23.85	1.00	24.20	20.50	20.40	20.19	20.14	20.14	0.00	20.80
		75	0	24.11	24.15	23.93	23.86	23.84	1.00	24.20	20.47	20.40	20.20	20.15	20.16	0.00	20.80
	16QAM	1	0	24.02	24.04	23.86	23.69	23.71	1.00	24.20	20.29	20.32	20.13	19.97	20.07	0.00	20.80
		1	37	24.17	23.98	23.83	23.76	23.69	1.00	24.20	20.50	20.28	20.12	20.05	20.00	0.00	20.80
		1	74	24.08	24.05	23.85	23.86	23.77	1.00	24.20	20.39	20.34	20.19	20.13	20.04	0.00	20.80
		36	0	23.11	23.18	22.92	22.86	22.83	2.00	23.20	20.47	20.47	20.22	20.18	20.15	0.00	20.80
		36	20	23.16	23.14	22.90	22.88	22.82	2.00	23.20	20.43	20.44	20.20	20.14	20.15	0.00	20.80
		36	39	23.19	23.12	22.86	22.87	22.79	2.00	23.20	20.47	20.40	20.17	20.17	20.11	0.00	20.80
		75	0	23.14	23.16	22.93	22.87	22.85	2.00	23.20	20.49	20.43	20.25	20.17	20.15	0.00	20.80
	64QAM	1	0	22.56	22.53	23.02	23.10	22.77	2.00	23.20	20.12	20.45	20.35	19.86	20.04	0.00	20.80
		1	37	22.45	22.55	23.00	23.10	22.77	2.00	23.20	20.11	20.45	20.35	19.86	19.81	0.00	20.80
		1	74	22.79	22.55	23.01	23.09	22.76	2.00	23.20	20.12	20.45	20.35	19.87	20.04	0.00	20.80
		36	0	21.85	21.53	22.02	22.10	21.77	3.00	22.20	20.11	20.45	20.35	19.87	20.14	0.00	20.80
		36	20	21.84	21.52	21.98	22.10	21.77	3.00	22.20	20.12	20.45	20.35	19.87	20.14	0.00	20.80
		36	39	21.82	21.53	21.98	22.08	21.77	3.00	22.20	20.12	20.45	20.34	19.86	20.12	0.00	20.80
		75	0	21.88	21.52	21.97	22.09	21.77	3.00	22.20	20.13	20.45	20.34	19.87	20.19	0.00	20.80
	256QAM	1	0	19.89	19.84	19.64	20.08	20.09	5.00	20.20	20.06	20.09	19.65	19.86	19.88	0.60	20.20
		1	37	19.84	19.77	19.56	20.13	20.14	5.00	20.20	20.14	20.14	19.56	19.81	19.82	0.60	20.20
		1	74	19.95	19.96	19.63	20.14	20.20	5.00	20.20	20.20	20.15	19.65	19.97	19.96	0.60	20.20
		36	0	19.84	19.86	19.99	20.14	20.19	5.00	20.20	20.16	20.14	19.99	19.86	19.85	0.60	20.20
		36	20	19.82	19.85	19.96	20.11	20.14	5.00	20.20	20.20	20.13	19.94	19.85	19.81	0.60	20.20
		36	39	19.83	19.85	19.90	20.08	20.13	5.00	20.20	20.12	20.10	19.92	19.84	19.82	0.60	20.20
		75	0	19.86	19.87	19.92	20.14	20.12	5.00	20.20	20.11	20.15	19.91	19.85	19.89	0.60	20.20

LTE Band 41 Power Class 3 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	25.08	25.04	24.83	24.70	24.73	0.00	25.20	20.07	20.03	20.20	20.06	20.08	0.00	20.80
		1	25	25.14	24.98	24.86	24.76	24.69	0.00	25.20	20.13	20.02	20.18	20.08	20.10	0.00	20.80
		1	49	25.20	25.01	24.83	24.81	24.78	0.00	25.20	20.19	20.02	20.13	20.13	20.06	0.00	20.80
		25	0	24.11	24.18	23.93	23.85	23.90	1.00	24.20	20.19	20.20	20.27	20.21	20.23	0.00	20.80
		25	12	24.17	24.14	23.97	23.89	23.89	1.00	24.20	20.15	20.20	20.31	20.25	20.24	0.00	20.80
		25	25	24.15	24.16	23.96	23.88	23.88	1.00	24.20	20.14	20.16	20.28	20.19	20.20	0.00	20.80
		50	0	24.13	24.17	23.96	23.86	23.89	1.00	24.20	20.14	20.17	20.28	20.18	20.23	0.00	20.80
	16QAM	1	0	24.07	24.08	23.98	23.92	23.79	1.00	24.20	20.26	20.43	20.27	20.19	20.13	0.00	20.80
		1	25	24.11	24.01	23.86	23.89	23.74	1.00	24.20	20.29	20.37	20.21	20.24	20.09	0.00	20.80
		1	49	24.13	24.05	23.91	23.93	23.81	1.00	24.20	20.38	20.40	20.24	20.25	20.16	0.00	20.80
		25	0	23.08	23.18	22.97	22.85	22.89	2.00	23.20	20.30	20.49	20.28	20.21	20.23	0.00	20.80
		25	12	23.14	23.19	22.96	22.92	22.90	2.00	23.20	20.33	20.49	20.31	20.25	20.23	0.00	20.80
		25	25	23.13	23.18	22.96	22.89	22.88	2.00	23.20	20.30	20.47	20.26	20.23	20.21	0.00	20.80
		50	0	23.12	23.17	23.00	22.90	22.90	2.00	23.20	20.31	20.48	20.32	20.25	20.20	0.00	20.80
	64QAM	1	0	23.00	22.69	23.05	22.90	23.03	2.00	23.20	20.29	20.24	20.40	20.00	20.21	0.00	20.80
		1	25	22.96	22.69	22.99	22.89	22.98	2.00	23.20	20.31	20.24	20.31	20.01	20.25	0.00	20.80
		1	49	22.95	22.72	23.16	22.91	23.02	2.00	23.20	20.32	20.21	20.30	20.00	20.23	0.00	20.80
		25	0	21.82	21.75	22.05	21.89	22.02	3.00	22.20	20.30	20.24	20.40	20.02	20.08	0.00	20.80
		25	12	21.82	21.66	22.05	21.89	22.02	3.00	22.20	20.30	20.23	20.41	20.02	20.08	0.00	20.80
		25	25	21.82	21.75	22.14	21.91	22.00	3.00	22.20	20.29	20.22	20.37	20.00	20.09	0.00	20.80
		50	0	21.90	21.73	22.01	21.89	22.01	3.00	22.20	20.29	20.22	20.39	19.97	20.17	0.00	20.80
	256QAM	1	0	19.92	20.05	19.78	20.04	20.04	5.00	20.20	20.19	20.07	19.75	19.94	19.93	0.60	20.20
		1	25	19.92	19.99	19.75	20.14	20.18	5.00	20.20	20.20	20.12	19.72	20.07	19.87	0.60	20.20
		1	49	19.85	20.00	19.74	20.13	20.13	5.00	20.20	20.19	20.11	19.70	20.01	19.83	0.60	20.20
		25	0	19.90	19.87	20.04	20.19	19.96	5.00	20.20	20.11	20.18	20.05	19.88	19.90	0.60	20.20
		25	12	19.95	19.90	20.06	20.20	20.02	5.00	20.20	20.18	20.20	20.04	19.92	19.92	0.60	20.20
		25	25	19.88	19.88	20.01	20.16	20.05	5.00	20.20	20.17	20.16	20.00	19.90	19.85	0.60	20.20
		50	0	19.93	19.94	19.94	20.20	20.07	5.00	20.20	20.20	20.16	19.93	19.95	19.91	0.60	20.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
5 MHz	QPSK	1	0	25.17	24.97	24.92	24.73	24.66	0.00	25.20	20.09	19.95	20.20	20.02	20.03	0.00	20.80
		1	12	25.13	25.00	24.88	24.77	24.71	0.00	25.20	20.09	19.97	20.15	20.05	19.98	0.00	20.80
		1	24	25.12	25.04	24.87	24.80	24.64	0.00	25.20	20.17	20.01	20.18	20.09	20.02	0.00	20.80
		12	0	24.20	24.17	23.95	23.83	23.84	1.00	24.20	20.18	20.16	20.26	20.15	20.14	0.00	20.80
		12	7	24.15	24.19	24.00	23.92	23.88	1.00	24.20	20.13	20.19	20.28	20.18	20.18	0.00	20.80
		12	13	24.11	24.19	23.96	23.89	23.84	1.00	24.20	20.11	20.14	20.27	20.15	20.15	0.00	20.80
		25	0	24.18	24.12	23.93	23.82	23.81	1.00	24.20	20.15	20.12	20.25	20.13	20.12	0.00	20.80
	16QAM	1	0	24.05	24.02	23.88	23.89	23.69	1.00	24.20	20.19	20.02	20.13	20.20	20.02	0.00	20.80
		1	12	24.17	24.18	23.95	24.04	23.83	1.00	24.20	20.15	20.15	20.24	20.36	20.23	0.00	20.80
		1	24	24.14	23.99	23.87	23.95	23.69	1.00	24.20	20.11	19.98	20.15	20.25	19.96	0.00	20.80
		12	0	23.06	23.16	22.92	22.90	22.84	2.00	23.20	20.04	20.17	20.22	20.23	20.15	0.00	20.80
		12	7	23.11	23.14	23.00	22.94	22.90	2.00	23.20	20.08	20.12	20.29	20.25	20.20	0.00	20.80
		12	13	23.06	23.16	22.94	22.94	22.82	2.00	23.20	20.07	20.16	20.23	20.22	20.17	0.00	20.80
		25	0	23.01	23.15	22.97	22.85	22.83	2.00	23.20	20.19	20.15	20.29	20.17	20.13	0.00	20.80
	64QAM	1	0	22.52	23.07	23.17	23.03	23.09	2.00	23.20	20.14	20.06	20.50	20.34	20.00	0.00	20.80
		1	12	22.63	23.08	23.01	23.04	23.10	2.00	23.20	20.14	20.05	20.49	20.32	19.90	0.00	20.80
		1	24	22.58	23.08	23.12	23.04	23.11	2.00	23.20	20.14	20.05	20.50	20.32	19.80	0.00	20.80
		12	0	21.83	22.07	22.08	22.04	22.10	3.00	22.20	20.13	20.05	20.42	20.33	20.11	0.00	20.80
		12	7	21.84	22.08	22.07	22.03	22.09	3.00	22.20	20.12	20.04	20.50	20.33	20.15	0.00	20.80
		12	13	21.83	22.08	22.09	22.05	22.11	3.00	22.20	20.12	20.04	20.41	20.35	20.17	0.00	20.80
		25	0	21.88	22.08	22.08	22.03	22.09	3.00	22.20	20.13	20.04	20.49	20.34	20.17	0.00	20.80
	256QAM	1	0	20.17	19.88	20.04	20.11	20.11	5.00	20.20	20.18	20.08	20.00	19.87	20.15	0.60	20.20
		1	12	20.19	19.91	20.17	20.17	20.15	5.00	20.20	20.16	20.18	20.17	19.89	20.11	0.60	20.20
		1	24	20.19	19.85	20.04	20.07	20.14	5.00	20.20	20.13	20.11	20.04	19.88	20.11	0.60	20.20
		12	0	19.82	19.86	19.97	20.12	20.12	5.00	20.20	20.20	20.14	19.95	19.87	19.83	0.60	20.20
		12	7	19.89	19.93	20.04	20.19	20.17	5.00	20.20	20.15	20.19	20.01	19.92	19.86	0.60	20.20
		12	13	19.85	19.90	19.97	20.11	20.11	5.00	20.20	20.11	20.15	19.98	19.87	19.87	0.60	20.20
		25	0	19.84	19.84	19.95	20.16	20.16	5.00	20.20	20.16	20.17	19.95	19.81	19.84	0.60	20.20

LTE Band 41 Power Class 3 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
20 MHz	QPSK	1	0	18.47	18.98	18.89	18.80	18.74	0.00	19.80	20.30	20.68	20.78	20.62	20.49	0.00	21.50
		1	49	18.92	19.00	19.00	18.85	18.75	0.00	19.80	20.40	20.70	20.80	20.65	20.50	0.00	21.50
		1	99	19.00	18.83	18.81	18.80	18.70	0.00	19.80	20.39	20.46	20.67	20.53	20.49	0.00	21.50
		50	0	18.88	19.00	18.89	18.79	18.74	0.00	19.80	20.40	20.80	20.74	20.59	20.49	0.00	21.50
		50	24	19.04	19.05	19.05	18.85	18.77	0.00	19.80	20.50	20.80	20.81	20.65	20.57	0.00	21.50
		50	50	19.00	19.00	18.84	18.83	18.77	0.00	19.80	20.47	20.61	20.70	20.60	20.54	0.00	21.50
		100	0	19.04	19.04	19.05	18.78	18.74	0.00	19.80	20.42	20.76	20.80	20.58	20.57	0.00	21.50
	16QAM	1	0	18.43	18.91	18.50	18.77	18.56	0.00	19.80	20.17	20.70	20.50	20.74	20.48	0.00	21.50
		1	49	18.88	18.81	18.34	18.67	18.47	0.00	19.80	20.50	20.58	20.39	20.58	20.39	0.00	21.50
		1	99	18.77	18.73	18.43	18.74	18.43	0.00	19.80	20.54	20.46	20.38	20.64	20.40	0.00	21.50
		50	0	18.74	18.95	18.70	18.67	18.55	0.00	19.80	20.41	20.76	20.73	20.60	20.46	0.00	21.50
		50	24	18.89	18.85	18.66	18.67	18.53	0.00	19.80	20.44	20.72	20.68	20.60	20.54	0.00	21.50
		50	50	18.81	18.81	18.64	18.73	18.57	0.00	19.80	20.50	20.58	20.64	20.63	20.52	0.00	21.50
		100	0	18.83	18.85	18.65	18.60	18.53	0.00	19.80	20.41	20.70	20.69	20.53	20.52	0.00	21.50
	64QAM	1	0	18.51	18.81	18.67	18.79	18.70	0.00	19.80	20.50	20.84	20.69	20.83	20.63	0.00	21.50
		1	49	18.51	18.80	18.66	18.80	18.61	0.00	19.80	20.50	20.85	20.71	20.83	20.62	0.00	21.50
		1	99	18.51	18.81	18.65	18.80	18.74	0.00	19.80	20.49	20.84	20.70	20.77	20.72	0.00	21.50
		50	0	18.51	18.80	18.66	18.81	18.63	0.00	19.80	20.49	20.85	20.70	20.83	20.55	0.00	21.50
		50	24	18.51	18.80	18.66	18.81	18.59	0.00	19.80	20.49	20.71	20.68	20.83	20.61	0.00	21.50
		50	50	18.50	18.80	18.66	18.81	18.64	0.00	19.80	20.48	20.71	20.68	20.76	20.56	0.00	21.50
		100	0	18.50	18.81	18.66	18.82	18.58	0.00	19.80	20.48	20.85	20.69	20.77	20.60	0.00	21.50
	256QAM	1	0	18.00	18.75	18.70	18.56	18.75	0.30	19.50	18.18	18.79	18.82	18.61	18.73	2.00	19.50
		1	49	18.00	18.78	18.50	18.50	18.67	0.30	19.50	18.42	18.73	18.61	18.55	18.63	2.00	19.50
		1	99	18.02	18.74	18.56	18.60	18.80	0.30	19.50	18.53	18.72	18.68	18.59	18.79	2.00	19.50
		50	0	18.03	18.70	18.64	18.51	18.49	0.30	19.50	18.43	18.83	18.76	18.60	18.51	2.00	19.50
		50	24	18.00	18.78	18.61	18.51	18.49	0.30	19.50	18.49	18.80	18.72	18.57	18.56	2.00	19.50
		50	50	18.00	18.74	18.57	18.57	18.53	0.30	19.50	18.52	18.67	18.68	18.60	18.58	2.00	19.50
		100	0	18.00	18.80	18.62	18.51	18.46	0.30	19.50	18.46	18.78	18.74	18.52	18.57	2.00	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
15 MHz	QPSK	1	0	18.33	18.82	18.56	18.47	18.43	0.00	19.80	20.11	20.66	20.60	20.52	20.35	0.00	21.50
		1	37	18.67	18.70	18.47	18.48	18.38	0.00	19.80	20.32	20.51	20.48	20.44	20.35	0.00	21.50
		1	74	18.82	18.76	18.55	18.54	18.47	0.00	19.80	20.35	20.54	20.58	20.53	20.44	0.00	21.50
		36	0	18.67	18.92	18.67	18.57	18.55	0.00	19.80	20.38	20.76	20.73	20.60	20.49	0.00	21.50
		36	20	18.74	18.80	18.61	18.56	18.52	0.00	19.80	20.40	20.74	20.71	20.55	20.53	0.00	21.50
		36	39	18.85	18.77	18.62	18.63	18.55	0.00	19.80	20.43	20.60	20.68	20.57	20.55	0.00	21.50
		75	0	18.76	18.78	18.63	18.55	18.48	0.00	19.80	20.37	20.71	20.69	20.53	20.53	0.00	21.50
	16QAM	1	0	18.37	18.88	18.68	18.52	18.52	0.00	19.80	20.14	20.65	20.66	20.58	20.34	0.00	21.50
		1	37	18.69	18.81	18.62	18.52	18.48	0.00	19.80	20.45	20.56	20.56	20.53	20.34	0.00	21.50
		1	74	18.90	18.78	18.63	18.59	18.57	0.00	19.80	20.43	20.55	20.65	20.57	20.45	0.00	21.50
		36	0	18.72	18.91	18.67	18.58	18.52	0.00	19.80	20.43	20.74	20.68	20.59	20.44	0.00	21.50
		36	20	18.75	18.81	18.63	18.58	18.49	0.00	19.80	20.40	20.71	20.63	20.56	20.50	0.00	21.50
		36	39	18.83	18.77	18.62	18.64	18.54	0.00	19.80	20.46	20.56	20.59	20.60	20.46	0.00	21.50
		75	0	18.77	18.84	18.64	18.59	18.53	0.00	19.80	20.40	20.70	20.67	20.53	20.50	0.00	21.50
	64QAM	1	0	18.37	18.81	18.78	18.31	18.45	0.00	19.80	20.58	20.72	20.76	20.35	20.21	0.00	21.50
		1	37	18.37	18.80	18.79	18.35	18.40	0.00	19.80	20.57	20.73	20.74	20.34	20.18	0.00	21.50
		1	74	18.38	18.81	18.79	18.33	18.54	0.00	19.80	20.57	20.71	20.74	20.34	20.52	0.00	21.50
		36	0	18.38	18.80	18.80	18.34	18.54	0.00	19.80	20.57	20.71	20.74	20.35	20.46	0.00	21.50
		36	20	18.38	18.81	18.79	18.35	18.50	0.00	19.80	20.56	20.72	20.73	20.34	20.52	0.00	21.50
		36	39	18.37	18.80	18.79	18.34	18.56	0.00	19.80	20.56	20.71	20.75	20.34	20.51	0.00	21.50
		75	0	18.39	18.80	18.80	18.35	18.56	0.00	19.80	20.56	20.71	20.74	20.32	20.57	0.00	21.50
	256QAM	1	0	18.00	18.68	18.30	18.53	18.49	0.30	19.50	18.33	18.79	18.43	18.63	18.50	2.00	19.50
		1	37	18.00	18.82	18.19	18.50	18.51	0.30	19.50	18.44	18.73	18.29	18.60	18.46	2.00	19.50
		1	74	18.03	18.79	18.32	18.64	18.56	0.30	19.50	18.62	18.71	18.41	18.68	18.65	2.00	19.50
		36	0	18.00	18.83	18.64	18.51	18.44	0.30	19.50	18.47	18.77	18.74	18.60	18.46	2.00	19.50
		36	20	18.00	18.72	18.58	18.49	18.42	0.30	19.50	18.44	18.75	18.69	18.55	18.50	2.00	19.50
		36	39	18.04	18.69	18.55	18.54	18.48	0.30	19.50	18.49	18.60	18.66	18.59	18.48	2.00	19.50
		75	0	18.00	18.74	18.56	18.52	18.43	0.30	19.50	18.42	18.75	18.65	18.56	18.56	2.00	19.50

LTE Band 41 Power Class 3 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	18.51	18.78	18.49	18.43	18.42	0.00	19.80	20.24	20.66	20.61	20.50	20.41	0.00	21.50
		1	25	18.73	18.71	18.46	18.49	18.42	0.00	19.80	20.43	20.64	20.53	20.54	20.47	0.00	21.50
		1	49	18.82	18.67	18.53	18.51	18.42	0.00	19.80	20.41	20.59	20.52	20.53	20.40	0.00	21.50
		25	0	18.72	18.87	18.65	18.55	18.49	0.00	19.80	20.46	20.76	20.70	20.57	20.47	0.00	21.50
		25	12	18.74	18.78	18.63	18.60	18.51	0.00	19.80	20.44	20.77	20.70	20.56	20.57	0.00	21.50
		25	25	18.81	18.78	18.61	18.61	18.53	0.00	19.80	20.46	20.64	20.68	20.62	20.55	0.00	21.50
		50	0	18.73	18.82	18.63	18.56	18.48	0.00	19.80	20.38	20.73	20.69	20.56	20.55	0.00	21.50
	16QAM	1	0	18.72	18.83	18.68	18.68	18.48	0.00	19.80	20.36	20.81	20.62	20.64	20.59	0.00	21.50
		1	25	18.87	18.78	18.55	18.60	18.50	0.00	19.80	20.39	20.73	20.57	20.51	20.59	0.00	21.50
		1	49	18.81	18.78	18.53	18.69	18.48	0.00	19.80	20.51	20.68	20.57	20.57	20.65	0.00	21.50
		25	0	18.79	18.92	18.65	18.59	18.52	0.00	19.80	20.44	20.79	20.70	20.56	20.51	0.00	21.50
		25	12	18.82	18.83	18.66	18.61	18.51	0.00	19.80	20.46	20.76	20.69	20.55	20.59	0.00	21.50
		25	25	18.87	18.81	18.64	18.67	18.56	0.00	19.80	20.46	20.67	20.65	20.58	20.58	0.00	21.50
		50	0	18.78	18.81	18.67	18.61	18.51	0.00	19.80	20.45	20.78	20.67	20.56	20.58	0.00	21.50
	64QAM	1	0	18.57	18.78	18.77	18.43	18.61	0.00	19.80	20.80	20.78	20.54	20.40	20.73	0.00	21.50
		1	25	18.54	18.78	18.78	18.45	18.69	0.00	19.80	20.80	20.85	20.54	20.38	20.77	0.00	21.50
		1	49	18.53	18.78	18.76	18.45	18.69	0.00	19.80	20.80	20.72	20.55	20.37	20.82	0.00	21.50
		25	0	18.54	18.78	18.77	18.42	18.49	0.00	19.80	20.80	20.78	20.56	20.37	20.46	0.00	21.50
		25	12	18.55	18.78	18.75	18.43	18.48	0.00	19.80	20.80	20.75	20.58	20.39	20.60	0.00	21.50
		25	25	18.55	18.78	18.79	18.42	18.53	0.00	19.80	20.80	20.83	20.59	20.42	20.54	0.00	21.50
		50	0	18.54	18.77	18.75	18.42	18.51	0.00	19.80	20.80	20.75	20.54	20.40	20.52	0.00	21.50
	256QAM	1	0	18.00	18.84	18.37	18.58	18.43	0.30	19.50	18.30	18.54	18.81	18.50	18.23	2.00	19.50
		1	25	18.00	18.66	18.31	18.77	18.50	0.30	19.50	18.46	18.53	18.74	18.62	18.28	2.00	19.50
		1	49	18.00	18.68	18.31	18.71	18.47	0.30	19.50	18.49	18.40	18.72	18.54	18.31	2.00	19.50
		25	0	18.00	18.84	18.60	18.49	18.43	0.30	19.50	18.48	18.71	18.71	18.55	18.49	2.00	19.50
		25	12	18.00	18.76	18.63	18.52	18.47	0.30	19.50	18.46	18.78	18.69	18.56	18.61	2.00	19.50
		25	25	18.00	18.72	18.59	18.56	18.51	0.30	19.50	18.47	18.69	18.65	18.59	18.61	2.00	19.50
		50	0	18.00	18.72	18.53	18.53	18.44	0.30	19.50	18.45	18.74	18.73	18.56	18.51	2.00	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
5 MHz	QPSK	1	0	18.56	18.63	18.50	18.43	18.31	0.00	19.80	20.42	20.60	20.63	20.55	20.46	0.00	21.50
		1	12	18.61	18.56	18.47	18.45	18.35	0.00	19.80	20.38	20.54	20.57	20.52	20.46	0.00	21.50
		1	24	18.64	18.56	18.47	18.50	18.31	0.00	19.80	20.44	20.44	20.60	20.53	20.41	0.00	21.50
		12	0	18.63	18.78	18.58	18.50	18.44	0.00	19.80	20.45	20.70	20.66	20.54	20.56	0.00	21.50
		12	7	18.67	18.71	18.60	18.61	18.47	0.00	19.80	20.45	20.76	20.70	20.53	20.61	0.00	21.50
		12	13	18.67	18.72	18.56	18.57	18.50	0.00	19.80	20.40	20.61	20.67	20.61	20.57	0.00	21.50
		25	0	18.60	18.68	18.55	18.50	18.44	0.00	19.80	20.36	20.70	20.64	20.50	20.52	0.00	21.50
	16QAM	1	0	18.70	18.68	18.50	18.58	18.37	0.00	19.80	20.34	20.57	20.70	20.47	20.41	0.00	21.50
		1	12	18.80	18.79	18.61	18.78	18.57	0.00	19.80	20.47	20.74	20.73	20.59	20.63	0.00	21.50
		1	24	18.89	18.60	18.50	18.66	18.39	0.00	19.80	20.39	20.51	20.74	20.44	20.39	0.00	21.50
		12	0	18.77	18.79	18.59	18.58	18.45	0.00	19.80	20.43	20.73	20.74	20.49	20.53	0.00	21.50
		12	7	18.74	18.77	18.61	18.70	18.52	0.00	19.80	20.42	20.77	20.73	20.56	20.61	0.00	21.50
		12	13	18.74	18.72	18.58	18.67	18.52	0.00	19.80	20.40	20.64	20.72	20.59	20.55	0.00	21.50
		25	0	18.65	18.73	18.61	18.55	18.42	0.00	19.80	20.40	20.73	20.66	20.54	20.52	0.00	21.50
	64QAM	1	0	18.79	18.81	18.94	18.80	18.80	0.00	19.80	20.68	20.82	20.73	20.42	20.74	0.00	21.50
		1	12	18.78	18.81	18.94	18.77	18.40	0.00	19.80	20.72	20.79	20.71	20.44	20.74	0.00	21.50
		1	24	18.78	18.81	18.93	18.76	18.32	0.00	19.80	20.74	20.80	20.71	20.45	20.73	0.00	21.50
		12	0	18.78	18.81	18.93	18.78	18.51	0.00	19.80	20.44	20.79	20.71	20.44	20.75	0.00	21.50
		12	7	18.77	18.81	18.93	18.77	18.52	0.00	19.80	20.42	20.79	20.71	20.46	20.75	0.00	21.50
		12	13	18.77	18.81	18.93	18.77	18.57	0.00	19.80	20.41	20.80	20.85	20.46	20.77	0.00	21.50
		25	0	18.78	18.80	18.93	18.77	18.56	0.00	19.80	20.43	20.79	20.84	20.49	20.75	0.00	21.50
	256QAM	1	0	18.06	18.67	18.62	18.49	18.69	0.30	19.50	18.67	18.78	18.69	18.80	18.55	2.00	19.50
		1	12	18.00	18.74	18.75	18.56	18.84	0.30	19.50	18.83	18.75	18.84	18.78	18.63	2.00	19.50
		1	24	18.00	18.63	18.61	18.54	18.58	0.30	19.50	18.74	18.60	18.74	18.75	18.54	2.00	19.50
		12	0	18.00	18.77	18.53	18.44	18.40	0.30	19.50	18.41	18.74	18.66	18.53	18.50	2.00	19.50
		12	7	18.00	18.72	18.58	18.60	18.41	0.30	19.50	18.43	18.79	18.66	18.54	18.58	2.00	19.50
		12	13	18.00	18.71	18.55	18.58	18.46	0.30	19.50	18.37	18.65	18.62	18.58	18.52	2.00	19.50
		25	0	18.01	18.70	18.51	18.42	18.39	0.30	19.50	18.34	18.68	18.66	18.52	18.50	2.00	19.50

LTE Band 48 Measured Results (ANT7)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55340	55773	56207	56640	MPR	Tune-up Limit	55340	55773	56207	56640	MPR	Tune-up Limit
				3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	25.03	24.90	25.18	24.91	0.00	25.70	21.25	21.19	21.30	21.25	0.00	21.90
		1	49	25.05	25.15	25.20	25.10	0.00	25.70	21.45	21.35	21.30	21.30	0.00	21.90
		1	99	24.88	25.15	24.91	25.07	0.00	25.70	21.09	21.30	21.11	21.30	0.00	21.90
		50	0	23.95	23.98	24.13	23.97	1.00	24.70	21.40	21.24	21.33	21.28	0.00	21.90
		50	24	23.99	24.20	24.20	24.15	1.00	24.70	21.50	21.40	21.34	21.30	0.00	21.90
		50	50	23.95	24.19	24.03	24.10	1.00	24.70	21.36	21.40	21.22	21.30	0.00	21.90
		100	0	24.00	24.13	24.15	24.02	1.00	24.70	21.20	21.38	21.40	21.31	0.00	21.90
	16QAM	1	0	24.19	23.95	24.04	24.06	1.00	24.70	21.30	21.08	21.33	21.30	0.00	21.90
		1	49	23.96	23.99	23.75	24.04	1.00	24.70	21.22	21.02	21.08	21.36	0.00	21.90
		1	99	24.03	24.21	23.77	24.22	1.00	24.70	21.25	21.24	21.04	21.20	0.00	21.90
		50	0	23.02	22.97	23.15	23.02	2.00	23.70	21.23	21.25	21.35	21.29	0.00	21.90
		50	24	23.02	23.13	23.12	23.07	2.00	23.70	21.27	21.21	21.32	21.10	0.00	21.90
		50	50	23.00	23.17	23.03	23.16	2.00	23.70	21.24	21.21	21.22	21.20	0.00	21.90
		100	0	22.98	23.11	23.13	23.01	2.00	23.70	21.24	21.21	21.32	21.33	0.00	21.90
	64QAM	1	0	23.02	22.81	23.26	22.98	2.00	23.70	21.29	21.35	21.34	21.25	0.00	21.90
		1	49	23.05	22.81	23.25	22.91	2.00	23.70	21.15	21.34	21.32	21.24	0.00	21.90
		1	99	23.05	22.82	23.25	23.13	2.00	23.70	21.21	21.37	21.33	21.25	0.00	21.90
		50	0	22.36	22.11	22.50	22.02	3.00	22.70	21.27	21.36	21.33	21.25	0.00	21.90
		50	24	22.35	22.11	22.49	22.05	3.00	22.70	21.27	21.36	21.33	21.24	0.00	21.90
		50	50	22.36	22.11	22.49	22.14	3.00	22.70	21.24	21.35	21.33	21.24	0.00	21.90
		100	0	22.36	22.12	22.50	22.05	3.00	22.70	21.28	21.36	21.33	21.25	0.00	21.90
	256QAM	1	0	20.25	19.93	20.15	20.24	5.00	20.70	20.07	19.77	19.98	19.96	1.20	20.70
		1	49	20.13	20.09	19.97	20.27	5.00	20.70	19.97	19.87	19.79	20.01	1.20	20.70
		1	99	20.16	20.29	19.94	20.46	5.00	20.70	20.01	20.10	19.72	20.18	1.20	20.70
		50	0	19.93	20.00	20.04	19.97	5.00	20.70	19.73	19.80	19.87	19.79	1.20	20.70
		50	24	19.95	20.15	20.05	20.00	5.00	20.70	19.77	19.98	19.87	19.75	1.20	20.70
		50	50	19.92	20.20	19.95	20.13	5.00	20.70	19.75	20.02	19.79	19.85	1.20	20.70
		100	0	19.94	20.16	20.04	20.00	5.00	20.70	19.77	19.95	19.86	19.72	1.20	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315	55765	56215	56665	MPR	Tune-up Limit	55315	55765	56215	56665	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	24.93	24.82	24.99	24.92	0.00	25.70	21.17	21.08	21.21	21.25	0.00	21.90
		1	37	24.83	24.90	24.81	24.90	0.00	25.70	21.02	21.11	21.10	21.27	0.00	21.90
		1	74	24.87	25.11	24.84	25.07	0.00	25.70	21.11	21.34	21.08	21.43	0.00	21.90
		36	0	24.04	23.96	24.06	24.01	1.00	24.70	21.27	21.25	21.30	21.32	0.00	21.90
		36	20	23.99	24.08	24.08	24.12	1.00	24.70	21.23	21.35	21.29	21.41	0.00	21.90
		36	39	23.97	24.12	24.01	24.12	1.00	24.70	21.15	21.39	21.22	21.45	0.00	21.90
		75	0	23.96	24.10	24.05	24.10	1.00	24.70	21.19	21.34	21.28	21.39	0.00	21.90
	16QAM	1	0	24.02	23.86	24.05	24.01	1.00	24.70	21.30	21.16	21.30	21.38	0.00	21.90
		1	37	23.88	23.95	23.95	24.09	1.00	24.70	21.24	21.25	21.16	21.44	0.00	21.90
		1	74	23.91	24.12	23.91	24.18	1.00	24.70	21.23	21.45	21.15	21.45	0.00	21.90
		36	0	23.08	22.96	23.04	23.05	2.00	23.70	21.34	21.21	21.28	21.34	0.00	21.90
		36	20	23.03	23.06	23.07	23.14	2.00	23.70	21.27	21.34	21.31	21.41	0.00	21.90
		36	39	22.97	23.08	22.98	23.16	2.00	23.70	21.22	21.35	21.21	21.44	0.00	21.90
		75	0	22.99	23.09	23.09	23.14	2.00	23.70	21.24	21.36	21.30	21.44	0.00	21.90
	64QAM	1	0	22.90	22.90	22.90	22.86	2.00	23.70	21.10	20.99	21.44	21.21	0.00	21.90
		1	37	22.90	22.90	22.89	22.89	2.00	23.70	20.99	21.00	21.44	21.20	0.00	21.90
		1	74	22.90	22.90	22.89	23.10	2.00	23.70	21.07	21.00	21.44	21.20	0.00	21.90
		36	0	22.47	22.48	22.49	22.06	3.00	22.70	21.27	21.00	21.43	21.21	0.00	21.90
		36	20	22.49	22.49	22.49	22.14	3.00	22.70	21.23	20.99	21.43	21.19	0.00	21.90
		36	39	22.49	22.49	22.50	22.14	3.00	22.70	21.18	21.01	21.43	21.20	0.00	21.90
		75	0	22.49	22.48	22.48	22.18	3.00	22.70	21.29	21.00	21.43	21.21	0.00	21.90
	256QAM	1	0	20.01	20.00	20.10	20.06	5.00	20.70	19.81	19.77	19.77	19.77	1.20	20.70
		1	37	19.96	19.71	19.99	20.11	5.00	20.70	19.76	19.86	19.77	19.83	1.20	20.70
		1	74	20.01	19.89	19.99	20.26	5.00	20.70	19.81	20.07	19.74	19.98	1.20	20.70
		36	0	19.97	19.99	20.05	20.01	5.00	20.70	19.81	19.80	19.87	19.71	1.20	20.70
		36	20	19.94	20.11	20.05	20.08	5.00	20.70	19.76	19.92	19.87	19.80	1.20	20.70
		36	39	19.88	20.15	19.98	20.10	5.00	20.70	19.79	19.96	19.80	19.80	1.20	20.70
		75	0	19.95	20.07	20.05	20.13	5.00	20.70	19.79	19.94	19.84	19.86	1.20	20.70

Notes:

LTE Band 48 Low and high channels were tested using the maximum tune-up limit. This is for testing purpose only. For device placing to the market would follow the tune up procedure.

LTE Band 48 Measured Results (ANT7) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55290	55757	56223	56690	MPR	Tune-up Limit	55290	55757	56223	56690	MPR	Tune-up Limit
				3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz			3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz		
10 MHz	QPSK	1	0	24.92	24.84	24.95	24.94	0.00	25.70	21.28	21.10	21.22	21.28	0.00	21.90
		1	25	24.85	24.85	24.83	24.96	0.00	25.70	21.14	21.20	21.15	21.27	0.00	21.90
		1	49	24.88	25.06	24.84	25.05	0.00	25.70	21.08	21.31	21.13	21.45	0.00	21.90
		25	0	24.08	24.11	24.00	24.06	1.00	24.70	21.30	21.36	21.29	21.38	0.00	21.90
		25	12	24.08	24.16	23.96	24.12	1.00	24.70	21.30	21.39	21.30	21.44	0.00	21.90
		25	25	24.01	24.16	24.03	24.17	1.00	24.70	21.27	21.41	21.26	21.48	0.00	21.90
		50	0	24.04	24.13	23.96	24.09	1.00	24.70	21.28	21.39	21.25	21.42	0.00	21.90
	16QAM	1	0	24.10	23.97	24.03	24.13	1.00	24.70	21.35	21.25	21.33	21.48	0.00	21.90
		1	25	24.01	23.95	23.89	24.15	1.00	24.70	21.25	21.31	21.12	21.48	0.00	21.90
		1	49	24.01	24.16	23.93	24.20	1.00	24.70	21.36	21.43	21.13	21.46	0.00	21.90
		25	0	23.15	23.11	23.04	23.09	2.00	23.70	21.38	21.38	21.28	21.41	0.00	21.90
		25	12	23.14	23.17	23.04	23.16	2.00	23.70	21.34	21.43	21.24	21.49	0.00	21.90
		25	25	23.10	23.17	23.07	23.21	2.00	23.70	21.28	21.44	21.30	21.44	0.00	21.90
		50	0	23.12	23.16	23.01	23.12	2.00	23.70	21.34	21.42	21.22	21.47	0.00	21.90
	64QAM	1	0	22.78	23.05	22.87	23.15	2.00	23.70	21.40	21.07	21.41	21.08	0.00	21.90
		1	25	22.77	22.98	22.86	23.18	2.00	23.70	21.33	21.05	21.48	21.08	0.00	21.90
		1	49	22.77	22.99	22.86	23.30	2.00	23.70	21.36	21.07	21.47	21.08	0.00	21.90
		25	0	22.30	22.50	22.39	22.04	3.00	22.70	21.26	21.10	21.37	21.08	0.00	21.90
		25	12	22.32	22.49	22.39	22.08	3.00	22.70	21.25	21.11	21.36	21.08	0.00	21.90
		25	25	22.32	22.50	22.39	22.13	3.00	22.70	21.21	21.08	21.37	21.07	0.00	21.90
		50	0	22.29	22.50	22.38	22.10	3.00	22.70	21.29	21.09	21.46	21.05	0.00	21.90
	256QAM	1	0	19.92	20.00	20.20	20.09	5.00	20.70	19.76	19.93	19.79	19.73	1.20	20.70
		1	25	19.89	19.73	20.18	20.19	5.00	20.70	19.76	19.92	19.71	19.81	1.20	20.70
		1	49	19.88	19.86	20.09	20.19	5.00	20.70	19.79	20.08	19.70	19.84	1.20	20.70
		25	0	19.99	20.09	19.96	20.09	5.00	20.70	19.84	19.85	19.80	19.77	1.20	20.70
		25	12	19.99	20.11	19.94	20.12	5.00	20.70	19.83	19.94	19.76	19.80	1.20	20.70
		25	25	19.96	20.16	19.97	20.19	5.00	20.70	19.80	19.92	19.79	19.89	1.20	20.70
		50	0	19.97	20.04	20.01	20.12	5.00	20.70	19.81	19.96	19.77	19.77	1.20	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55265	55748	56232	56715	MPR	Tune-up Limit	55265	55748	56232	56715	MPR	Tune-up Limit
				3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz			3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz		
5 MHz	QPSK	1	0	24.91	24.90	24.97	25.01	0.00	25.70	21.20	21.22	21.08	21.35	0.00	21.90
		1	12	24.82	24.86	24.82	24.98	0.00	25.70	21.15	21.15	21.05	21.33	0.00	21.90
		1	24	24.89	24.89	24.91	25.06	0.00	25.70	21.25	21.31	21.05	21.44	0.00	21.90
		12	0	24.05	23.97	23.93	24.14	1.00	24.70	21.34	21.23	21.18	21.46	0.00	21.90
		12	7	24.07	24.06	23.99	24.18	1.00	24.70	21.31	21.33	21.25	21.48	0.00	21.90
		12	13	24.03	24.09	23.97	24.14	1.00	24.70	21.27	21.34	21.23	21.48	0.00	21.90
		25	0	24.04	24.04	23.89	24.13	1.00	24.70	21.28	21.31	21.19	21.45	0.00	21.90
	16QAM	1	0	24.07	23.84	23.92	24.18	1.00	24.70	21.37	21.20	21.12	21.39	0.00	21.90
		1	12	24.13	24.02	23.90	24.27	1.00	24.70	21.48	21.28	21.08	21.50	0.00	21.90
		1	24	24.05	23.94	23.86	24.22	1.00	24.70	21.38	21.30	21.09	21.45	0.00	21.90
		12	0	23.20	22.98	22.92	23.20	2.00	23.70	21.45	21.20	21.20	21.42	0.00	21.90
		12	7	23.12	23.08	22.98	23.19	2.00	23.70	21.40	21.31	21.26	21.45	0.00	21.90
		12	13	23.13	23.08	22.94	23.22	2.00	23.70	21.40	21.31	21.19	21.45	0.00	21.90
		25	0	23.07	23.05	22.93	23.15	2.00	23.70	21.35	21.37	21.14	21.38	0.00	21.90
	64QAM	1	0	23.16	23.19	22.78	23.26	2.00	23.70	21.04	21.42	21.32	21.36	0.00	21.90
		1	12	23.15	23.19	22.79	23.18	2.00	23.70	21.07	21.42	21.32	21.33	0.00	21.90
		1	24	23.14	23.18	22.78	23.26	2.00	23.70	21.07	21.41	21.34	21.35	0.00	21.90
		12	0	22.36	22.37	22.01	22.04	3.00	22.70	21.39	21.41	21.35	21.34	0.00	21.90
		12	7	22.34	22.37	22.00	22.08	3.00	22.70	21.35	21.41	21.35	21.34	0.00	21.90
		12	13	22.34	22.38	21.98	22.07	3.00	22.70	21.33	21.41	21.32	21.34	0.00	21.90
		25	0	22.35	22.38	22.00	22.05	3.00	22.70	21.45	21.44	21.33	21.34	0.00	21.90
	256QAM	1	0	20.02	20.04	20.19	20.20	5.00	20.70	20.14	19.79	19.75	20.23	1.20	20.70
		1	12	20.12	20.12	20.23	20.30	5.00	20.70	20.17	19.86	19.91	20.18	1.20	20.70
		1	24	20.02	20.18	20.28	20.28	5.00	20.70	20.22	19.89	19.77	20.30	1.20	20.70
		12	0	19.99	20.00	19.83	20.15	5.00	20.70	19.83	19.70	19.70	19.90	1.20	20.70
		12	7	20.01	20.11	19.92	20.18	5.00	20.70	19.88	19.85	19.75	19.89	1.20	20.70
		12	13	19.97	20.09	19.92	20.17	5.00	20.70	19.83	19.84	19.71	19.90	1.20	20.70
		25	0	19.97	20.04	19.84	20.14	5.00	20.70	19.86	19.78	19.70	19.89	1.20	20.70

Notes:

LTE Band 48 Low and high channels were tested using the maximum tune-up limit. This is for testing purpose only. For device placing to the market would follow the tune up procedure.

LTE Band 48 Measured Results (ANT8)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55340	55773	56207	56640	MPR	Tune-up Limit	55340	55773	56207	56640	MPR	Tune-up Limit
				3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	21.00	21.08	21.19	21.13	0.00	21.50	22.72	22.50	22.71	22.77	0.00	23.00
		1	49	21.05	21.13	21.20	21.15	0.00	21.50	22.75	22.55	22.80	22.80	0.00	23.00
		1	99	20.99	21.12	21.16	20.97	0.00	21.50	22.70	22.52	22.73	22.64	0.00	23.00
		50	0	20.99	21.10	21.12	21.09	0.00	21.50	21.47	21.33	21.48	21.51	1.00	22.00
		50	24	21.20	21.18	21.20	21.12	0.00	21.50	21.56	21.39	21.56	21.56	1.00	22.00
		50	50	21.08	21.18	21.19	21.07	0.00	21.50	21.55	21.39	21.51	21.52	1.00	22.00
		100	0	21.07	21.19	21.20	21.11	0.00	21.50	21.55	21.41	21.53	21.55	1.00	22.00
	16QAM	1	0	21.15	21.13	21.06	21.19	0.00	21.50	21.58	21.51	21.53	21.70	1.00	22.00
		1	49	21.04	21.08	20.92	21.17	0.00	21.50	21.76	21.47	21.43	21.77	1.00	22.00
		1	99	21.14	21.16	21.03	21.15	0.00	21.50	21.75	21.60	21.54	21.79	1.00	22.00
		50	0	20.12	20.18	20.28	20.22	0.50	21.00	20.74	20.53	20.71	20.75	2.00	21.00
		50	24	20.22	20.25	20.27	20.25	0.50	21.00	20.62	20.59	20.70	20.80	2.00	21.00
		50	50	20.21	20.26	20.32	20.23	0.50	21.00	20.79	20.60	20.75	20.76	2.00	21.00
		100	0	20.18	20.28	20.27	20.25	0.50	21.00	20.78	20.59	20.67	20.75	2.00	21.00
	64QAM	1	0	19.84	20.32	20.09	20.18	0.50	21.00	20.65	20.80	20.74	20.67	2.00	21.00
		1	49	19.81	20.28	20.07	20.11	0.50	21.00	20.65	20.80	20.74	20.59	2.00	21.00
		1	99	19.90	20.40	20.14	20.14	0.50	21.00	20.65	20.61	20.75	20.63	2.00	21.00
		50	0	18.93	18.98	19.12	19.18	1.50	20.00	19.67	19.61	19.75	19.73	3.00	20.00
		50	24	19.00	19.07	19.20	19.15	1.50	20.00	19.68	19.68	19.72	19.78	3.00	20.00
		50	50	19.00	19.08	19.19	19.19	1.50	20.00	19.69	19.67	19.72	19.73	3.00	20.00
		100	0	18.99	19.05	19.19	19.14	1.50	20.00	19.68	19.69	19.74	19.75	3.00	20.00
	256QAM	1	0	16.99	17.04	17.43	17.46	3.50	18.00	17.76	17.73	17.73	17.80	5.00	18.00
		1	49	16.96	17.02	17.40	17.41	3.50	18.00	17.73	17.69	17.64	17.70	5.00	18.00
		1	99	17.08	17.12	17.46	17.43	3.50	18.00	17.80	17.77	17.80	17.74	5.00	18.00
		50	0	16.94	16.98	17.10	17.19	3.50	18.00	17.74	17.65	17.47	17.73	5.00	18.00
		50	24	17.02	17.10	17.20	17.14	3.50	18.00	17.80	17.74	17.45	17.78	5.00	18.00
		50	50	17.03	17.07	17.21	17.21	3.50	18.00	17.79	17.76	17.51	17.73	5.00	18.00
		100	0	17.05	17.08	17.18	17.13	3.50	18.00	17.80	17.74	17.44	17.74	5.00	18.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315	55765	56215	56665	MPR	Tune-up Limit	55315	55765	56215	56665	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	20.90	20.93	21.04	21.01	0.00	21.50	22.65	22.34	22.59	22.65	0.00	23.00
		1	37	20.90	20.94	20.95	20.96	0.00	21.50	22.60	22.36	22.55	22.60	0.00	23.00
		1	74	20.99	21.04	21.10	21.00	0.00	21.50	22.68	22.45	22.63	22.63	0.00	23.00
		36	0	20.99	21.08	21.12	21.07	0.00	21.50	21.70	21.47	21.65	21.71	1.00	22.00
		36	20	21.05	21.16	21.11	21.09	0.00	21.50	21.74	21.55	21.65	21.76	1.00	22.00
		36	39	21.04	21.16	21.16	21.05	0.00	21.50	21.74	21.53	21.70	21.71	1.00	22.00
		75	0	21.03	21.16	21.09	21.06	0.00	21.50	21.72	21.56	21.63	21.71	1.00	22.00
	16QAM	1	0	20.99	21.03	21.11	21.10	0.00	21.50	21.78	21.41	21.64	21.78	1.00	22.00
		1	37	21.03	21.03	21.10	21.09	0.00	21.50	21.76	21.43	21.63	21.74	1.00	22.00
		1	74	21.05	21.12	21.20	21.08	0.00	21.50	21.80	21.49	21.73	21.77	1.00	22.00
		36	0	20.11	20.18	20.21	20.17	0.50	21.00	20.72	20.46	20.64	20.71	2.00	21.00
		36	20	20.16	20.26	20.22	20.21	0.50	21.00	20.76	20.53	20.64	20.74	2.00	21.00
		36	39	20.16	20.22	20.23	20.18	0.50	21.00	20.75	20.53	20.68	20.72	2.00	21.00
		75	0	20.16	20.26	20.23	20.22	0.50	21.00	20.75	20.52	20.64	20.72	2.00	21.00
	64QAM	1	0	19.78	19.79	20.31	20.36	0.50	21.00	20.78	20.70	20.60	20.68	2.00	21.00
		1	37	19.77	19.76	20.31	20.31	0.50	21.00	20.77	20.70	20.63	20.59	2.00	21.00
		1	74	19.82	19.93	20.43	20.41	0.50	21.00	20.75	20.70	20.62	20.70	2.00	21.00
		36	0	18.81	18.92	19.18	19.21	1.50	20.00	19.74	19.71	19.61	19.79	3.00	20.00
		36	20	18.88	18.95	19.17	19.17	1.50	20.00	19.74	19.72	19.59	19.80	3.00	20.00
		36	39	18.88	18.98	19.25	19.22	1.50	20.00	19.73	19.72	19.59	19.75	3.00	20.00
		75	0	18.93	19.04	19.11	19.13	1.50	20.00	19.72	19.71	19.59	19.76	3.00	20.00
	256QAM	1	0	16.89	17.00	16.80	16.86	3.50	18.00	17.79	17.29	17.75	17.75	5.00	18.00
		1	37	16.92	17.03	16.88	16.86	3.50	18.00	17.75	17.31	17.73	17.74	5.00	18.00
		1	74	17.05	17.10	16.94	16.90	3.50	18.00	17.80	17.45	17.80	17.80	5.00	18.00
		36	0	16.83	16.93	17.17	17.18	3.50	18.00	17.67	17.65	17.72	17.65	5.00	18.00
		36	20	16.91	17.02	17.16	17.18	3.50	18.00	17.75	17.68	17.71	17.72	5.00	18.00
		36	39	16.89	16.98	17.23	17.20	3.50	18.00	17.73	17.69	17.77	17.68	5.00	18.00
		75	0	16.96	17.06	17.11	17.13	3.50	18.00	17.78	17.68	17.69	17.75	5.00	18.00

Notes:

LTE Band 48 Low and high channels were tested using the maximum tune-up limit. This is for testing purpose only. For device placing to the market would follow the tune up procedure.

LTE Band 48 Measured Results (ANT8) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55290	55757	56223	56690	MPR	Tune-up Limit	55290	55757	56223	56690	MPR	Tune-up Limit
				3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz			3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz		
10 MHz	QPSK	1	0	20.87	20.97	21.03	21.00	0.00	21.50	22.57	22.45	22.60	22.67	0.00	23.00
		1	25	20.85	20.92	20.98	20.90	0.00	21.50	22.61	22.38	22.58	22.57	0.00	23.00
		1	49	20.92	21.00	21.04	20.94	0.00	21.50	22.67	22.42	22.63	22.59	0.00	23.00
		25	0	20.96	21.18	21.12	21.03	0.00	21.50	21.68	21.59	21.65	21.74	1.00	22.00
		25	12	21.08	21.18	21.11	21.01	0.00	21.50	21.80	21.60	21.66	21.73	1.00	22.00
		25	25	21.02	21.14	21.19	21.07	0.00	21.50	21.73	21.58	21.71	21.77	1.00	22.00
		50	0	21.03	21.15	21.08	20.98	0.00	21.50	21.74	21.57	21.67	21.69	1.00	22.00
	16QAM	1	0	21.07	21.07	21.18	21.18	0.00	21.50	21.78	21.49	21.70	21.80	1.00	22.00
		1	25	21.03	21.01	21.07	21.08	0.00	21.50	21.72	21.45	21.65	21.70	1.00	22.00
		1	49	21.14	21.10	21.18	21.11	0.00	21.50	21.80	21.53	21.69	21.80	1.00	22.00
		25	0	20.11	20.27	20.24	20.19	0.50	21.00	20.71	20.55	20.67	20.74	2.00	21.00
		25	12	20.22	20.27	20.23	20.21	0.50	21.00	20.80	20.62	20.68	20.76	2.00	21.00
		25	25	20.20	20.25	20.30	20.22	0.50	21.00	20.76	20.55	20.77	20.72	2.00	21.00
		50	0	20.18	20.24	20.22	20.16	0.50	21.00	20.79	20.60	20.69	20.73	2.00	21.00
	64QAM	1	0	19.92	20.16	20.32	20.18	0.50	21.00	20.49	20.64	20.62	20.64	2.00	21.00
		1	25	19.91	20.19	20.33	20.18	0.50	21.00	20.49	20.71	20.62	20.64	2.00	21.00
		1	49	19.97	20.29	20.45	20.21	0.50	21.00	20.50	20.67	20.63	20.72	2.00	21.00
		25	0	18.73	19.03	19.11	19.05	1.50	20.00	19.51	19.62	19.70	19.74	3.00	20.00
		25	12	18.83	19.08	19.19	19.02	1.50	20.00	19.50	19.64	19.74	19.69	3.00	20.00
		25	25	18.81	19.02	19.19	19.08	1.50	20.00	19.51	19.74	19.70	19.76	3.00	20.00
		50	0	18.88	19.00	19.09	19.07	1.50	20.00	19.53	19.67	19.70	19.77	3.00	20.00
	256QAM	1	0	16.81	16.74	16.90	17.08	3.50	18.00	17.67	17.35	17.72	17.80	5.00	18.00
		1	25	16.86	16.77	16.91	17.13	3.50	18.00	17.70	17.37	17.77	17.74	5.00	18.00
		1	49	16.84	16.80	16.95	17.08	3.50	18.00	17.68	17.42	17.75	17.78	5.00	18.00
		25	0	16.82	17.09	17.17	17.09	3.50	18.00	17.66	17.68	17.77	17.73	5.00	18.00
		25	12	16.90	17.14	17.17	17.10	3.50	18.00	17.77	17.71	17.79	17.75	5.00	18.00
		25	25	16.87	17.10	17.26	17.14	3.50	18.00	17.77	17.72	17.76	17.78	5.00	18.00
		50	0	16.89	17.03	17.10	17.09	3.50	18.00	17.76	17.64	17.79	17.74	5.00	18.00
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55265	55748	56232	56715	MPR	Tune-up Limit	55265	55748	56232	56715	MPR	Tune-up Limit
				3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz			3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz		
5 MHz	QPSK	1	0	20.87	20.91	21.15	20.96	0.00	21.50	22.59	22.42	22.68	22.63	0.00	23.00
		1	12	20.83	20.93	20.98	20.88	0.00	21.50	22.57	22.36	22.57	22.57	0.00	23.00
		1	24	20.98	20.93	21.14	20.94	0.00	21.50	22.64	22.44	22.67	22.61	0.00	23.00
		12	0	20.99	21.07	21.18	21.07	0.00	21.50	21.73	21.54	21.67	21.76	1.00	22.00
		12	7	21.03	21.10	21.17	21.05	0.00	21.50	21.75	21.56	21.69	21.79	1.00	22.00
		12	13	21.01	21.12	21.17	21.03	0.00	21.50	21.71	21.54	21.68	21.75	1.00	22.00
		25	0	20.98	21.09	21.17	21.01	0.00	21.50	21.69	21.51	21.70	21.73	1.00	22.00
	16QAM	1	0	21.05	20.96	21.12	21.15	0.00	21.50	21.74	21.37	21.65	21.79	1.00	22.00
		1	12	21.15	21.10	21.12	21.20	0.00	21.50	21.80	21.55	21.64	21.80	1.00	22.00
		1	24	21.10	21.00	21.13	21.13	0.00	21.50	21.77	21.42	21.65	21.79	1.00	22.00
		12	0	20.17	20.21	20.27	20.28	0.50	21.00	20.78	20.52	20.69	20.80	2.00	21.00
		12	7	20.14	20.22	20.26	20.23	0.50	21.00	20.75	20.57	20.68	20.78	2.00	21.00
		12	13	20.18	20.21	20.23	20.25	0.50	21.00	20.77	20.55	20.66	20.80	2.00	21.00
		25	0	20.12	20.23	20.30	20.19	0.50	21.00	20.73	20.54	20.73	20.76	2.00	21.00
	64QAM	1	0	19.73	19.97	20.15	19.84	0.50	21.00	20.77	20.78	20.76	20.73	2.00	21.00
		1	12	19.78	19.93	20.11	19.82	0.50	21.00	20.73	20.77	20.76	20.59	2.00	21.00
		1	24	19.72	20.03	20.20	19.85	0.50	21.00	20.76	20.77	20.76	20.72	2.00	21.00
		12	0	18.88	18.89	19.01	19.15	1.50	20.00	19.73	19.77	19.78	19.74	3.00	20.00
		12	7	18.88	18.91	19.07	19.15	1.50	20.00	19.78	19.77	19.78	19.73	3.00	20.00
		12	13	18.88	18.87	19.04	19.15	1.50	20.00	19.78	19.79	19.77	19.70	3.00	20.00
		25	0	18.94	18.88	19.05	19.21	1.50	20.00	19.78	19.80	19.77	19.70	3.00	20.00
	256QAM	1	0	17.14	16.95	17.14	17.48	3.50	18.00	17.74	17.61	17.75	17.50	5.00	18.00
		1	12	17.16	17.10	17.29	17.43	3.50	18.00	17.69	17.68	17.70	17.56	5.00	18.00
		1	24	17.27	17.06	17.20	17.52	3.50	18.00	17.80	17.69	17.79	17.47	5.00	18.00
		12	0	16.84	16.95	17.05	17.14	3.50	18.00	17.71	17.61	17.80	17.78	5.00	18.00
		12	7	16.91	16.93	17.12	17.14	3.50	18.00	17.72	17.66	17.71	17.70	5.00	18.00
		12	13	16.87	16.97	17.12	17.09	3.50	18.00	17.73	17.63	17.76	17.76	5.00	18.00
		25	0	16.88	16.96	17.13	17.15	3.50	18.00	17.71	17.59	17.80	17.75	5.00	18.00

Notes:

LTE Band 48 Low and high channels were tested using the maximum tune-up limit. This is for testing purpose only. For device placing to the market would follow the tune up procedure.

LTE Band 48 Measured Results (ANT9)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55340.00	55773.00	56207.00	56640.00	MPR	Tune-up Limit	55340.00	55773.00	56207.00	56640.00	MPR	Tune-up Limit
				3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	24.29	24.23	24.24	24.34	0.00	25.20	21.45	21.34	21.31	21.23	0.00	22.10
		1	49	24.42	24.39	24.42	24.34	0.00	25.20	21.45	21.34	21.45	21.25	0.00	22.10
		1	99	24.23	24.27	24.32	24.23	0.00	25.20	21.48	21.34	21.36	21.21	0.00	22.10
		50	0	23.77	23.70	23.74	23.73	0.50	24.70	21.54	21.40	21.50	21.15	0.00	22.10
		50	24	23.83	23.76	23.83	23.78	0.50	24.70	21.75	21.43	21.54	21.19	0.00	22.10
		50	50	23.81	23.74	23.78	23.71	0.50	24.70	21.50	21.43	21.52	21.11	0.00	22.10
		100	0	23.84	23.75	23.85	23.75	0.50	24.70	21.50	21.42	21.53	21.20	0.00	22.10
	16QAM	1	0	23.72	23.63	23.54	23.51	0.50	24.70	21.21	21.27	21.24	21.21	0.00	22.10
		1	49	23.60	23.58	23.52	23.53	0.50	24.70	21.31	21.27	21.30	21.23	0.00	22.10
		1	99	23.70	23.61	23.58	23.57	0.50	24.70	21.23	21.27	21.29	21.19	0.00	22.10
		50	0	22.91	22.85	22.73	22.59	1.50	23.70	21.20	21.33	21.43	21.13	0.00	22.10
		50	24	22.98	22.92	22.80	22.66	1.50	23.70	21.28	21.36	21.47	21.17	0.00	22.10
		50	50	22.98	22.88	22.76	22.59	1.50	23.70	21.24	21.36	21.45	21.10	0.00	22.10
		100	0	22.97	22.87	22.80	22.64	1.50	23.70	21.58	21.35	21.46	21.18	0.00	22.10
	64QAM	1	0	22.76	22.82	22.83	22.75	1.50	23.70	21.19	21.25	21.22	21.21	0.00	22.10
		1	49	22.75	22.68	22.74	22.67	1.50	23.70	21.29	21.25	21.28	21.24	0.00	22.10
		1	99	22.81	22.83	22.81	22.59	1.50	23.70	21.21	21.25	21.27	21.24	0.00	22.10
		50	0	21.93	21.86	21.84	21.70	2.50	22.70	21.45	21.31	21.41	21.12	0.00	22.10
		50	24	21.91	21.93	21.90	21.76	2.50	22.70	21.46	21.34	21.45	21.14	0.00	22.10
		50	50	21.98	21.91	21.89	21.73	2.50	22.70	21.42	21.34	21.43	21.14	0.00	22.10
		100	0	21.97	21.92	21.90	21.74	2.50	22.70	21.26	21.33	21.44	21.20	0.00	22.10
	256QAM	1	0	20.00	19.94	19.91	19.94	4.50	20.70	20.37	20.04	20.31	19.70	1.40	20.70
		1	49	19.95	19.97	19.98	19.90	4.50	20.70	20.32	20.02	20.13	19.55	1.40	20.70
		1	99	19.99	19.96	19.95	19.95	4.50	20.70	20.35	20.14	20.07	19.63	1.40	20.70
		50	0	19.93	19.83	19.79	19.68	4.50	20.70	20.17	20.07	20.24	19.69	1.40	20.70
		50	24	19.97	19.88	19.87	19.73	4.50	20.70	20.14	20.11	20.17	19.40	1.40	20.70
		50	50	19.98	19.86	19.84	19.68	4.50	20.70	20.10	20.08	20.10	19.47	1.40	20.70
		100	0	20.00	19.86	19.84	19.70	4.50	20.70	20.14	20.09	20.18	19.53	1.40	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315.00	55765.00	56215.00	56665.00	MPR	Tune-up Limit	55315.00	55765.00	56215.00	56665.00	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	24.05	24.15	24.08	24.08	0.00	25.20	21.26	21.32	21.29	21.21	0.00	22.10
		1	37	24.03	24.13	24.09	24.01	0.00	25.20	21.36	21.32	21.35	21.23	0.00	22.10
		1	74	24.08	24.04	24.00	24.07	0.00	25.20	21.28	21.32	21.34	21.19	0.00	22.10
		36	0	23.60	23.56	23.54	23.50	0.50	24.70	21.42	21.38	21.48	21.13	0.00	22.10
		36	20	23.57	23.55	23.50	23.56	0.50	24.70	21.43	21.41	21.52	21.17	0.00	22.10
		36	39	23.54	23.52	23.57	23.53	0.50	24.70	21.49	21.41	21.50	21.10	0.00	22.10
		75	0	23.54	23.52	23.59	23.54	0.50	24.70	21.33	21.40	21.51	21.18	0.00	22.10
	16QAM	1	0	23.57	23.50	23.54	23.53	0.50	24.70	21.19	21.25	21.22	21.19	0.00	22.10
		1	37	23.59	23.56	23.53	23.56	0.50	24.70	21.29	21.25	21.28	21.21	0.00	22.10
		1	74	23.52	23.63	23.60	23.59	0.50	24.70	21.21	21.25	21.27	21.17	0.00	22.10
		36	0	22.97	22.85	22.72	22.57	1.50	23.70	21.45	21.31	21.41	21.11	0.00	22.10
		36	20	22.91	22.84	22.80	22.53	1.50	23.70	21.46	21.34	21.45	21.15	0.00	22.10
		36	39	22.90	22.78	22.77	22.52	1.50	23.70	21.42	21.34	21.43	21.10	0.00	22.10
		75	0	22.90	22.83	22.77	22.55	1.50	23.70	21.26	21.33	21.44	21.16	0.00	22.10
	64QAM	1	0	22.57	22.56	22.61	22.51	1.50	23.70	21.17	21.23	21.20	21.19	0.00	22.10
		1	37	22.56	22.54	22.57	22.67	1.50	23.70	21.27	21.23	21.26	21.22	0.00	22.10
		1	74	22.67	22.66	22.71	22.53	1.50	23.70	21.19	21.23	21.25	21.22	0.00	22.10
		36	0	21.92	21.80	21.76	21.64	2.50	22.70	21.43	21.29	21.39	21.10	0.00	22.10
		36	20	21.91	21.78	21.85	21.60	2.50	22.70	21.44	21.32	21.43	21.12	0.00	22.10
		36	39	21.96	21.77	21.79	21.55	2.50	22.70	21.40	21.32	21.41	21.12	0.00	22.10
		75	0	21.95	21.83	21.88	21.63	2.50	22.70	21.24	21.31	21.42	21.18	0.00	22.10
	256QAM	1	0	19.90	19.81	19.84	19.71	4.50	20.70	20.10	20.10	19.92	19.48	1.40	20.70
		1	37	19.92	19.83	19.82	19.68	4.50	20.70	20.03	20.00	19.81	19.44	1.40	20.70
		1	74	19.95	19.91	19.93	19.74	4.50	20.70	20.09	20.08	19.78	19.45	1.40	20.70
		36	0	19.99	19.82	19.76	19.63	4.50	20.70	20.04	20.09	20.06	19.40	1.40	20.70
		36	20	19.97	19.80	19.79	19.59	4.50	20.70	20.00	20.09	19.99	19.52	1.40	20.70
		36	39	19.97	19.74	19.78	19.54	4.50	20.70	19.97	20.07	19.94	19.48	1.40	20.70
		75	0	19.96	19.86	19.87	19.62	4.50	20.70	20.04	20.09	19.92	19.59	1.40	20.70

Notes:

LTE Band 48 Low and high channels were tested using the maximum tune-up limit. This is for testing purpose only. For device placing to the market would follow the tune up procedure.

LTE Band 48 Measured Results (ANT9) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				MPR	Tune-up Limit	Power Mode B (dBm)				MPR	Tune-up Limit
				55290.00	55757.00	56223.00	56690.00			55290.00	55757.00	56223.00	56690.00		
				3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz			3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz		
10 MHz	QPSK	1	0	24.15	24.04	24.01	24.11	0.00	25.20	21.39	21.21	21.35	21.13	0.00	22.10
		1	25	24.12	24.06	24.02	24.00	0.00	25.20	21.35	21.14	21.29	21.17	0.00	22.10
		1	49	24.13	24.01	24.05	24.04	0.00	25.20	21.35	21.19	21.24	21.22	0.00	22.10
		25	0	23.58	23.66	23.54	23.50	0.50	24.70	21.25	21.31	21.46	21.14	0.00	22.10
		25	12	23.59	23.50	23.57	23.58	0.50	24.70	21.30	21.35	21.47	21.21	0.00	22.10
		25	25	23.54	23.66	23.64	23.52	0.50	24.70	21.25	21.35	21.41	21.14	0.00	22.10
		50	0	23.56	23.67	23.63	23.67	0.50	24.70	21.24	21.31	21.42	21.18	0.00	22.10
	16QAM	1	0	23.57	23.61	23.58	23.50	0.50	24.70	21.25	21.31	21.39	21.28	0.00	22.10
		1	25	23.51	23.52	23.69	23.58	0.50	24.70	21.22	21.23	21.27	21.20	0.00	22.10
		1	49	23.59	23.61	23.56	23.55	0.50	24.70	21.24	21.38	21.29	21.20	0.00	22.10
		25	0	22.91	22.81	22.76	22.51	1.50	23.70	21.20	21.38	21.49	21.21	0.00	22.10
		25	12	22.93	22.79	22.75	22.57	1.50	23.70	21.26	21.38	21.48	21.22	0.00	22.10
		25	25	22.93	22.78	22.75	22.55	1.50	23.70	21.25	21.37	21.43	21.20	0.00	22.10
		50	0	22.93	22.78	22.74	22.67	1.50	23.70	21.27	21.38	21.45	21.19	0.00	22.10
	64QAM	1	0	22.85	22.86	22.86	22.69	1.50	23.70	21.34	21.23	21.63	21.24	0.00	22.10
		1	25	22.87	22.78	22.75	22.62	1.50	23.70	21.33	21.21	21.64	21.20	0.00	22.10
		1	49	22.92	22.88	22.83	22.87	1.50	23.70	21.35	21.21	21.63	21.23	0.00	22.10
		25	0	21.81	21.71	21.67	21.68	2.50	22.70	21.18	21.21	21.60	21.22	0.00	22.10
		25	12	21.82	21.74	21.68	21.55	2.50	22.70	21.22	21.21	21.61	21.21	0.00	22.10
		25	25	21.81	21.72	21.66	21.51	2.50	22.70	21.20	21.24	21.62	21.21	0.00	22.10
		50	0	21.85	21.76	21.73	21.54	2.50	22.70	21.22	21.23	21.59	21.22	0.00	22.10
	256QAM	1	0	19.78	19.76	19.72	19.60	4.50	20.70	19.91	19.86	19.51	19.55	1.40	20.70
		1	25	19.83	19.73	19.70	19.61	4.50	20.70	19.89	19.79	19.42	19.49	1.40	20.70
		1	49	19.80	19.72	19.69	19.57	4.50	20.70	19.84	19.76	19.43	19.47	1.40	20.70
		25	0	19.87	19.79	19.75	19.60	4.50	20.70	19.91	19.62	19.80	19.56	1.40	20.70
		25	12	19.89	19.80	19.78	19.65	4.50	20.70	19.95	19.68	19.84	19.58	1.40	20.70
		25	25	19.87	19.76	19.74	19.61	4.50	20.70	19.92	19.64	19.74	19.54	1.40	20.70
		50	0	19.86	19.78	19.75	19.58	4.50	20.70	19.94	19.72	19.71	19.56	1.40	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				MPR	Tune-up Limit	Power Mode B (dBm)				MPR	Tune-up Limit
				55265.00	55748.00	56232.00	56715.00			55265.00	55748.00	56232.00	56715.00		
				3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz			3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz		
5 MHz	QPSK	1	0	24.16	24.08	24.03	24.08	0.00	25.20	21.37	21.20	21.36	21.17	0.00	22.10
		1	12	24.11	24.05	24.01	24.06	0.00	25.20	21.33	21.14	21.17	21.17	0.00	22.10
		1	24	24.17	24.05	24.04	24.08	0.00	25.20	21.31	21.24	21.25	21.19	0.00	22.10
		12	0	23.55	23.64	23.61	23.55	0.50	24.70	21.31	21.29	21.38	21.33	0.00	22.10
		12	7	23.56	23.66	23.59	23.56	0.50	24.70	21.35	21.28	21.37	21.36	0.00	22.10
		12	13	23.55	23.63	23.58	23.54	0.50	24.70	21.29	21.26	21.34	21.35	0.00	22.10
		25	0	23.55	23.62	23.60	23.55	0.50	24.70	21.29	21.31	21.35	21.31	0.00	22.10
	16QAM	1	0	23.59	23.63	23.59	23.59	0.50	24.70	21.34	21.37	21.33	21.23	0.00	22.10
		1	12	23.68	23.68	23.70	23.57	0.50	24.70	21.40	21.48	21.32	21.35	0.00	22.10
		1	24	23.62	23.61	23.59	23.54	0.50	24.70	21.34	21.39	21.25	21.23	0.00	22.10
		12	0	22.94	22.77	22.73	22.59	1.50	23.70	21.22	21.41	21.34	21.35	0.00	22.10
		12	7	22.92	22.80	22.75	22.61	1.50	23.70	21.26	21.33	21.36	21.38	0.00	22.10
		12	13	22.94	22.72	22.74	22.67	1.50	23.70	21.24	21.37	21.33	21.32	0.00	22.10
		25	0	22.88	22.77	22.71	22.68	1.50	23.70	21.21	21.33	21.40	21.36	0.00	22.10
	64QAM	1	0	22.99	22.88	22.54	22.50	1.50	23.70	21.35	21.57	21.62	21.25	0.00	22.10
		1	12	22.84	22.75	22.50	22.50	1.50	23.70	21.31	21.57	21.62	21.25	0.00	22.10
		1	24	22.95	22.85	22.54	22.55	1.50	23.70	21.35	21.57	21.61	21.27	0.00	22.10
		12	0	21.75	21.68	21.73	21.54	2.50	22.70	21.24	21.57	21.61	21.25	0.00	22.10
		12	7	21.83	21.68	21.68	21.55	2.50	22.70	21.20	21.56	21.63	21.26	0.00	22.10
		12	13	21.77	21.65	21.70	21.50	2.50	22.70	21.20	21.56	21.64	21.27	0.00	22.10
		25	0	21.74	21.64	21.73	21.50	2.50	22.70	21.30	21.57	21.66	21.27	0.00	22.10
	256QAM	1	0	19.93	19.83	19.93	19.86	4.50	20.70	19.93	19.71	19.80	19.65	1.40	20.70
		1	12	19.99	19.90	19.91	19.80	4.50	20.70	19.89	19.67	19.81	19.64	1.40	20.70
		1	24	19.95	19.82	19.99	19.86	4.50	20.70	19.96	19.69	19.70	19.70	1.40	20.70
		12	0	19.84	19.73	19.70	19.51	4.50	20.70	19.53	19.60	19.67	19.58	1.40	20.70
		12	7	19.87	19.80	19.68	19.53	4.50	20.70	19.56	19.64	19.68	19.64	1.40	20.70
		12	13	19.85	19.77	19.70	19.50	4.50	20.70	19.57	19.62	19.63	19.59	1.40	20.70
		25	0	19.86	19.73	19.73	19.54	4.50	20.70	19.55	19.58	19.66	19.60	1.40	20.70

Notes:

LTE Band 48 Low and high channels were tested using the maximum tune-up limit. This is for testing purpose only. For device placing to the market would follow the tune up procedure.

LTE Band 48 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55340.00	55773.00	56207.00	56640.00	MPR	Tune-up Limit	55340.00	55773.00	56207.00	56640.00	MPR	Tune-up Limit
				3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	22.10	22.11	22.20	22.10	0.00	22.50	22.10	22.11	22.20	22.10	0.00	22.50
		1	49	22.15	22.25	22.25	22.11	0.00	22.50	22.15	22.25	22.25	22.11	0.00	22.50
		1	99	22.10	22.18	22.15	22.05	0.00	22.50	22.10	22.18	22.15	22.05	0.00	22.50
		50	0	21.10	21.19	21.20	20.94	1.00	21.50	21.10	21.19	21.20	20.94	1.00	21.50
		50	24	21.17	21.20	21.20	21.04	1.00	21.50	21.17	21.20	21.20	21.04	1.00	21.50
		50	50	21.12	21.20	21.16	21.02	1.00	21.50	21.12	21.20	21.16	21.02	1.00	21.50
		100	0	21.17	21.19	21.19	21.03	1.00	21.50	21.17	21.19	21.19	21.03	1.00	21.50
	16QAM	1	0	21.15	21.05	21.13	20.94	1.00	21.50	21.15	21.05	21.13	20.94	1.00	21.50
		1	49	21.15	21.00	21.04	20.85	1.00	21.50	21.15	21.00	21.04	20.85	1.00	21.50
		1	99	21.20	21.17	20.96	20.97	1.00	21.50	21.20	21.17	20.96	20.97	1.00	21.50
		50	0	20.18	20.16	20.18	19.91	2.00	20.50	20.18	20.16	20.18	19.91	2.00	20.50
		50	24	20.11	20.19	20.14	20.03	2.00	20.50	20.11	20.19	20.14	20.03	2.00	20.50
		50	50	20.17	20.18	20.13	20.00	2.00	20.50	20.17	20.18	20.13	20.00	2.00	20.50
		100	0	20.17	20.18	20.15	20.01	2.00	20.50	20.17	20.18	20.15	20.01	2.00	20.50
	64QAM	1	0	20.00	20.00	19.86	19.77	2.00	20.50	20.00	20.00	19.86	19.77	2.00	20.50
		1	49	19.88	19.99	19.85	19.77	2.00	20.50	19.88	19.99	19.85	19.77	2.00	20.50
		1	99	19.91	19.99	19.85	19.76	2.00	20.50	19.91	19.99	19.85	19.76	2.00	20.50
		50	0	19.05	18.98	18.84	18.78	3.00	19.50	19.05	18.98	18.84	18.78	3.00	19.50
		50	24	19.01	18.98	18.84	18.77	3.00	19.50	19.01	18.98	18.84	18.77	3.00	19.50
		50	50	18.96	18.97	18.84	18.77	3.00	19.50	18.96	18.97	18.84	18.77	3.00	19.50
		100	0	19.00	18.97	18.84	18.76	3.00	19.50	19.00	18.97	18.84	18.76	3.00	19.50
	256QAM	1	0	17.16	16.80	17.02	16.93	5.00	17.50	17.16	16.80	17.02	16.93	5.00	17.50
		1	49	17.20	16.82	16.86	16.97	5.00	17.50	17.20	16.82	16.86	16.97	5.00	17.50
		1	99	17.11	16.96	16.79	17.09	5.00	17.50	17.11	16.96	16.79	17.09	5.00	17.50
		50	0	17.02	16.86	16.91	16.68	5.00	17.50	17.02	16.86	16.91	16.68	5.00	17.50
		50	24	16.98	16.93	16.84	16.74	5.00	17.50	16.98	16.93	16.84	16.74	5.00	17.50
		50	50	16.97	16.92	16.85	16.75	5.00	17.50	16.97	16.92	16.85	16.75	5.00	17.50
		100	0	16.98	16.91	16.84	16.74	5.00	17.50	16.98	16.91	16.84	16.74	5.00	17.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315.00	55765.00	56215.00	56665.00	MPR	Tune-up Limit	55315.00	55765.00	56215.00	56665.00	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	22.11	21.98	22.08	21.85	0.00	22.50	22.11	21.98	22.08	21.85	0.00	22.50
		1	37	22.04	21.97	21.97	21.84	0.00	22.50	22.04	21.97	21.97	21.84	0.00	22.50
		1	74	22.06	22.12	21.96	21.96	0.00	22.50	22.06	22.12	21.96	21.96	0.00	22.50
		36	0	21.16	21.20	21.19	20.99	1.00	21.50	21.16	21.20	21.19	20.99	1.00	21.50
		36	20	21.17	21.16	21.12	20.99	1.00	21.50	21.17	21.16	21.12	20.99	1.00	21.50
		36	39	21.14	21.18	21.12	21.05	1.00	21.50	21.14	21.18	21.12	21.05	1.00	21.50
		75	0	21.15	21.15	21.10	21.00	1.00	21.50	21.15	21.15	21.10	21.00	1.00	21.50
	16QAM	1	0	21.17	21.00	21.14	20.92	1.00	21.50	21.17	21.00	21.14	20.92	1.00	21.50
		1	37	21.15	21.02	21.01	20.89	1.00	21.50	21.15	21.02	21.01	20.89	1.00	21.50
		1	74	21.13	21.16	21.00	21.01	1.00	21.50	21.13	21.16	21.00	21.01	1.00	21.50
		36	0	20.17	20.14	20.17	19.97	2.00	20.50	20.17	20.14	20.17	19.97	2.00	20.50
		36	20	20.19	20.16	20.14	19.99	2.00	20.50	20.19	20.16	20.14	19.99	2.00	20.50
		36	39	20.17	20.15	20.13	20.05	2.00	20.50	20.17	20.15	20.13	20.05	2.00	20.50
		75	0	20.19	20.15	20.11	19.97	2.00	20.50	20.19	20.15	20.11	19.97	2.00	20.50
	64QAM	1	0	19.78	19.52	20.00	19.65	2.00	20.50	19.78	19.52	20.00	19.65	2.00	20.50
		1	37	19.74	19.53	20.00	19.64	2.00	20.50	19.74	19.53	20.00	19.64	2.00	20.50
		1	74	19.80	19.51	20.00	19.64	2.00	20.50	19.80	19.51	20.00	19.64	2.00	20.50
		36	0	18.91	18.53	19.00	18.62	3.00	19.50	18.91	18.53	19.00	18.62	3.00	19.50
		36	20	18.95	18.57	19.00	18.71	3.00	19.50	18.95	18.57	19.00	18.71	3.00	19.50
		36	39	18.89	18.54	19.01	18.72	3.00	19.50	18.89	18.54	19.01	18.72	3.00	19.50
		75	0	18.98	18.54	19.00	18.71	3.00	19.50	18.98	18.54	19.00	18.71	3.00	19.50
	256QAM	1	0	17.01	16.82	16.60	16.73	5.00	17.50	17.01	16.82	16.60	16.73	5.00	17.50
		1	37	16.99	16.80	16.53	16.73	5.00	17.50	16.99	16.80	16.53	16.73	5.00	17.50
		1	74	17.04	17.01	16.51	16.88	5.00	17.50	17.04	17.01	16.51	16.88	5.00	17.50
		36	0	16.94	16.88	16.90	16.66	5.00	17.50	16.94	16.88	16.90	16.66	5.00	17.50
		36	20	16.97	16.89	16.83	16.64	5.00	17.50	16.97	16.89	16.83	16.64	5.00	17.50
		36	39	16.92	16.90	16.83	16.70	5.00	17.50	16.92	16.90	16.83	16.70	5.00	17.50
		75	0	17.01	16.91	16.81	16.69	5.00	17.50	17.01	16.91	16.81	16.69	5.00	17.50

Notes:

LTE Band 48 Low and high channels were tested using the maximum tune-up limit. This is for testing purpose only. For device placing to the market would follow the tune up procedure.

LTE Band 48 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55290.00	55757.00	56223.00	56690.00	MPR	Tune-up Limit	55290.00	55757.00	56223.00	56690.00	MPR	Tune-up Limit
				3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz			3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz		
10 MHz	QPSK	1	0	22.16	21.99	22.09	21.91	0.00	22.50	22.16	21.99	22.09	21.91	0.00	22.50
		1	25	22.08	21.88	22.01	21.79	0.00	22.50	22.08	21.88	22.01	21.79	0.00	22.50
		1	49	22.15	22.06	21.93	21.91	0.00	22.50	22.15	22.06	21.93	21.91	0.00	22.50
		25	0	21.11	21.20	21.15	21.01	1.00	21.50	21.11	21.20	21.15	21.01	1.00	21.50
		25	12	21.10	21.12	21.19	21.03	1.00	21.50	21.10	21.12	21.19	21.03	1.00	21.50
		25	25	21.05	21.12	21.14	21.11	1.00	21.50	21.05	21.12	21.14	21.11	1.00	21.50
		50	0	21.07	21.19	21.18	20.98	1.00	21.50	21.07	21.19	21.18	20.98	1.00	21.50
	16QAM	1	0	21.04	21.07	21.16	20.99	1.00	21.50	21.04	21.07	21.16	20.99	1.00	21.50
		1	25	20.95	21.02	21.00	20.92	1.00	21.50	20.95	21.02	21.00	20.92	1.00	21.50
		1	49	20.96	21.13	21.02	21.03	1.00	21.50	20.96	21.13	21.02	21.03	1.00	21.50
		25	0	20.13	20.18	20.14	20.00	2.00	20.50	20.13	20.18	20.14	20.00	2.00	20.50
		25	12	20.14	20.20	20.18	20.02	2.00	20.50	20.14	20.20	20.18	20.02	2.00	20.50
		25	25	20.09	20.19	20.13	20.10	2.00	20.50	20.09	20.19	20.13	20.10	2.00	20.50
		50	0	20.12	20.20	20.20	19.98	2.00	20.50	20.12	20.20	20.20	19.98	2.00	20.50
	64QAM	1	0	20.10	19.57	20.13	19.51	2.00	20.50	20.10	19.57	20.13	19.51	2.00	20.50
		1	25	19.96	19.55	20.08	19.58	2.00	20.50	19.96	19.55	20.08	19.58	2.00	20.50
		1	49	20.11	19.60	20.19	19.65	2.00	20.50	20.11	19.60	20.19	19.65	2.00	20.50
		25	0	18.96	18.55	19.08	19.00	3.00	19.50	18.96	18.55	19.08	19.00	3.00	19.50
		25	12	18.95	18.60	19.13	19.06	3.00	19.50	18.95	18.60	19.13	19.06	3.00	19.50
		25	25	18.95	18.59	19.06	19.12	3.00	19.50	18.95	18.59	19.06	19.12	3.00	19.50
		50	0	18.97	18.63	19.20	19.01	3.00	19.50	18.97	18.63	19.20	19.01	3.00	19.50
	256QAM	1	0	16.97	16.89	17.14	17.13	5.00	17.50	16.97	16.89	17.14	17.13	5.00	17.50
		1	25	16.98	17.04	17.19	17.14	5.00	17.50	16.98	17.04	17.19	17.14	5.00	17.50
		1	49	16.87	17.06	17.04	17.17	5.00	17.50	16.87	17.06	17.04	17.17	5.00	17.50
		25	0	17.01	16.82	17.12	16.96	5.00	17.50	17.01	16.82	17.12	16.96	5.00	17.50
		25	12	17.04	16.89	17.11	17.04	5.00	17.50	17.04	16.89	17.11	17.04	5.00	17.50
		25	25	16.97	16.86	17.16	17.05	5.00	17.50	16.97	16.86	17.16	17.05	5.00	17.50
		50	0	17.01	16.93	17.19	17.05	5.00	17.50	17.01	16.93	17.19	17.05	5.00	17.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55265.00	55748.00	56232.00	56715.00	MPR	Tune-up Limit	55265.00	55748.00	56232.00	56715.00	MPR	Tune-up Limit
				3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz			3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz		
5 MHz	QPSK	1	0	22.14	21.93	21.98	21.89	0.00	22.50	22.14	21.93	21.98	21.89	0.00	22.50
		1	12	22.10	21.94	21.93	21.86	0.00	22.50	22.10	21.94	21.93	21.86	0.00	22.50
		1	24	22.19	21.99	21.99	21.95	0.00	22.50	22.19	21.99	21.99	21.95	0.00	22.50
		12	0	21.14	21.14	21.17	21.06	1.00	21.50	21.14	21.14	21.17	21.06	1.00	21.50
		12	7	21.20	21.11	21.15	21.12	1.00	21.50	21.20	21.11	21.15	21.12	1.00	21.50
		12	13	21.19	21.16	21.11	21.07	1.00	21.50	21.19	21.16	21.11	21.07	1.00	21.50
		25	0	21.20	21.16	21.12	21.07	1.00	21.50	21.20	21.16	21.12	21.07	1.00	21.50
	16QAM	1	0	21.15	20.98	21.04	20.93	1.00	21.50	21.15	20.98	21.04	20.93	1.00	21.50
		1	12	21.14	21.16	21.09	21.06	1.00	21.50	21.14	21.16	21.09	21.06	1.00	21.50
		1	24	21.14	21.04	20.96	20.94	1.00	21.50	21.14	21.04	20.96	20.94	1.00	21.50
		12	0	20.15	20.18	20.18	20.06	2.00	20.50	20.15	20.18	20.18	20.06	2.00	20.50
		12	7	20.20	20.18	20.17	20.12	2.00	20.50	20.20	20.18	20.17	20.12	2.00	20.50
		12	13	20.20	20.17	20.11	20.09	2.00	20.50	20.20	20.17	20.11	20.09	2.00	20.50
		25	0	20.11	20.16	20.13	20.06	2.00	20.50	20.11	20.16	20.13	20.06	2.00	20.50
	64QAM	1	0	20.05	19.65	20.10	19.98	2.00	20.50	20.05	19.65	20.10	19.98	2.00	20.50
		1	12	20.00	19.63	20.09	20.03	2.00	20.50	20.00	19.63	20.09	20.03	2.00	20.50
		1	24	20.08	19.64	20.10	20.03	2.00	20.50	20.08	19.64	20.10	20.03	2.00	20.50
		12	0	18.88	19.07	19.17	18.99	3.00	19.50	18.88	19.07	19.17	18.99	3.00	19.50
		12	7	18.95	19.10	19.13	18.98	3.00	19.50	18.95	19.10	19.13	18.98	3.00	19.50
		12	13	18.90	19.08	19.11	18.98	3.00	19.50	18.90	19.08	19.11	18.98	3.00	19.50
		25	0	18.94	19.03	19.20	18.95	3.00	19.50	18.94	19.03	19.20	18.95	3.00	19.50
	256QAM	1	0	17.02	17.06	16.96	16.84	5.00	17.50	17.02	17.06	16.96	16.84	5.00	17.50
		1	12	17.17	17.13	16.86	16.91	5.00	17.50	17.17	17.13	16.86	16.91	5.00	17.50
		1	24	17.06	17.18	16.86	16.85	5.00	17.50	17.06	17.18	16.86	16.85	5.00	17.50
		12	0	16.94	16.81	16.84	16.77	5.00	17.50	16.94	16.81	16.84	16.77	5.00	17.50
		12	7	17.04	16.80	16.85	16.77	5.00	17.50	17.04	16.80	16.85	16.77	5.00	17.50
		12	13	17.01	16.81	16.81	16.75	5.00	17.50	17.01	16.81	16.81	16.75	5.00	17.50
		25	0	17.00	16.83	16.82	16.73	5.00	17.50	17.00	16.83	16.82	16.73	5.00	17.50

Notes:

LTE Band 48 Low and high channels were tested using the maximum tune-up limit. This is for testing purpose only. For device placing to the market would follow the tune up procedure.

LTE Band 66 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132072	132322	132572	MPR	Tune-up Limit	132072	132322	132572	MPR	Tune-up Limit
				1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	24.43	24.44	24.28	0.00	25.00	19.96	20.01	20.01	0.00	20.50
		1	49	24.46	24.48	24.32	0.00	25.00	20.00	20.10	20.05	0.00	20.50
		1	99	24.41	24.35	24.29	0.00	25.00	19.92	19.95	20.05	0.00	20.50
		50	0	24.10	24.11	23.83	0.30	24.70	19.99	20.02	20.03	0.00	20.50
		50	24	24.20	24.20	23.98	0.30	24.70	20.02	20.15	20.15	0.00	20.50
		50	50	24.16	24.00	23.95	0.30	24.70	20.00	20.05	20.14	0.00	20.50
		100	0	24.15	24.15	23.85	0.30	24.70	20.02	20.10	20.08	0.00	20.50
	16QAM	1	0	24.08	24.05	23.88	0.30	24.70	19.87	19.84	19.85	0.00	20.50
		1	49	23.97	23.87	23.95	0.30	24.70	19.89	19.90	19.90	0.00	20.50
		1	99	24.00	23.77	23.86	0.30	24.70	19.85	19.90	19.87	0.00	20.50
		50	0	23.10	23.06	22.87	1.30	23.70	19.62	19.58	19.68	0.00	20.50
		50	24	23.19	23.07	22.98	1.30	23.70	19.66	19.68	19.73	0.00	20.50
		50	50	23.19	22.98	22.95	1.30	23.70	19.61	19.61	19.79	0.00	20.50
		100	0	23.16	23.07	22.89	1.30	23.70	19.65	19.66	19.70	0.00	20.50
	64QAM	1	0	23.35	23.21	23.07	1.30	23.70	19.81	19.66	19.55	0.00	20.50
		1	49	23.34	23.24	23.19	1.30	23.70	19.81	19.71	19.61	0.00	20.50
		1	99	23.36	23.26	23.16	1.30	23.70	19.82	19.72	19.59	0.00	20.50
		50	0	22.70	22.61	21.90	2.30	22.70	19.83	19.71	19.42	0.00	20.50
		50	24	22.70	22.61	21.99	2.30	22.70	19.82	19.72	19.53	0.00	20.50
		50	50	22.70	22.61	21.97	2.30	22.70	19.81	19.70	19.49	0.00	20.50
		100	0	22.70	22.60	21.88	2.30	22.70	19.82	19.71	19.38	0.00	20.50
	256QAM	1	0	20.36	20.33	19.83	4.30	20.70	19.64	19.75	19.43	0.00	20.50
		1	49	20.33	20.24	19.79	4.30	20.70	19.63	19.62	19.40	0.00	20.50
		1	99	20.36	20.08	19.83	4.30	20.70	19.68	19.49	19.43	0.00	20.50
		50	0	20.17	20.11	19.89	4.30	20.70	19.48	19.48	19.49	0.00	20.50
		50	24	20.23	20.11	19.97	4.30	20.70	19.53	19.53	19.58	0.00	20.50
		50	50	20.18	20.04	19.94	4.30	20.70	19.50	19.41	19.58	0.00	20.50
		100	0	20.19	20.03	19.84	4.30	20.70	19.48	19.46	19.50	0.00	20.50
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132047.00	132322.00	132597.00	MPR	Tune-up Limit	132047.00	132322.00	132597.00	MPR	Tune-up Limit
				1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	24.35	24.41	24.37	0.00	25.00	19.95	19.94	20.09	0.00	20.50
		1	37	24.43	24.43	24.41	0.00	25.00	19.92	19.94	20.07	0.00	20.50
		1	74	24.43	24.40	24.37	0.00	25.00	19.93	19.90	20.11	0.00	20.50
		36	0	24.09	24.06	23.89	0.30	24.70	19.96	20.01	20.10	0.00	20.50
		36	20	24.19	24.12	23.95	0.30	24.70	20.01	20.08	20.15	0.00	20.50
		36	39	24.15	24.03	24.00	0.30	24.70	19.99	20.05	20.20	0.00	20.50
		75	0	24.13	24.04	23.88	0.30	24.70	19.98	20.08	20.08	0.00	20.50
	16QAM	1	0	24.49	24.63	23.85	0.30	24.70	19.87	19.72	19.83	0.00	20.50
		1	37	24.52	24.53	23.90	0.30	24.70	19.90	19.77	19.90	0.00	20.50
		1	74	24.50	24.22	23.84	0.30	24.70	19.86	19.73	19.87	0.00	20.50
		36	0	23.11	23.04	22.83	1.30	23.70	19.53	19.77	19.74	0.00	20.50
		36	20	23.24	23.09	22.91	1.30	23.70	19.59	19.91	19.79	0.00	20.50
		36	39	23.18	23.00	22.97	1.30	23.70	19.57	19.85	19.83	0.00	20.50
		75	0	23.15	23.06	22.89	1.30	23.70	19.59	19.86	19.72	0.00	20.50
	64QAM	1	0	22.99	22.95	23.47	1.30	23.70	19.57	19.71	19.70	0.00	20.50
		1	37	22.99	22.95	23.58	1.30	23.70	19.57	19.70	19.86	0.00	20.50
		1	74	22.98	22.96	23.59	1.30	23.70	19.57	19.69	19.85	0.00	20.50
		36	0	21.99	21.97	21.91	2.30	22.70	19.57	19.69	19.41	0.00	20.50
		36	20	22.00	21.97	21.94	2.30	22.70	19.57	19.70	19.44	0.00	20.50
		36	39	22.00	21.96	21.99	2.30	22.70	19.58	19.70	19.48	0.00	20.50
		75	0	22.02	21.97	21.94	2.30	22.70	19.58	19.69	19.42	0.00	20.50
	256QAM	1	0	19.93	20.47	20.09	4.30	20.70	19.32	19.63	19.54	0.00	20.50
		1	37	20.00	20.47	20.14	4.30	20.70	19.30	19.65	19.67	0.00	20.50
		1	74	19.93	20.36	20.18	4.30	20.70	19.31	19.55	19.65	0.00	20.50
		36	0	20.15	20.09	19.89	4.30	20.70	19.42	19.30	19.35	0.00	20.50
		36	20	20.22	20.15	19.93	4.30	20.70	19.53	19.35	19.40	0.00	20.50
		36	39	20.20	20.07	19.96	4.30	20.70	19.48	19.30	19.42	0.00	20.50
		75	0	20.20	20.11	19.89	4.30	20.70	19.49	19.31	19.38	0.00	20.50

LTE Band 66 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132022.00	132322.00	132622.00	MPR	Tune-up Limit	132022.00	132322.00	132622.00	MPR	Tune-up Limit
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	24.43	24.44	24.43	0.00	25.00	19.90	19.93	20.08	0.00	20.50
		1	25	24.47	24.47	24.44	0.00	25.00	19.80	19.92	20.10	0.00	20.50
		1	49	24.44	24.37	24.36	0.00	25.00	19.82	19.87	20.07	0.00	20.50
		25	0	24.05	24.05	23.91	0.30	24.70	19.92	19.97	20.09	0.00	20.50
		25	12	24.16	24.09	23.92	0.30	24.70	20.05	20.06	20.11	0.00	20.50
		25	25	24.08	24.00	23.94	0.30	24.70	19.91	20.02	20.15	0.00	20.50
		50	0	24.12	24.05	23.89	0.30	24.70	19.96	20.03	20.08	0.00	20.50
	16QAM	1	0	24.15	24.07	24.33	0.30	24.70	19.69	19.68	20.00	0.00	20.50
		1	25	24.05	23.98	24.32	0.30	24.70	19.59	19.58	19.99	0.00	20.50
		1	49	24.10	23.84	24.26	0.30	24.70	19.65	19.56	19.95	0.00	20.50
		25	0	23.14	23.07	22.94	1.30	23.70	19.70	19.68	19.81	0.00	20.50
		25	12	23.23	23.12	22.96	1.30	23.70	19.78	19.74	19.88	0.00	20.50
		25	25	23.20	23.01	23.00	1.30	23.70	19.76	19.72	19.90	0.00	20.50
		50	0	23.15	23.02	22.90	1.30	23.70	19.67	19.68	19.79	0.00	20.50
	64QAM	1	0	23.06	22.99	23.06	1.30	23.70	19.52	19.45	19.46	0.00	20.50
		1	25	23.07	22.96	23.15	1.30	23.70	19.51	19.43	19.55	0.00	20.50
		1	49	23.03	22.95	23.09	1.30	23.70	19.51	19.42	19.50	0.00	20.50
		25	0	22.33	22.27	22.00	2.30	22.70	19.53	19.45	19.45	0.00	20.50
		25	12	22.37	22.26	22.01	2.30	22.70	19.51	19.45	19.42	0.00	20.50
		25	25	22.35	22.27	22.06	2.30	22.70	19.50	19.44	19.49	0.00	20.50
		50	0	22.36	22.26	21.91	2.30	22.70	19.51	19.42	19.35	0.00	20.50
	256QAM	1	0	19.95	20.56	19.92	4.30	20.70	19.32	19.79	19.40	0.00	20.50
		1	25	19.99	20.53	19.97	4.30	20.70	19.31	19.78	19.32	0.00	20.50
		1	49	20.02	20.46	19.90	4.30	20.70	19.48	19.71	19.33	0.00	20.50
		25	0	20.18	20.07	19.97	4.30	20.70	19.47	19.36	19.35	0.00	20.50
		25	12	20.28	20.15	19.96	4.30	20.70	19.56	19.44	19.30	0.00	20.50
		25	25	20.20	20.09	20.02	4.30	20.70	19.53	19.40	19.32	0.00	20.50
		50	0	20.20	20.15	19.91	4.30	20.70	19.48	19.41	19.31	0.00	20.50
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131997.00	132322.00	132647.00	MPR	Tune-up Limit	131997.00	132322.00	132647.00	MPR	Tune-up Limit
				1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	24.50	24.46	24.39	0.00	25.00	19.86	20.05	20.02	0.00	20.50
		1	12	24.45	24.43	24.35	0.00	25.00	19.92	19.99	20.04	0.00	20.50
		1	24	24.48	24.43	24.30	0.00	25.00	19.81	19.96	20.00	0.00	20.50
		12	0	24.09	24.04	23.94	0.30	24.70	19.88	20.00	20.16	0.00	20.50
		12	7	24.12	24.07	23.95	0.30	24.70	19.97	20.03	20.19	0.00	20.50
		12	13	24.08	23.96	23.94	0.30	24.70	19.94	19.97	20.16	0.00	20.50
		25	0	24.07	23.99	23.90	0.30	24.70	19.92	19.98	20.17	0.00	20.50
	16QAM	1	0	24.17	24.11	24.41	0.30	24.70	19.77	19.84	19.98	0.00	20.50
		1	12	24.22	24.10	24.44	0.30	24.70	19.82	19.87	20.04	0.00	20.50
		1	24	24.17	24.05	24.35	0.30	24.70	19.74	19.84	19.95	0.00	20.50
		12	0	23.17	23.12	23.11	1.30	23.70	19.69	19.81	20.05	0.00	20.50
		12	7	23.15	23.12	23.10	1.30	23.70	19.74	19.87	19.99	0.00	20.50
		12	13	23.16	23.06	23.10	1.30	23.70	19.72	19.82	19.97	0.00	20.50
		25	0	23.03	23.03	23.00	1.30	23.70	19.63	19.75	19.99	0.00	20.50
	64QAM	1	0	23.04	23.06	23.25	1.30	23.70	19.47	19.46	19.54	0.00	20.50
		1	12	23.08	23.06	23.21	1.30	23.70	19.46	19.45	19.52	0.00	20.50
		1	24	23.08	23.06	23.12	1.30	23.70	19.49	19.46	19.44	0.00	20.50
		12	0	22.38	22.35	22.02	2.30	22.70	19.49	19.46	19.36	0.00	20.50
		12	7	22.38	22.38	21.99	2.30	22.70	19.48	19.46	19.38	0.00	20.50
		12	13	22.37	22.39	22.03	2.30	22.70	19.47	19.48	19.35	0.00	20.50
		25	0	22.36	22.37	21.94	2.30	22.70	19.48	19.46	19.46	0.00	20.50
	256QAM	1	0	20.11	19.73	19.94	4.30	20.70	19.41	19.37	19.39	0.00	20.50
		1	12	20.27	19.82	19.99	4.30	20.70	19.53	19.43	19.35	0.00	20.50
		1	24	20.19	19.71	19.87	4.30	20.70	19.46	19.36	19.44	0.00	20.50
		12	0	20.15	19.93	19.94	4.30	20.70	19.39	19.38	19.30	0.00	20.50
		12	7	20.16	19.98	20.01	4.30	20.70	19.42	19.43	19.32	0.00	20.50
		12	13	20.13	19.95	19.90	4.30	20.70	19.35	19.33	19.33	0.00	20.50
		25	0	20.12	20.00	19.96	4.30	20.70	19.35	19.44	19.30	0.00	20.50

LTE Band 66 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131987.00	132322.00	132657.00			131987.00	132322.00	132657.00		
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	24.49	24.42	24.43	0.00	25.00	20.17	20.02	19.91	0.00	20.50
		1	8	24.41	24.38	24.31	0.00	25.00	20.11	19.94	19.83	0.00	20.50
		1	14	24.41	24.42	24.38	0.00	25.00	20.19	19.97	19.92	0.00	20.50
		8	0	24.10	24.03	23.93	0.30	24.70	20.24	20.12	20.02	0.00	20.50
		8	4	24.11	24.02	23.92	0.30	24.70	20.22	20.12	20.03	0.00	20.50
		8	7	24.13	24.04	23.98	0.30	24.70	20.22	20.12	20.05	0.00	20.50
		15	0	24.11	24.03	23.94	0.30	24.70	20.25	20.13	20.02	0.00	20.50
	16QAM	1	0	24.18	23.97	24.41	0.30	24.70	20.16	19.99	19.69	0.00	20.50
		1	8	24.16	23.94	24.38	0.30	24.70	20.18	19.88	19.65	0.00	20.50
		1	14	24.16	23.91	24.36	0.30	24.70	20.18	19.88	19.65	0.00	20.50
		8	0	23.15	23.15	23.04	1.30	23.70	19.82	19.92	19.87	0.00	20.50
		8	4	23.15	23.14	23.06	1.30	23.70	19.78	19.93	19.86	0.00	20.50
		8	7	23.14	23.14	23.04	1.30	23.70	19.84	19.93	19.88	0.00	20.50
		15	0	23.06	23.07	23.04	1.30	23.70	19.80	19.85	19.80	0.00	20.50
	64QAM	1	0	22.91	23.01	23.20	1.30	23.70	19.56	19.60	19.75	0.00	20.50
		1	8	22.88	23.01	23.13	1.30	23.70	19.54	19.59	19.72	0.00	20.50
		1	14	22.90	23.00	23.13	1.30	23.70	19.52	19.60	19.75	0.00	20.50
		8	0	21.89	22.00	21.88	2.30	22.70	19.54	19.60	19.50	0.00	20.50
		8	4	21.93	22.01	21.93	2.30	22.70	19.52	19.60	19.51	0.00	20.50
		8	7	21.93	22.01	21.94	2.30	22.70	19.54	19.59	19.54	0.00	20.50
		15	0	21.91	22.01	22.02	2.30	22.70	19.53	19.59	19.56	0.00	20.50
	256QAM	1	0	19.90	20.49	19.86	4.30	20.70	19.38	19.44	19.51	0.00	20.50
		1	8	19.84	20.52	19.91	4.30	20.70	19.46	19.42	19.53	0.00	20.50
		1	14	19.92	20.51	19.86	4.30	20.70	19.50	19.42	19.46	0.00	20.50
		8	0	20.09	20.14	20.07	4.30	20.70	19.49	19.40	19.67	0.00	20.50
		8	4	20.11	20.12	20.03	4.30	20.70	19.47	19.42	19.66	0.00	20.50
		8	7	20.12	20.11	20.07	4.30	20.70	19.46	19.44	19.65	0.00	20.50
		15	0	20.23	20.07	19.99	4.30	20.70	19.47	19.42	19.60	0.00	20.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131979.00	132322.00	132665.00			131979.00	132322.00	132665.00		
				1710.7 MHz	1745 MHz	1779.3 MHz			1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	24.43	24.43	24.28	0.00	25.00	19.86	19.80	19.83	0.00	20.50
		1	3	24.44	24.46	24.33	0.00	25.00	19.87	19.80	19.87	0.00	20.50
		1	5	24.42	24.42	24.28	0.00	25.00	19.86	19.79	19.83	0.00	20.50
		3	0	24.91	24.87	24.75	0.00	25.00	19.83	19.70	19.79	0.00	20.50
		3	1	25.00	24.93	24.81	0.00	25.00	19.88	19.74	19.86	0.00	20.50
		3	3	24.98	24.94	24.82	0.00	25.00	19.91	19.67	19.75	0.00	20.50
		6	0	24.05	23.95	23.87	0.30	24.70	19.90	19.85	19.96	0.00	20.50
	16QAM	1	0	24.15	24.41	23.92	0.30	24.70	19.70	19.39	19.55	0.00	20.50
		1	3	24.11	24.53	23.98	0.30	24.70	19.79	19.37	19.44	0.00	20.50
		1	5	24.14	24.36	23.90	0.30	24.70	19.64	19.38	19.56	0.00	20.50
		3	0	24.14	24.21	24.01	0.30	24.70	19.52	19.39	19.49	0.00	20.50
		3	1	24.10	24.20	24.18	0.30	24.70	19.53	19.40	19.58	0.00	20.50
		3	3	24.10	24.20	24.15	0.30	24.70	19.53	19.38	19.64	0.00	20.50
		6	0	23.25	22.92	23.07	1.30	23.70	19.36	19.47	19.52	0.00	20.50
	64QAM	1	0	22.88	22.80	23.42	1.30	23.70	19.40	19.40	19.44	0.00	20.50
		1	3	22.87	22.76	23.49	1.30	23.70	19.51	19.42	19.47	0.00	20.50
		1	5	22.90	22.83	23.43	1.30	23.70	19.40	19.41	19.45	0.00	20.50
		3	0	22.87	22.81	23.22	1.30	23.70	19.35	19.42	19.46	0.00	20.50
		3	1	22.89	22.79	23.34	1.30	23.70	19.36	19.40	19.45	0.00	20.50
		3	3	22.89	22.78	23.29	1.30	23.70	19.41	19.44	19.48	0.00	20.50
		6	0	21.87	21.84	21.89	2.30	22.70	19.34	19.44	19.44	0.00	20.50
	256QAM	1	0	20.16	20.11	20.00	4.30	20.70	19.56	19.45	19.34	0.00	20.50
		1	3	20.31	20.22	20.15	4.30	20.70	19.66	19.30	19.36	0.00	20.50
		1	5	20.15	20.08	19.96	4.30	20.70	19.54	19.30	19.30	0.00	20.50
		3	0	20.02	19.91	19.86	4.30	20.70	19.49	19.30	19.45	0.00	20.50
		3	1	20.05	19.98	19.85	4.30	20.70	19.43	19.33	19.49	0.00	20.50
		3	3	20.02	19.96	19.98	4.30	20.70	19.37	19.36	19.46	0.00	20.50
		6	0	19.98	19.87	19.90	4.30	20.70	19.37	19.51	19.38	0.00	20.50

LTE Band 66 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132072	132322	132572	MPR	Tune-up Limit	132072	132322	132572	MPR	Tune-up Limit
				1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	17.28	17.20	17.18	0.00	17.60	18.00	17.83	17.78	0.00	18.30
		1	49	17.30	17.30	17.25	0.00	17.60	18.00	18.00	17.85	0.00	18.30
		1	99	17.08	17.09	17.22	0.00	17.60	17.86	17.76	17.84	0.00	18.30
		50	0	17.25	17.27	17.20	0.00	17.60	18.02	17.91	17.82	0.00	18.30
		50	24	17.30	17.30	17.29	0.00	17.60	18.05	18.05	17.91	0.00	18.30
		50	50	17.21	17.21	17.24	0.00	17.60	17.99	17.84	17.89	0.00	18.30
		100	0	17.27	17.27	17.20	0.00	17.60	18.05	18.05	17.81	0.00	18.30
	16QAM	1	0	17.25	17.13	17.15	0.00	17.60	17.90	17.78	17.73	0.00	18.30
		1	49	17.09	17.07	17.13	0.00	17.60	17.81	17.73	17.71	0.00	18.30
		1	99	17.01	17.05	17.21	0.00	17.60	17.70	17.73	17.79	0.00	18.30
		50	0	17.18	17.23	17.21	0.00	17.60	17.79	17.69	17.61	0.00	18.30
		50	24	17.25	17.20	17.30	0.00	17.60	17.87	17.68	17.70	0.00	18.30
		50	50	17.20	17.18	17.28	0.00	17.60	17.78	17.67	17.69	0.00	18.30
		100	0	17.26	17.22	17.24	0.00	17.60	17.85	17.70	17.63	0.00	18.30
	64QAM	1	0	17.10	16.90	16.92	0.00	17.60	17.84	17.85	17.75	0.00	18.30
		1	49	17.11	16.92	16.91	0.00	17.60	17.86	17.81	17.79	0.00	18.30
		1	99	17.04	16.96	16.98	0.00	17.60	17.76	17.86	17.86	0.00	18.30
		50	0	16.84	16.80	16.72	0.00	17.60	17.77	17.59	17.59	0.00	18.30
		50	24	16.91	16.81	16.83	0.00	17.60	17.83	17.61	17.71	0.00	18.30
		50	50	16.84	16.77	16.83	0.00	17.60	17.77	17.57	17.71	0.00	18.30
		100	0	17.29	17.23	17.21	0.00	17.60	17.76	17.58	17.59	0.00	18.30
	256QAM	1	0	17.11	16.61	16.68	0.00	17.60	17.65	17.17	17.51	0.10	18.20
		1	49	17.05	16.58	16.63	0.00	17.60	17.62	17.15	17.44	0.10	18.20
		1	99	16.99	16.61	16.73	0.00	17.60	17.54	17.19	17.53	0.10	18.20
		50	0	16.89	16.76	16.71	0.00	17.60	17.45	17.33	17.32	0.10	18.20
		50	24	16.95	16.75	16.80	0.00	17.60	17.53	17.32	17.37	0.10	18.20
		50	50	16.90	16.74	16.82	0.00	17.60	17.43	17.28	17.35	0.10	18.20
		100	0	16.89	16.76	16.71	0.00	17.60	17.45	17.29	17.25	0.10	18.20
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132047.00	132322.00	132597.00	MPR	Tune-up Limit	132047.00	132322.00	132597.00	MPR	Tune-up Limit
				1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	17.57	17.49	17.54	0.00	17.60	17.99	17.81	17.88	0.00	18.30
		1	37	17.58	17.49	17.52	0.00	17.60	17.98	17.79	17.89	0.00	18.30
		1	74	17.52	17.50	17.60	0.00	17.60	17.90	17.79	17.97	0.00	18.30
		36	0	17.46	17.38	17.30	0.00	17.60	18.07	17.90	17.86	0.00	18.30
		36	20	17.50	17.41	17.38	0.00	17.60	18.08	17.93	17.90	0.00	18.30
		36	39	17.42	17.38	17.40	0.00	17.60	18.03	17.88	17.99	0.00	18.30
		75	0	17.41	17.37	17.28	0.00	17.60	18.01	17.88	17.84	0.00	18.30
	16QAM	1	0	17.42	17.31	17.47	0.00	17.60	17.95	17.76	17.88	0.00	18.30
		1	37	17.58	17.48	17.54	0.00	17.60	18.07	17.84	17.81	0.00	18.30
		1	74	17.31	17.41	17.50	0.00	17.60	17.90	17.79	17.80	0.00	18.30
		36	0	17.04	16.92	16.92	0.00	17.60	18.03	17.86	17.83	0.00	18.30
		36	20	17.03	16.96	16.98	0.00	17.60	18.08	17.89	17.88	0.00	18.30
		36	39	17.00	16.90	17.03	0.00	17.60	18.01	17.86	17.95	0.00	18.30
		75	0	17.02	16.95	16.94	0.00	17.60	18.05	17.89	17.86	0.00	18.30
	64QAM	1	0	17.54	17.45	17.48	0.00	17.60	18.07	17.80	17.93	0.00	18.30
		1	37	17.53	17.51	17.58	0.00	17.60	18.10	17.84	17.98	0.00	18.30
		1	74	17.58	17.52	17.52	0.00	17.60	18.03	17.84	17.97	0.00	18.30
		36	0	17.09	16.95	16.90	0.00	17.60	18.00	17.78	17.73	0.00	18.30
		36	20	17.09	17.00	16.95	0.00	17.60	17.99	17.78	17.79	0.00	18.30
		36	39	17.04	16.95	17.03	0.00	17.60	17.93	17.75	17.86	0.00	18.30
		75	0	17.09	16.96	16.91	0.00	17.60	17.98	17.79	17.79	0.00	18.30
	256QAM	1	0	17.50	17.28	17.44	0.00	17.60	17.63	17.43	17.53	0.10	18.20
		1	37	17.54	17.34	17.55	0.00	17.60	17.67	17.47	17.56	0.10	18.20
		1	74	17.49	17.37	17.59	0.00	17.60	17.61	17.43	17.57	0.10	18.20
		36	0	17.36	17.14	17.11	0.00	17.60	17.48	17.28	17.26	0.10	18.20
		36	20	17.37	17.14	17.15	0.00	17.60	17.49	17.29	17.29	0.10	18.20
		36	39	17.30	17.10	17.20	0.00	17.60	17.44	17.25	17.37	0.10	18.20
		75	0	17.34	17.11	17.10	0.00	17.60	17.46	17.25	17.29	0.10	18.20

LTE Band 66 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132022.00	132322.00	132622.00	MPR	Tune-up Limit	132022.00	132322.00	132622.00	MPR	Tune-up Limit
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	17.46	17.40	17.41	0.00	17.60	17.97	17.72	17.79	0.00	18.30
		1	25	17.47	17.40	17.43	0.00	17.60	17.92	17.68	17.78	0.00	18.30
		1	49	17.48	17.43	17.55	0.00	17.60	17.91	17.72	17.87	0.00	18.30
		25	0	17.49	17.58	17.52	0.00	17.60	18.10	17.89	17.85	0.00	18.30
		25	12	17.50	17.58	17.56	0.00	17.60	18.10	17.89	17.91	0.00	18.30
		25	25	17.48	17.52	17.60	0.00	17.60	18.06	17.86	17.94	0.00	18.30
		50	0	17.46	17.56	17.54	0.00	17.60	18.09	17.87	17.87	0.00	18.30
	16QAM	1	0	17.40	17.31	17.42	0.00	17.60	17.90	17.66	17.58	0.00	18.30
		1	25	17.35	17.30	17.31	0.00	17.60	17.79	17.57	17.57	0.00	18.30
		1	49	17.31	17.36	17.39	0.00	17.60	17.81	17.61	17.61	0.00	18.30
		25	0	17.51	17.42	17.39	0.00	17.60	17.87	17.74	17.68	0.00	18.30
		25	12	17.52	17.45	17.43	0.00	17.60	17.78	17.76	17.70	0.00	18.30
		25	25	17.49	17.42	17.49	0.00	17.60	17.83	17.74	17.77	0.00	18.30
		50	0	17.45	17.36	17.34	0.00	17.60	17.88	17.68	17.63	0.00	18.30
	64QAM	1	0	17.43	17.32	17.34	0.00	17.60	17.89	17.73	17.80	0.00	18.30
		1	25	17.46	17.37	17.41	0.00	17.60	17.89	17.76	17.85	0.00	18.30
		1	49	17.41	17.32	17.44	0.00	17.60	17.85	17.71	17.85	0.00	18.30
		25	0	17.43	17.30	17.26	0.00	17.60	17.85	17.62	17.63	0.00	18.30
		25	12	17.43	17.31	17.34	0.00	17.60	17.88	17.63	17.66	0.00	18.30
		25	25	17.41	17.30	17.36	0.00	17.60	17.84	17.60	17.73	0.00	18.30
		50	0	17.34	17.22	17.23	0.00	17.60	17.78	17.53	17.57	0.00	18.30
	256QAM	1	0	17.33	17.12	17.17	0.00	17.60	17.45	17.23	17.27	0.10	18.20
		1	25	17.38	17.13	17.20	0.00	17.60	17.50	17.24	17.32	0.10	18.20
		1	49	17.33	17.14	17.25	0.00	17.60	17.46	17.23	17.33	0.10	18.20
		25	0	17.45	17.22	17.20	0.00	17.60	17.59	17.33	17.31	0.10	18.20
		25	12	17.47	17.26	17.22	0.00	17.60	17.59	17.36	17.35	0.10	18.20
		25	25	17.42	17.17	17.29	0.00	17.60	17.56	17.30	17.39	0.10	18.20
		50	0	17.39	17.16	17.17	0.00	17.60	17.51	17.28	17.27	0.10	18.20
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131997.00	132322.00	132647.00	MPR	Tune-up Limit	131997.00	132322.00	132647.00	MPR	Tune-up Limit
				1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	17.54	17.46	17.54	0.00	17.60	18.03	17.80	17.90	0.00	18.30
		1	12	17.60	17.48	17.60	0.00	17.60	18.07	17.84	17.94	0.00	18.30
		1	24	17.52	17.42	17.54	0.00	17.60	18.00	17.78	17.88	0.00	18.30
		12	0	17.60	17.53	17.55	0.00	17.60	18.09	17.87	17.95	0.00	18.30
		12	7	17.56	17.56	17.58	0.00	17.60	18.03	17.89	18.00	0.00	18.30
		12	13	17.60	17.53	17.54	0.00	17.60	18.08	17.86	17.96	0.00	18.30
		25	0	17.58	17.50	17.51	0.00	17.60	18.09	17.87	17.96	0.00	18.30
	16QAM	1	0	17.43	17.35	17.39	0.00	17.60	17.84	17.72	17.79	0.00	18.30
		1	12	17.46	17.42	17.46	0.00	17.60	17.86	17.76	17.89	0.00	18.30
		1	24	17.41	17.35	17.44	0.00	17.60	17.81	17.69	17.83	0.00	18.30
		12	0	17.41	17.31	17.43	0.00	17.60	17.80	17.72	17.80	0.00	18.30
		12	7	17.42	17.35	17.45	0.00	17.60	17.82	17.71	17.84	0.00	18.30
		12	13	17.38	17.32	17.46	0.00	17.60	17.82	17.71	17.83	0.00	18.30
		25	0	17.28	17.19	17.32	0.00	17.60	17.81	17.58	17.69	0.00	18.30
	64QAM	1	0	17.28	16.94	17.30	0.00	17.60	17.81	17.80	17.90	0.00	18.30
		1	12	17.40	16.96	17.39	0.00	17.60	17.80	17.84	17.87	0.00	18.30
		1	24	17.30	16.91	17.31	0.00	17.60	17.76	17.78	17.83	0.00	18.30
		12	0	17.18	17.06	17.17	0.00	17.60	17.81	17.60	17.70	0.00	18.30
		12	7	17.17	17.13	17.21	0.00	17.60	17.84	17.60	17.67	0.00	18.30
		12	13	17.21	17.04	17.22	0.00	17.60	17.79	17.58	17.65	0.00	18.30
		25	0	17.12	17.02	17.15	0.00	17.60	17.75	17.51	17.64	0.00	18.30
	256QAM	1	0	17.11	16.77	17.01	0.00	17.60	17.28	17.22	17.31	0.10	18.20
		1	12	17.20	16.77	17.05	0.00	17.60	17.26	17.25	17.36	0.10	18.20
		1	24	17.12	16.74	16.99	0.00	17.60	17.22	17.16	17.30	0.10	18.20
		12	0	17.13	16.95	17.01	0.00	17.60	17.46	17.22	17.31	0.10	18.20
		12	7	17.13	16.96	17.08	0.00	17.60	17.49	17.26	17.36	0.10	18.20
		12	13	17.15	16.92	17.01	0.00	17.60	17.46	17.22	17.33	0.10	18.20
		25	0	17.16	17.01	17.06	0.00	17.60	17.51	17.24	17.37	0.10	18.20

LTE Band 66 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131987.00	132322.00	132657.00			131987.00	132322.00	132657.00		
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	17.54	17.48	17.55	0.00	17.60	18.01	17.76	17.85	0.00	18.30
		1	8	17.41	17.39	17.53	0.00	17.60	17.88	17.65	17.75	0.00	18.30
		1	14	17.49	17.43	17.55	0.00	17.60	17.96	17.75	17.85	0.00	18.30
		8	0	17.41	17.55	17.44	0.00	17.60	18.09	17.86	17.97	0.00	18.30
		8	4	17.42	17.58	17.47	0.00	17.60	18.09	17.85	17.96	0.00	18.30
		8	7	17.44	17.57	17.48	0.00	17.60	18.10	17.87	17.97	0.00	18.30
		15	0	17.42	17.55	17.48	0.00	17.60	18.08	17.88	17.99	0.00	18.30
	16QAM	1	0	17.37	17.28	17.41	0.00	17.60	17.93	17.79	17.85	0.00	18.30
		1	8	17.30	17.20	17.36	0.00	17.60	17.88	17.72	17.78	0.00	18.30
		1	14	17.32	17.23	17.37	0.00	17.60	17.88	17.73	17.84	0.00	18.30
		8	0	17.35	17.23	17.35	0.00	17.60	17.91	17.71	17.79	0.00	18.30
		8	4	17.33	17.30	17.38	0.00	17.60	17.91	17.74	17.85	0.00	18.30
		8	7	17.35	17.30	17.37	0.00	17.60	17.91	17.74	17.84	0.00	18.30
		15	0	17.28	17.23	17.31	0.00	17.60	17.90	17.67	17.81	0.00	18.30
	64QAM	1	0	17.31	17.28	17.36	0.00	17.60	17.78	17.79	17.67	0.00	18.30
		1	8	17.24	17.27	17.35	0.00	17.60	17.69	17.77	17.65	0.00	18.30
		1	14	17.27	17.30	17.37	0.00	17.60	17.74	17.71	17.71	0.00	18.30
		8	0	17.04	17.13	17.21	0.00	17.60	17.64	17.54	17.64	0.00	18.30
		8	4	17.06	17.11	17.20	0.00	17.60	17.65	17.55	17.66	0.00	18.30
		8	7	17.06	17.12	17.20	0.00	17.60	17.65	17.54	17.65	0.00	18.30
		15	0	17.12	17.03	17.18	0.00	17.60	17.69	17.43	17.54	0.00	18.30
	256QAM	1	0	17.17	17.31	17.39	0.00	17.60	17.44	17.73	17.83	0.10	18.20
		1	8	17.21	17.30	17.36	0.00	17.60	17.48	17.70	17.79	0.10	18.20
		1	14	17.12	17.34	17.43	0.00	17.60	17.39	17.75	17.85	0.10	18.20
		8	0	17.33	16.89	16.99	0.00	17.60	17.59	17.37	17.40	0.10	18.20
		8	4	17.32	16.94	17.03	0.00	17.60	17.58	17.35	17.50	0.10	18.20
		8	7	17.35	16.93	17.02	0.00	17.60	17.58	17.33	17.44	0.10	18.20
		15	0	17.30	16.93	16.99	0.00	17.60	17.57	17.27	17.40	0.10	18.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131979.00	132322.00	132665.00			131979.00	132322.00	132665.00		
				1710.7 MHz	1745 MHz	1779.3 MHz			1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	17.43	17.36	17.43	0.00	17.60	18.06	17.71	17.81	0.00	18.30
		1	3	17.46	17.41	17.49	0.00	17.60	18.10	17.76	17.84	0.00	18.30
		1	5	17.44	17.31	17.45	0.00	17.60	18.05	17.73	17.83	0.00	18.30
		3	0	17.39	17.25	17.37	0.00	17.60	17.96	17.65	17.75	0.00	18.30
		3	1	17.45	17.36	17.46	0.00	17.60	18.03	17.73	17.82	0.00	18.30
		3	3	17.42	17.34	17.43	0.00	17.60	18.03	17.67	17.84	0.00	18.30
		6	0	17.53	17.43	17.54	0.00	17.60	18.07	17.80	17.91	0.00	18.30
	16QAM	1	0	17.26	17.12	17.30	0.00	17.60	17.89	17.68	17.77	0.00	18.30
		1	3	17.36	17.21	17.35	0.00	17.60	17.96	17.77	17.88	0.00	18.30
		1	5	17.30	17.15	17.31	0.00	17.60	17.86	17.70	17.85	0.00	18.30
		3	0	17.38	17.30	17.44	0.00	17.60	17.84	17.80	17.96	0.00	18.30
		3	1	17.49	17.42	17.56	0.00	17.60	17.84	17.94	17.95	0.00	18.30
		3	3	17.47	17.40	17.55	0.00	17.60	17.85	17.94	17.98	0.00	18.30
		6	0	17.44	17.35	17.47	0.00	17.60	17.97	17.84	17.96	0.00	18.30
	64QAM	1	0	17.16	16.90	17.02	0.00	17.60	17.76	17.65	17.76	0.00	18.30
		1	3	17.26	16.92	17.05	0.00	17.60	17.86	17.68	17.79	0.00	18.30
		1	5	17.15	16.85	17.01	0.00	17.60	17.77	17.64	17.75	0.00	18.30
		3	0	17.00	16.93	17.08	0.00	17.60	17.56	17.73	17.82	0.00	18.30
		3	1	17.04	17.00	17.14	0.00	17.60	17.61	17.77	17.88	0.00	18.30
		3	3	17.01	17.01	17.12	0.00	17.60	17.63	17.74	17.89	0.00	18.30
		6	0	16.65	17.16	17.26	0.00	17.60	17.13	17.82	17.86	0.00	18.30
	256QAM	1	0	17.09	16.74	16.92	0.00	17.60	17.54	17.16	17.41	0.10	18.20
		1	3	17.19	17.23	17.10	0.00	17.60	17.64	17.25	17.55	0.10	18.20
		1	5	17.10	17.08	17.13	0.00	17.60	17.54	17.16	17.39	0.10	18.20
		3	0	16.92	17.23	17.17	0.00	17.60	17.49	17.28	17.25	0.10	18.20
		3	1	17.03	17.25	17.19	0.00	17.60	17.48	17.32	17.32	0.10	18.20
		3	3	17.00	17.25	17.22	0.00	17.60	17.42	17.29	17.29	0.10	18.20
		6	0	16.86	17.18	17.33	0.00	17.60	17.38	17.22	17.22	0.10	18.20

LTE Band 66 Measured Results (ANT3)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132072	132322	132572	MPR	Tune-up Limit	132072	132322	132572	MPR	Tune-up Limit
				1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	24.62	24.64	24.22	0.00	25.20	20.84	20.74	20.77	0.00	21.50
		1	49	24.65	24.70	24.29	0.00	25.20	20.85	20.85	20.84	0.00	21.50
		1	99	24.48	24.60	24.29	0.00	25.20	20.73	20.71	20.83	0.00	21.50
		50	0	23.68	23.45	23.30	1.00	24.20	20.89	20.77	20.86	0.00	21.50
		50	24	23.71	23.71	23.40	1.00	24.20	20.91	21.00	20.99	0.00	21.50
		50	50	23.57	23.27	23.38	1.00	24.20	20.75	20.76	20.96	0.00	21.50
		100	0	23.66	23.68	23.31	1.00	24.20	20.97	20.97	20.87	0.00	21.50
	16QAM	1	0	23.60	23.58	23.34	1.00	24.20	21.00	20.96	20.96	0.00	21.50
		1	49	23.60	23.39	23.38	1.00	24.20	20.92	20.91	21.05	0.00	21.50
		1	99	23.55	23.34	23.35	1.00	24.20	20.89	20.94	21.05	0.00	21.50
		50	0	22.73	22.46	22.26	2.00	23.20	20.88	20.78	20.90	0.00	21.50
		50	24	22.73	22.39	22.30	2.00	23.20	20.81	20.81	20.93	0.00	21.50
		50	50	22.61	22.31	22.35	2.00	23.20	20.77	20.79	21.01	0.00	21.50
		100	0	22.72	22.35	22.27	2.00	23.20	20.82	20.78	20.90	0.00	21.50
	64QAM	1	0	22.90	22.56	22.40	2.00	23.20	21.00	20.81	20.94	0.00	21.50
		1	49	22.90	22.59	22.58	2.00	23.20	21.00	20.82	20.93	0.00	21.50
		1	99	22.90	22.58	22.57	2.00	23.20	20.99	20.82	21.03	0.00	21.50
		50	0	21.90	21.89	21.31	3.00	22.20	20.99	20.82	20.90	0.30	21.20
		50	24	21.89	21.90	21.32	3.00	22.20	20.98	20.82	20.95	0.30	21.20
		50	50	21.89	21.90	21.40	3.00	22.20	20.99	20.82	21.00	0.30	21.20
		100	0	21.89	21.89	21.33	3.00	22.20	20.99	20.81	20.88	0.30	21.20
	256QAM	1	0	19.90	19.73	19.17	5.00	20.20	19.84	19.46	19.78	1.30	20.20
		1	49	19.83	19.49	19.26	5.00	20.20	19.71	19.36	19.74	1.30	20.20
		1	99	19.76	19.46	19.27	5.00	20.20	19.67	19.44	19.86	1.30	20.20
		50	0	19.73	19.43	19.31	5.00	20.20	19.61	19.51	19.60	1.30	20.20
		50	24	19.75	19.39	19.34	5.00	20.20	19.52	19.53	19.65	1.30	20.20
		50	50	19.61	19.28	19.41	5.00	20.20	19.45	19.50	19.70	1.30	20.20
		100	0	19.70	19.33	19.30	5.00	20.20	19.47	19.50	19.58	1.30	20.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132047.00	132322.00	132597.00	MPR	Tune-up Limit	132047.00	132322.00	132597.00	MPR	Tune-up Limit
				1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	24.58	24.39	24.32	0.00	25.20	20.81	20.72	20.84	0.00	21.50
		1	37	24.58	24.22	24.34	0.00	25.20	20.73	20.69	20.88	0.00	21.50
		1	74	24.53	24.13	24.33	0.00	25.20	20.69	20.69	20.84	0.00	21.50
		36	0	23.69	23.40	23.31	1.00	24.20	20.88	20.77	20.91	0.00	21.50
		36	20	23.70	23.38	23.36	1.00	24.20	20.90	20.81	20.96	0.00	21.50
		36	39	23.67	23.32	23.40	1.00	24.20	20.77	20.75	21.00	0.00	21.50
		75	0	23.66	23.33	23.28	1.00	24.20	20.74	20.75	20.90	0.00	21.50
	16QAM	1	0	23.26	23.50	23.56	1.00	24.20	21.26	21.20	20.87	0.00	21.50
		1	37	23.32	23.41	23.58	1.00	24.20	21.26	21.27	20.97	0.00	21.50
		1	74	23.24	23.31	23.52	1.00	24.20	21.22	21.18	20.88	0.00	21.50
		36	0	22.66	22.44	22.30	2.00	23.20	20.95	20.71	20.94	0.00	21.50
		36	20	22.70	22.40	22.32	2.00	23.20	20.98	20.75	20.95	0.00	21.50
		36	39	22.67	22.33	22.40	2.00	23.20	20.84	20.72	21.01	0.00	21.50
		75	0	22.67	22.36	22.32	2.00	23.20	20.84	20.73	20.93	0.00	21.50
	64QAM	1	0	22.55	22.32	22.85	2.00	23.20	20.77	21.19	20.99	0.00	21.50
		1	37	22.56	22.31	22.87	2.00	23.20	20.78	21.17	21.11	0.00	21.50
		1	74	22.55	22.32	22.90	2.00	23.20	20.80	21.17	21.09	0.00	21.50
		36	0	21.57	21.34	21.32	3.00	22.20	20.77	21.17	21.01	0.30	21.20
		36	20	21.56	21.35	21.35	3.00	22.20	20.78	21.17	21.03	0.30	21.20
		36	39	21.56	21.35	21.41	3.00	22.20	20.78	21.17	21.10	0.30	21.20
		75	0	21.56	21.35	21.35	3.00	22.20	20.78	21.18	20.94	0.30	21.20
	256QAM	1	0	19.52	19.87	19.51	5.00	20.20	19.97	19.67	19.38	1.30	20.20
		1	37	19.49	19.73	19.56	5.00	20.20	19.97	19.66	19.48	1.30	20.20
		1	74	19.49	19.66	19.59	5.00	20.20	19.83	19.65	19.46	1.30	20.20
		36	0	19.73	19.44	19.32	5.00	20.20	19.62	19.47	19.65	1.30	20.20
		36	20	19.74	19.41	19.34	5.00	20.20	19.64	19.48	19.66	1.30	20.20
		36	39	19.70	19.34	19.39	5.00	20.20	19.50	19.45	19.71	1.30	20.20
		75	0	19.66	19.37	19.31	5.00	20.20	19.53	19.47	19.61	1.30	20.20

LTE Band 66 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132022.00	132322.00	132622.00	MPR	Tune-up Limit	132022.00	132322.00	132622.00	MPR	Tune-up Limit
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	24.51	24.38	24.37	0.00	25.20	20.76	20.66	20.93	0.00	21.50
		1	25	24.52	24.20	24.33	0.00	25.20	20.65	20.56	20.87	0.00	21.50
		1	49	24.50	24.16	24.35	0.00	25.20	20.68	20.59	20.84	0.00	21.50
		25	0	23.67	23.40	23.33	1.00	24.20	20.82	20.75	20.89	0.00	21.50
		25	12	23.61	23.36	23.33	1.00	24.20	20.86	20.76	20.93	0.00	21.50
		25	25	23.56	23.29	23.37	1.00	24.20	20.76	20.71	20.92	0.00	21.50
		50	0	23.60	23.33	23.32	1.00	24.20	20.82	20.73	20.89	0.00	21.50
	16QAM	1	0	23.42	23.10	23.50	1.00	24.20	20.88	20.71	21.24	0.00	21.50
		1	25	23.33	22.92	23.48	1.00	24.20	20.77	20.64	21.24	0.00	21.50
		1	49	23.30	22.87	23.42	1.00	24.20	20.83	20.60	21.27	0.00	21.50
		25	0	22.77	22.43	22.42	2.00	23.20	20.94	20.80	20.97	0.00	21.50
		25	12	22.72	22.39	22.40	2.00	23.20	20.95	20.78	20.99	0.00	21.50
		25	25	22.68	22.31	22.44	2.00	23.20	20.89	20.74	21.01	0.00	21.50
		50	0	22.63	22.32	22.35	2.00	23.20	20.86	20.70	20.93	0.00	21.50
	64QAM	1	0	22.59	22.30	22.49	2.00	23.20	20.81	20.87	20.93	0.00	21.50
		1	25	22.63	22.32	22.56	2.00	23.20	20.81	20.95	21.10	0.00	21.50
		1	49	22.63	22.33	22.53	2.00	23.20	20.79	20.95	21.10	0.00	21.50
		25	0	21.60	21.34	21.43	3.00	22.20	20.79	20.96	21.01	0.30	21.20
		25	12	21.62	21.34	21.41	3.00	22.20	20.80	20.96	21.02	0.30	21.20
		25	25	21.65	21.34	21.47	3.00	22.20	20.80	20.94	21.06	0.30	21.20
		50	0	21.61	21.33	21.33	3.00	22.20	20.82	20.94	20.95	0.30	21.20
	256QAM	1	0	19.59	19.85	19.38	5.00	20.20	20.00	19.50	19.47	1.30	20.20
		1	25	19.52	19.81	19.40	5.00	20.20	19.95	19.45	19.48	1.30	20.20
		1	49	19.45	19.71	19.39	5.00	20.20	19.91	19.42	19.49	1.30	20.20
		25	0	19.79	19.39	19.43	5.00	20.20	19.60	19.54	19.66	1.30	20.20
		25	12	19.74	19.41	19.40	5.00	20.20	19.61	19.53	19.71	1.30	20.20
		25	25	19.68	19.32	19.49	5.00	20.20	19.54	19.52	19.74	1.30	20.20
		50	0	19.65	19.38	19.36	5.00	20.20	19.56	19.49	19.61	1.30	20.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131997.00	132322.00	132647.00	MPR	Tune-up Limit	131997.00	132322.00	132647.00	MPR	Tune-up Limit
				1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	24.62	24.19	24.29	0.00	25.20	20.73	20.73	20.82	0.00	21.50
		1	12	24.68	24.15	24.33	0.00	25.20	20.78	20.71	20.88	0.00	21.50
		1	24	24.64	24.05	24.34	0.00	25.20	20.66	20.63	20.82	0.00	21.50
		12	0	23.61	23.22	23.36	1.00	24.20	20.78	20.63	20.93	0.00	21.50
		12	7	23.64	23.28	23.39	1.00	24.20	20.84	20.71	20.97	0.00	21.50
		12	13	23.62	23.23	23.32	1.00	24.20	20.71	20.66	20.94	0.00	21.50
		25	0	23.60	23.21	23.31	1.00	24.20	20.69	20.69	20.93	0.00	21.50
	16QAM	1	0	23.42	23.41	23.17	1.00	24.20	20.91	20.75	21.20	0.00	21.50
		1	12	23.43	23.39	23.19	1.00	24.20	20.96	20.77	21.29	0.00	21.50
		1	24	23.42	23.33	23.12	1.00	24.20	20.85	20.72	21.19	0.00	21.50
		12	0	22.67	22.38	22.40	2.00	23.20	20.89	20.76	21.13	0.00	21.50
		12	7	22.72	22.39	22.40	2.00	23.20	20.86	20.78	21.13	0.00	21.50
		12	13	22.67	22.35	22.41	2.00	23.20	20.77	20.76	21.08	0.00	21.50
		25	0	22.60	22.30	22.29	2.00	23.20	20.69	20.72	21.00	0.00	21.50
	64QAM	1	0	22.73	22.69	22.72	2.00	23.20	20.91	21.02	21.29	0.00	21.50
		1	12	22.74	22.67	22.74	2.00	23.20	20.91	21.02	21.28	0.00	21.50
		1	24	22.73	22.71	22.66	2.00	23.20	20.92	21.02	21.21	0.00	21.50
		12	0	21.74	21.71	21.36	3.00	22.20	20.92	21.06	20.92	0.30	21.20
		12	7	21.72	21.69	21.41	3.00	22.20	20.92	21.05	20.96	0.30	21.20
		12	13	21.73	21.70	21.34	3.00	22.20	20.93	21.05	20.89	0.30	21.20
		25	0	21.73	21.70	21.39	3.00	22.20	20.92	21.05	20.90	0.30	21.20
	256QAM	1	0	19.46	19.33	19.51	5.00	20.20	19.35	19.43	19.79	1.30	20.20
		1	12	19.48	19.37	19.58	5.00	20.20	19.36	19.47	19.85	1.30	20.20
		1	24	19.39	19.24	19.48	5.00	20.20	19.30	19.35	19.75	1.30	20.20
		12	0	19.67	19.33	19.44	5.00	20.20	19.58	19.42	19.72	1.30	20.20
		12	7	19.69	19.35	19.53	5.00	20.20	19.58	19.42	19.78	1.30	20.20
		12	13	19.67	19.31	19.46	5.00	20.20	19.43	19.43	19.71	1.30	20.20
		25	0	19.74	19.33	19.41	5.00	20.20	19.49	19.45	19.70	1.30	20.20

LTE Band 66 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131987.00	132322.00	132657.00			131987.00	132322.00	132657.00		
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	24.52	24.15	24.30	0.00	25.20	20.72	20.56	20.92	0.00	21.50
		1	8	24.40	24.05	24.20	0.00	25.20	20.61	20.50	20.83	0.00	21.50
		1	14	24.49	24.15	24.32	0.00	25.20	20.66	20.59	20.89	0.00	21.50
		8	0	23.60	23.24	23.32	1.00	24.20	20.80	20.67	20.94	0.00	21.50
		8	4	23.63	23.25	23.32	1.00	24.20	20.81	20.69	20.96	0.00	21.50
		8	7	23.61	23.24	23.33	1.00	24.20	20.80	20.69	20.92	0.00	21.50
		15	0	23.63	23.25	23.34	1.00	24.20	20.83	20.66	20.93	0.00	21.50
	16QAM	1	0	23.41	22.88	23.52	1.00	24.20	20.90	20.63	21.28	0.00	21.50
		1	8	23.34	22.78	23.51	1.00	24.20	20.85	20.50	21.20	0.00	21.50
		1	14	23.36	22.83	23.50	1.00	24.20	20.85	20.59	21.25	0.00	21.50
		8	0	22.66	22.35	22.42	2.00	23.20	20.85	20.83	21.05	0.00	21.50
		8	4	22.69	22.33	22.39	2.00	23.20	20.89	20.78	20.99	0.00	21.50
		8	7	22.67	22.34	22.43	2.00	23.20	20.88	20.82	21.06	0.00	21.50
		15	0	22.59	22.27	22.42	2.00	23.20	20.81	20.75	21.04	0.00	21.50
	64QAM	1	0	22.68	22.49	22.45	2.00	23.20	20.88	20.87	21.02	0.00	21.50
		1	8	22.67	22.49	22.53	2.00	23.20	20.88	20.87	21.08	0.00	21.50
		1	14	22.69	22.50	22.49	2.00	23.20	20.87	20.85	21.02	0.00	21.50
		8	0	21.70	21.48	21.45	3.00	22.20	20.88	20.86	21.02	0.30	21.20
		8	4	21.68	21.49	21.45	3.00	22.20	20.87	20.87	21.03	0.30	21.20
		8	7	21.69	21.47	21.46	3.00	22.20	20.87	20.85	21.02	0.30	21.20
		15	0	21.69	21.47	21.47	3.00	22.20	20.90	20.88	21.03	0.30	21.20
	256QAM	1	0	19.77	19.26	19.19	5.00	20.20	19.90	19.35	19.48	1.30	20.20
		1	8	19.72	19.31	19.13	5.00	20.20	19.88	19.40	19.35	1.30	20.20
		1	14	19.78	19.18	19.18	5.00	20.20	19.88	19.34	19.43	1.30	20.20
		8	0	19.81	19.44	19.33	5.00	20.20	19.61	19.54	19.62	1.30	20.20
		8	4	19.83	19.41	19.33	5.00	20.20	19.71	19.50	19.66	1.30	20.20
		8	7	19.78	19.40	19.38	5.00	20.20	19.67	19.54	19.67	1.30	20.20
		15	0	19.77	19.38	19.49	5.00	20.20	19.58	19.51	19.79	1.30	20.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131979.00	132322.00	132665.00			131979.00	132322.00	132665.00		
				1710.7 MHz	1745 MHz	1779.3 MHz			1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	24.45	24.13	24.22	0.00	25.20	20.59	20.60	20.81	0.00	21.50
		1	3	24.48	24.26	24.22	0.00	25.20	20.65	20.62	20.80	0.00	21.50
		1	5	24.46	24.13	24.24	0.00	25.20	20.60	20.57	20.78	0.00	21.50
		3	0	24.43	24.05	24.17	0.00	25.20	20.57	20.52	20.78	0.00	21.50
		3	1	24.44	24.03	24.27	0.00	25.20	20.64	20.58	20.83	0.00	21.50
		3	3	24.37	23.96	24.26	0.00	25.20	20.66	20.56	20.85	0.00	21.50
		6	0	23.50	23.20	23.24	1.00	24.20	20.71	20.61	20.86	0.00	21.50
	16QAM	1	0	23.54	23.22	23.64	1.00	24.20	20.76	20.71	21.30	0.00	21.50
		1	3	23.62	23.18	23.80	1.00	24.20	20.81	20.64	21.28	0.00	21.50
		1	5	23.56	23.24	23.67	1.00	24.20	20.77	20.70	21.13	0.00	21.50
		3	0	23.74	23.25	23.42	1.00	24.20	20.92	20.63	21.13	0.00	21.50
		3	1	23.79	23.24	23.56	1.00	24.20	20.96	20.72	21.16	0.00	21.50
		3	3	23.76	23.16	23.50	1.00	24.20	21.04	20.73	21.10	0.00	21.50
		6	0	22.69	22.30	22.23	2.00	23.20	20.91	20.79	20.83	0.00	21.50
	64QAM	1	0	22.67	22.04	22.12	2.00	23.20	20.57	20.52	21.09	0.00	21.50
		1	3	22.65	22.06	22.15	2.00	23.20	20.61	20.53	21.23	0.00	21.50
		1	5	22.65	22.03	22.14	2.00	23.20	20.64	20.53	21.09	0.00	21.50
		3	0	22.72	22.03	22.12	2.00	23.20	20.63	20.50	21.22	0.00	21.50
		3	1	22.78	22.07	22.13	2.00	23.20	20.63	20.52	21.28	0.00	21.50
		3	3	22.79	22.01	22.08	2.00	23.20	20.63	20.52	21.29	0.00	21.50
		6	0	21.55	21.62	21.77	3.00	22.20	20.63	20.43	20.89	0.30	21.20
	256QAM	1	0	19.70	19.37	19.30	5.00	20.20	19.57	19.46	19.70	1.30	20.20
		1	3	19.85	19.51	19.38	5.00	20.20	19.72	19.59	19.82	1.30	20.20
		1	5	19.68	19.38	19.27	5.00	20.20	19.61	19.47	19.66	1.30	20.20
		3	0	19.59	19.27	19.41	5.00	20.20	19.49	19.29	19.65	1.30	20.20
		3	1	19.59	19.25	19.47	5.00	20.20	19.49	19.30	19.62	1.30	20.20
		3	3	19.54	19.26	19.50	5.00	20.20	19.39	19.27	19.61	1.30	20.20
		6	0	19.50	19.16	19.35	5.00	20.20	19.43	19.26	19.54	1.30	20.20

LTE Band 66 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132072	132322	132572	MPR	Tune-up Limit	132072	132322	132572	MPR	Tune-up Limit
				1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	19.45	19.51	19.50	0.00	20.30	20.72	20.74	20.68	0.00	21.50
		1	49	19.50	19.58	19.55	0.00	20.30	20.75	20.84	20.85	0.00	21.50
		1	99	19.48	19.57	19.51	0.00	20.30	20.60	20.60	20.69	0.00	21.50
		50	0	19.70	19.73	19.64	0.00	20.30	20.77	20.67	20.53	0.00	21.50
		50	24	19.74	19.75	19.68	0.00	20.30	20.78	20.95	20.95	0.00	21.50
		50	50	19.68	19.73	19.66	0.00	20.30	20.63	20.62	20.45	0.00	21.50
		100	0	19.70	19.72	19.67	0.00	20.30	20.65	20.66	20.50	0.00	21.50
	16QAM	1	0	19.60	19.65	19.53	0.00	20.30	20.67	20.74	20.54	0.00	21.50
		1	49	19.52	19.61	19.44	0.00	20.30	20.68	20.68	20.43	0.00	21.50
		1	99	19.51	19.56	19.44	0.00	20.30	20.61	20.64	20.32	0.00	21.50
		50	0	19.57	19.55	19.51	0.30	20.00	20.71	20.70	20.54	0.30	21.20
		50	24	19.59	19.54	19.50	0.00	20.30	20.75	20.72	20.50	0.30	21.20
		50	50	19.47	19.52	19.46	0.00	20.30	20.59	20.67	20.43	0.30	21.20
		100	0	19.50	19.53	19.49	0.00	20.30	20.65	20.74	20.52	0.30	21.20
	64QAM	1	0	19.63	19.70	19.86	0.00	20.30	20.60	20.60	20.50	0.30	21.20
		1	49	19.62	19.70	19.81	0.00	20.30	20.58	20.52	20.44	0.30	21.20
		1	99	19.63	19.70	19.70	0.00	20.30	20.50	20.42	20.53	0.30	21.20
		50	0	19.63	19.70	19.60	0.10	20.20	19.98	19.88	19.79	1.30	20.20
		50	24	19.63	19.70	19.60	0.10	20.20	20.00	19.89	19.78	1.30	20.20
		50	50	19.65	19.69	19.59	0.10	20.20	19.86	19.82	19.71	1.30	20.20
		100	0	19.62	19.70	19.55	0.10	20.20	19.86	19.84	19.73	1.30	20.20
	256QAM	1	0	17.95	18.00	17.99	2.10	18.20	17.90	17.83	18.00	3.30	18.20
		1	49	17.88	17.98	17.94	2.10	18.20	17.82	17.73	17.91	3.30	18.20
		1	99	17.83	17.94	17.99	2.10	18.20	17.77	17.65	17.84	3.30	18.20
		50	0	17.96	17.98	17.97	2.10	18.20	17.98	17.90	17.83	3.30	18.20
		50	24	17.97	17.99	17.98	2.10	18.20	18.00	17.94	17.80	3.30	18.20
		50	50	17.96	17.96	17.93	2.10	18.20	17.91	17.86	17.77	3.30	18.20
		100	0	17.92	17.94	17.90	2.10	18.20	17.90	17.89	17.77	3.30	18.20
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132047.00	132322.00	132597.00	MPR	Tune-up Limit	132047.00	132322.00	132597.00	MPR	Tune-up Limit
				1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	19.58	19.39	19.43	0.00	20.30	20.71	20.63	20.69	0.00	21.50
		1	37	19.54	19.41	19.31	0.00	20.30	20.71	20.61	20.55	0.00	21.50
		1	74	19.51	19.37	19.36	0.00	20.30	20.68	20.52	20.51	0.00	21.50
		36	0	19.61	19.51	19.47	0.00	20.30	20.75	20.66	20.64	0.00	21.50
		36	20	19.65	19.55	19.51	0.00	20.30	20.81	20.71	20.66	0.00	21.50
		36	39	19.60	19.52	19.45	0.00	20.30	20.76	20.64	20.60	0.00	21.50
		75	0	19.57	19.51	19.45	0.00	20.30	20.72	20.65	20.63	0.00	21.50
	16QAM	1	0	19.51	19.70	19.67	0.00	20.30	21.15	21.01	21.11	0.00	21.50
		1	37	19.70	19.70	19.59	0.00	20.30	21.22	21.11	20.97	0.00	21.50
		1	74	19.63	19.70	19.60	0.00	20.30	21.13	20.91	20.98	0.00	21.50
		36	0	19.56	19.49	19.50	0.30	20.00	20.70	20.62	20.64	0.30	21.20
		36	20	19.59	19.53	19.54	0.00	20.30	20.73	20.65	20.65	0.30	21.20
		36	39	19.55	19.50	19.50	0.00	20.30	20.70	20.61	20.60	0.30	21.20
		75	0	19.57	19.48	19.48	0.00	20.30	20.72	20.64	20.63	0.30	21.20
	64QAM	1	0	19.44	19.41	19.70	0.00	20.30	20.95	20.95	20.78	0.30	21.20
		1	37	19.44	19.38	19.64	0.00	20.30	21.00	20.97	20.68	0.30	21.20
		1	74	19.45	19.38	19.69	0.00	20.30	20.99	20.84	20.69	0.30	21.20
		36	0	19.46	19.38	19.53	0.10	20.20	19.93	19.84	19.94	1.30	20.20
		36	20	19.45	19.38	19.52	0.10	20.20	19.98	19.82	19.95	1.30	20.20
		36	39	19.44	19.37	19.51	0.10	20.20	19.94	19.80	19.93	1.30	20.20
		75	0	19.45	19.38	19.56	0.10	20.20	19.95	19.84	19.86	1.30	20.20
	256QAM	1	0	17.81	17.92	17.98	2.10	18.20	17.99	17.98	17.73	3.30	18.20
		1	37	17.84	17.92	17.98	2.10	18.20	17.97	17.94	17.68	3.30	18.20
		1	74	17.83	18.00	17.94	2.10	18.20	17.96	17.93	17.64	3.30	18.20
		36	0	17.85	17.97	17.97	2.10	18.20	17.95	17.85	17.93	3.30	18.20
		36	20	17.80	18.00	17.99	2.10	18.20	17.98	17.86	17.95	3.30	18.20
		36	39	17.99	17.99	17.92	2.10	18.20	17.92	17.80	17.87	3.30	18.20
		75	0	18.00	17.97	17.93	2.10	18.20	17.94	17.83	17.88	3.30	18.20

LTE Band 66 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				132022.00	132322.00	132622.00			132022.00	132322.00	132622.00		
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	19.45	19.39	19.38	0.00	20.30	20.60	20.51	20.53	0.00	21.50
		1	25	19.39	19.34	19.31	0.00	20.30	20.52	20.43	20.48	0.00	21.50
		1	49	19.40	19.32	19.32	0.00	20.30	20.57	20.41	20.45	0.00	21.50
		25	0	19.54	19.51	19.42	0.00	20.30	20.68	20.61	20.61	0.00	21.50
		25	12	19.56	19.50	19.44	0.00	20.30	20.70	20.61	20.61	0.00	21.50
		25	25	19.51	19.47	19.40	0.00	20.30	20.67	20.58	20.56	0.00	21.50
		50	0	19.53	19.49	19.41	0.00	20.30	20.68	20.59	20.58	0.00	21.50
	16QAM	1	0	19.59	19.50	19.80	0.00	20.30	20.77	20.63	20.52	0.00	21.50
		1	25	19.53	19.37	19.77	0.00	20.30	20.63	20.52	20.41	0.00	21.50
		1	49	19.51	19.34	19.78	0.00	20.30	20.60	20.49	20.42	0.00	21.50
		25	0	19.67	19.55	19.48	0.30	20.00	20.77	20.69	20.61	0.30	21.20
		25	12	19.70	19.54	19.51	0.00	20.30	20.79	20.70	20.63	0.30	21.20
		25	25	19.64	19.51	19.47	0.00	20.30	20.73	20.65	20.58	0.30	21.20
		50	0	19.60	19.47	19.48	0.00	20.30	20.70	20.61	20.56	0.30	21.20
	64QAM	1	0	19.50	19.42	19.66	0.00	20.30	20.74	20.78	20.78	0.30	21.20
		1	25	19.50	19.41	19.61	0.00	20.30	20.74	20.69	20.67	0.30	21.20
		1	49	19.51	19.41	19.57	0.00	20.30	20.84	20.64	20.66	0.30	21.20
		25	0	19.50	19.41	19.55	0.10	20.20	19.98	19.90	19.85	1.30	20.20
		25	12	19.48	19.41	19.55	0.10	20.20	20.00	19.92	19.86	1.30	20.20
		25	25	19.50	19.41	19.55	0.10	20.20	19.96	19.90	19.83	1.30	20.20
		50	0	19.51	19.42	19.49	0.10	20.20	19.92	19.86	19.77	1.30	20.20
	256QAM	1	0	17.90	17.94	17.97	2.10	18.20	17.80	17.78	17.86	3.30	18.20
		1	25	17.79	17.92	17.90	2.10	18.20	17.71	17.65	17.80	3.30	18.20
		1	49	17.83	17.74	17.89	2.10	18.20	17.73	17.52	17.78	3.30	18.20
		25	0	17.84	17.92	17.97	2.10	18.20	17.98	17.92	17.89	3.30	18.20
		25	12	17.88	17.95	17.98	2.10	18.20	18.00	17.95	17.89	3.30	18.20
		25	25	17.83	17.92	17.96	2.10	18.20	18.00	17.87	17.84	3.30	18.20
		50	0	17.98	17.96	17.92	2.10	18.20	17.96	17.85	17.85	3.30	18.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131997.00	132322.00	132647.00			131997.00	132322.00	132647.00		
				1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	19.47	19.44	19.40	0.00	20.30	20.61	20.52	20.49	0.00	21.50
		1	12	19.54	19.43	19.30	0.00	20.30	20.67	20.55	20.54	0.00	21.50
		1	24	19.47	19.40	19.30	0.00	20.30	20.62	20.50	20.55	0.00	21.50
		12	0	19.55	19.44	19.39	0.00	20.30	20.69	20.56	20.54	0.00	21.50
		12	7	19.59	19.47	19.41	0.00	20.30	20.74	20.63	20.61	0.00	21.50
		12	13	19.54	19.44	19.39	0.00	20.30	20.68	20.54	20.55	0.00	21.50
		25	0	19.53	19.43	19.36	0.00	20.30	20.66	20.57	20.53	0.00	21.50
	16QAM	1	0	19.63	19.57	19.64	0.00	20.30	20.78	20.66	20.64	0.00	21.50
		1	12	19.70	19.56	19.68	0.00	20.30	20.88	20.74	20.70	0.00	21.50
		1	24	19.65	19.55	19.65	0.00	20.30	20.76	20.63	20.60	0.00	21.50
		12	0	19.64	19.54	19.59	0.30	20.00	20.75	20.64	20.64	0.30	21.20
		12	7	19.66	19.58	19.61	0.00	20.30	20.78	20.66	20.62	0.30	21.20
		12	13	19.63	19.53	19.56	0.00	20.30	20.74	20.65	20.61	0.30	21.20
		25	0	19.53	19.48	19.47	0.00	20.30	20.64	20.52	20.51	0.30	21.20
	64QAM	1	0	19.58	19.48	19.62	0.00	20.30	21.00	20.74	20.82	0.30	21.20
		1	12	19.58	19.48	19.69	0.00	20.30	20.91	20.80	20.84	0.30	21.20
		1	24	19.58	19.49	19.65	0.00	20.30	20.86	20.72	20.79	0.30	21.20
		12	0	19.58	19.49	19.52	0.10	20.20	19.96	19.80	19.70	1.30	20.20
		12	7	19.58	19.49	19.53	0.10	20.20	19.94	19.82	19.73	1.30	20.20
		12	13	19.58	19.53	19.50	0.10	20.20	19.95	19.82	19.68	1.30	20.20
		25	0	19.58	19.48	19.46	0.10	20.20	19.88	19.76	19.68	1.30	20.20
	256QAM	1	0	17.95	17.68	17.83	2.10	18.20	17.89	17.79	17.89	3.30	18.20
		1	12	18.00	17.69	17.91	2.10	18.20	17.96	17.82	17.96	3.30	18.20
		1	24	17.93	17.62	17.83	2.10	18.20	17.90	17.71	17.88	3.30	18.20
		12	0	17.99	17.85	17.86	2.10	18.20	17.92	17.79	17.84	3.30	18.20
		12	7	17.95	17.89	17.90	2.10	18.20	17.96	17.84	17.87	3.30	18.20
		12	13	17.96	17.87	17.90	2.10	18.20	17.92	17.78	17.80	3.30	18.20
		25	0	17.92	17.92	17.88	2.10	18.20	17.94	17.81	17.76	3.30	18.20

LTE Band 66 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131987.00	132322.00	132657.00			131987.00	132322.00	132657.00		
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	19.44	19.34	19.36	0.00	20.30	20.57	20.46	20.48	0.00	21.50
		1	8	19.37	19.31	19.30	0.00	20.30	20.50	20.39	20.36	0.00	21.50
		1	14	19.41	19.35	19.35	0.00	20.30	20.59	20.46	20.46	0.00	21.50
		8	0	19.54	19.44	19.41	0.00	20.30	20.67	20.59	20.55	0.00	21.50
		8	4	19.55	19.42	19.37	0.00	20.30	20.68	20.59	20.54	0.00	21.50
		8	7	19.55	19.45	19.40	0.00	20.30	20.69	20.60	20.58	0.00	21.50
		15	0	19.55	19.45	19.42	0.00	20.30	20.67	20.57	20.57	0.00	21.50
	16QAM	1	0	19.64	19.37	19.59	0.00	20.30	20.58	20.66	20.61	0.00	21.50
		1	8	19.57	19.32	19.56	0.00	20.30	20.53	20.58	20.55	0.00	21.50
		1	14	19.59	19.33	19.58	0.00	20.30	20.57	20.64	20.59	0.00	21.50
		8	0	19.60	19.56	19.52	0.30	20.00	20.79	20.56	20.56	0.30	21.20
		8	4	19.63	19.55	19.46	0.00	20.30	20.78	20.62	20.60	0.30	21.20
		8	7	19.63	19.59	19.51	0.00	20.30	20.81	20.65	20.63	0.30	21.20
		15	0	19.55	19.49	19.48	0.00	20.30	20.71	20.57	20.52	0.30	21.20
	64QAM	1	0	19.38	19.42	19.63	0.00	20.30	21.00	20.80	20.59	0.30	21.20
		1	8	19.38	19.44	19.53	0.00	20.30	20.99	20.71	20.61	0.30	21.20
		1	14	19.38	19.45	19.60	0.00	20.30	21.00	20.73	20.62	0.30	21.20
		8	0	19.38	19.45	19.43	0.10	20.20	19.98	19.71	19.81	1.30	20.20
		8	4	19.39	19.44	19.44	0.10	20.20	19.98	19.74	19.83	1.30	20.20
		8	7	19.39	19.44	19.44	0.10	20.20	19.98	19.79	19.85	1.30	20.20
		15	0	19.38	19.44	19.48	0.10	20.20	19.90	19.77	19.84	1.30	20.20
	256QAM	1	0	17.81	17.97	17.79	2.10	18.20	18.00	17.71	17.62	3.30	18.20
		1	8	18.00	17.91	17.88	2.10	18.20	17.95	17.78	17.50	3.30	18.20
		1	14	17.95	17.95	17.80	2.10	18.20	18.00	17.67	17.56	3.30	18.20
		8	0	17.60	17.97	18.00	2.10	18.20	17.65	17.90	17.73	3.30	18.20
		8	4	17.66	17.97	17.98	2.10	18.20	17.62	17.91	17.79	3.30	18.20
		8	7	18.00	17.97	18.00	2.10	18.20	17.63	17.91	17.79	3.30	18.20
		15	0	18.00	17.93	17.96	2.10	18.20	17.97	17.86	17.88	3.30	18.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131979.00	132322.00	132665.00			131979.00	132322.00	132665.00		
				1710.7 MHz	1745 MHz	1779.3 MHz			1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	19.61	19.51	19.41	0.00	20.30	20.56	20.40	20.38	0.00	21.50
		1	3	19.62	19.51	19.44	0.00	20.30	20.61	20.44	20.48	0.00	21.50
		1	5	19.60	19.49	19.42	0.00	20.30	20.57	20.43	20.41	0.00	21.50
		3	0	19.50	19.49	19.41	0.00	20.30	20.53	20.38	20.36	0.00	21.50
		3	1	19.59	19.49	19.46	0.00	20.30	20.59	20.43	20.43	0.00	21.50
		3	3	19.57	19.56	19.49	0.00	20.30	20.63	20.30	20.41	0.00	21.50
		6	0	19.62	19.55	19.53	0.00	20.30	20.62	20.50	20.49	0.00	21.50
	16QAM	1	0	19.35	19.33	19.30	0.00	20.30	21.02	20.50	20.49	0.00	21.50
		1	3	19.32	19.51	19.30	0.00	20.30	21.19	20.60	20.60	0.00	21.50
		1	5	19.34	19.32	19.30	0.00	20.30	21.04	20.52	20.55	0.00	21.50
		3	0	19.51	19.40	19.51	0.30	20.00	20.76	20.68	20.68	0.00	21.50
		3	1	19.54	19.39	19.60	0.00	20.30	20.88	20.78	20.73	0.00	21.50
		3	3	19.55	19.36	19.59	0.00	20.30	20.84	20.77	20.73	0.00	21.50
		6	0	19.49	19.60	19.37	0.00	20.30	20.55	20.72	20.70	0.00	21.50
	64QAM	1	0	19.57	19.60	19.55	0.00	20.30	20.87	20.58	20.57	0.00	21.50
		1	3	19.60	19.60	19.64	0.00	20.30	20.93	20.59	20.59	0.00	21.50
		1	5	19.59	19.60	19.52	0.00	20.30	20.89	20.53	20.55	0.00	21.50
		3	0	19.60	19.60	19.45	0.00	20.30	20.59	20.63	20.65	0.00	21.50
		3	1	19.60	19.60	19.45	0.00	20.30	20.63	20.68	20.71	0.00	21.50
		3	3	19.61	19.60	19.49	0.00	20.30	20.58	20.68	20.66	0.00	21.50
		6	0	19.59	19.60	19.20	0.10	20.20	19.91	20.00	19.95	1.30	20.20
	256QAM	1	0	18.05	17.80	18.04	2.10	18.20	17.82	17.54	17.54	3.30	18.20
		1	3	18.14	17.88	18.16	2.10	18.20	17.89	17.57	17.59	3.30	18.20
		1	5	18.07	17.88	18.05	2.10	18.20	17.83	17.54	17.53	3.30	18.20
		3	0	18.16	17.85	17.99	2.10	18.20	17.96	17.62	17.58	3.30	18.20
		3	1	18.12	17.92	17.98	2.10	18.20	17.97	17.61	17.65	3.30	18.20
		3	3	18.11	17.90	17.95	2.10	18.20	17.96	17.64	17.69	3.30	18.20
		6	0	18.12	18.06	17.87	2.10	18.20	17.87	17.80	17.81	3.30	18.20

LTE Band 71 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm) 133297.00 / 680.5 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 133297.00 / 680.5 MHz	MPR	Tune-up Limit
20 MHz	QPSK	1	0	25.09	0.00	25.70	25.09	0.00	25.70
		1	49	25.10	0.00	25.70	25.10	0.00	25.70
		1	99	25.01	0.00	25.70	25.01	0.00	25.70
		50	0	24.06	1.00	24.70	24.06	1.00	24.70
		50	24	24.10	1.00	24.70	24.10	1.00	24.70
		50	50	24.07	1.00	24.70	24.07	1.00	24.70
		100	0	24.07	1.00	24.70	24.07	1.00	24.70
	16QAM	1	0	24.10	1.00	24.70	24.10	1.00	24.70
		1	49	23.97	1.00	24.70	23.97	1.00	24.70
		1	99	24.05	1.00	24.70	24.05	1.00	24.70
		50	0	23.11	2.00	23.70	23.11	2.00	23.70
		50	24	23.12	2.00	23.70	23.12	2.00	23.70
		50	50	23.10	2.00	23.70	23.10	2.00	23.70
		100	0	23.11	2.00	23.70	23.11	2.00	23.70
	64QAM	1	0	23.06	2.00	23.70	23.06	2.00	23.70
		1	49	23.00	2.00	23.70	23.00	2.00	23.70
		1	99	23.07	2.00	23.70	23.07	2.00	23.70
		50	0	22.10	3.00	22.70	22.10	3.00	22.70
		50	24	22.13	3.00	22.70	22.13	3.00	22.70
		50	50	22.11	3.00	22.70	22.11	3.00	22.70
		100	0	22.07	3.00	22.70	22.07	3.00	22.70
	256QAM	1	0	20.19	5.00	20.70	20.19	5.00	20.70
		1	49	20.21	5.00	20.70	20.21	5.00	20.70
		1	99	20.30	5.00	20.70	20.30	5.00	20.70
		50	0	20.11	5.00	20.70	20.11	5.00	20.70
		50	24	20.10	5.00	20.70	20.10	5.00	20.70
		50	50	20.10	5.00	20.70	20.10	5.00	20.70
		100	0	20.09	5.00	20.70	20.09	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm) 133297.00 / 680.5 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 133297.00 / 680.5 MHz	MPR	Tune-up Limit
15 MHz	QPSK	1	0	25.05	0.00	25.70	25.05	0.00	25.70
		1	37	24.96	0.00	25.70	24.96	0.00	25.70
		1	74	25.07	0.00	25.70	25.07	0.00	25.70
		36	0	24.04	1.00	24.70	24.04	1.00	24.70
		36	20	24.09	1.00	24.70	24.09	1.00	24.70
		36	39	24.03	1.00	24.70	24.03	1.00	24.70
		75	0	24.05	1.00	24.70	24.05	1.00	24.70
	16QAM	1	0	24.05	1.00	24.70	24.05	1.00	24.70
		1	37	24.10	1.00	24.70	24.10	1.00	24.70
		1	74	24.00	1.00	24.70	24.00	1.00	24.70
		36	0	23.04	2.00	23.70	23.04	2.00	23.70
		36	20	23.04	2.00	23.70	23.04	2.00	23.70
		36	39	23.02	2.00	23.70	23.02	2.00	23.70
		75	0	23.05	2.00	23.70	23.05	2.00	23.70
	64QAM	1	0	22.99	2.00	23.70	22.99	2.00	23.70
		1	37	23.07	2.00	23.70	23.07	2.00	23.70
		1	74	23.10	2.00	23.70	23.10	2.00	23.70
		36	0	22.06	3.00	22.70	22.06	3.00	22.70
		36	20	22.09	3.00	22.70	22.09	3.00	22.70
		36	39	22.01	3.00	22.70	22.01	3.00	22.70
		75	0	22.14	3.00	22.70	22.14	3.00	22.70
	256QAM	1	0	20.19	5.00	20.70	20.19	5.00	20.70
		1	37	20.30	5.00	20.70	20.30	5.00	20.70
		1	74	20.29	5.00	20.70	20.29	5.00	20.70
		36	0	20.04	5.00	20.70	20.04	5.00	20.70
		36	20	20.07	5.00	20.70	20.07	5.00	20.70
		36	39	20.04	5.00	20.70	20.04	5.00	20.70
		75	0	20.07	5.00	20.70	20.07	5.00	20.70

LTE Band 71 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				133172.00	133297.00	133422.00			133172.00	133297.00	133422.00		
				668 MHz	680.5 MHz	693 MHz			668 MHz	680.5 MHz	693 MHz		
10 MHz	QPSK	1	0	25.04	25.02	25.02	0.00	25.70	25.04	25.02	25.02	0.00	25.70
		1	25	25.01	24.91	25.05	0.00	25.70	25.01	24.91	25.05	0.00	25.70
		1	49	24.95	24.95	24.93	0.00	25.70	24.95	24.95	24.93	0.00	25.70
		25	0	24.01	24.00	24.13	1.00	24.70	24.01	24.00	24.13	1.00	24.70
		25	12	24.12	24.12	24.15	1.00	24.70	24.12	24.12	24.15	1.00	24.70
		25	25	24.04	24.06	24.12	1.00	24.70	24.04	24.06	24.12	1.00	24.70
		50	0	24.08	24.06	24.12	1.00	24.70	24.08	24.06	24.12	1.00	24.70
	16QAM	1	0	24.10	23.72	23.89	1.00	24.70	24.10	23.72	23.89	1.00	24.70
		1	25	24.03	24.00	23.89	1.00	24.70	24.03	24.00	23.89	1.00	24.70
		1	49	24.07	24.00	23.79	1.00	24.70	24.07	24.00	23.79	1.00	24.70
		25	0	23.11	23.04	23.21	2.00	23.70	23.11	23.04	23.21	2.00	23.70
		25	12	23.19	23.09	23.23	2.00	23.70	23.19	23.09	23.23	2.00	23.70
		25	25	23.09	23.05	23.25	2.00	23.70	23.09	23.05	23.25	2.00	23.70
		50	0	23.17	23.03	23.17	2.00	23.70	23.17	23.03	23.17	2.00	23.70
	64QAM	1	0	23.29	23.00	23.00	2.00	23.70	23.29	23.00	23.00	2.00	23.70
		1	25	23.22	23.02	22.97	2.00	23.70	23.22	23.02	22.97	2.00	23.70
		1	49	23.13	23.04	23.01	2.00	23.70	23.13	23.04	23.01	2.00	23.70
		25	0	22.08	22.40	22.34	3.00	22.70	22.08	22.40	22.34	3.00	22.70
		25	12	22.18	22.39	22.37	3.00	22.70	22.18	22.39	22.37	3.00	22.70
		25	25	22.14	22.38	22.34	3.00	22.70	22.14	22.38	22.34	3.00	22.70
		50	0	22.07	22.39	22.36	3.00	22.70	22.07	22.39	22.36	3.00	22.70
	256QAM	1	0	20.01	20.39	19.89	5.00	20.70	20.01	20.39	19.89	5.00	20.70
		1	25	20.09	20.39	20.05	5.00	20.70	20.09	20.39	20.05	5.00	20.70
		1	49	20.06	20.39	19.91	5.00	20.70	20.06	20.39	19.91	5.00	20.70
		25	0	20.20	20.11	20.24	5.00	20.70	20.20	20.11	20.24	5.00	20.70
		25	12	20.22	20.12	20.24	5.00	20.70	20.22	20.12	20.24	5.00	20.70
		25	25	20.11	20.05	20.22	5.00	20.70	20.11	20.05	20.22	5.00	20.70
		50	0	20.14	20.16	20.12	5.00	20.70	20.14	20.16	20.12	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				133147.00	133297.00	133447.00			133147.00	133297.00	133447.00		
				665.5 MHz	680.5 MHz	695.5 MHz			665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	QPSK	1	0	25.08	25.01	25.25	0.00	25.70	25.08	25.01	25.25	0.00	25.70
		1	12	25.03	24.93	25.10	0.00	25.70	25.03	24.93	25.10	0.00	25.70
		1	24	24.98	24.89	25.06	0.00	25.70	24.98	24.89	25.06	0.00	25.70
		12	0	24.08	24.00	24.14	1.00	24.70	24.08	24.00	24.14	1.00	24.70
		12	7	24.11	24.01	24.15	1.00	24.70	24.11	24.01	24.15	1.00	24.70
		12	13	24.02	23.96	24.05	1.00	24.70	24.02	23.96	24.05	1.00	24.70
		25	0	24.08	24.00	24.11	1.00	24.70	24.08	24.00	24.11	1.00	24.70
	16QAM	1	0	23.91	24.10	24.06	1.00	24.70	23.91	24.10	24.06	1.00	24.70
		1	12	23.94	24.01	23.94	1.00	24.70	23.94	24.01	23.94	1.00	24.70
		1	24	23.85	23.95	23.87	1.00	24.70	23.85	23.95	23.87	1.00	24.70
		12	0	23.14	23.13	23.25	2.00	23.70	23.14	23.13	23.25	2.00	23.70
		12	7	23.19	23.14	23.18	2.00	23.70	23.19	23.14	23.18	2.00	23.70
		12	13	23.07	23.10	23.14	2.00	23.70	23.07	23.10	23.14	2.00	23.70
		25	0	23.04	23.06	23.15	2.00	23.70	23.04	23.06	23.15	2.00	23.70
	64QAM	1	0	22.96	23.12	23.39	2.00	23.70	22.96	23.12	23.39	2.00	23.70
		1	12	23.00	23.13	23.39	2.00	23.70	23.00	23.13	23.39	2.00	23.70
		1	24	22.91	23.12	23.38	2.00	23.70	22.91	23.12	23.38	2.00	23.70
		12	0	22.06	22.12	22.39	3.00	22.70	22.06	22.12	22.39	3.00	22.70
		12	7	22.08	22.12	22.39	3.00	22.70	22.08	22.12	22.39	3.00	22.70
		12	13	22.03	22.14	22.39	3.00	22.70	22.03	22.14	22.39	3.00	22.70
		25	0	22.05	22.14	22.40	3.00	22.70	22.05	22.14	22.40	3.00	22.70
	256QAM	1	0	20.0	20.1	20.2	5	20.7	19.97	20.14	20.23	5	20.7
		1	12	19.9	20.2	20.2	5	20.7	19.90	20.20	20.15	5	20.7
		1	24	19.7	20.1	20.0	5	20.7	19.74	20.10	20.04	5	20.7
		12	0	20.0	20.0	20.2	5	20.7	20.02	20.04	20.15	5	20.7
		12	7	20.1	20.1	20.2	5	20.7	20.08	20.09	20.17	5	20.7
		12	13	20.0	20.1	20.1	5	20.7	19.99	20.05	20.09	5	20.7
		25	0	20.1	20.0	20.1	5	20.7	20.09	20.02	20.14	5	20.7

LTE Band 71 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				133297.00 / 680.5 MHz	MPR	Tune-up Limit	133297.00 / 680.5 MHz	MPR	Tune-up Limit
20 MHz	QPSK	1	0	24.32	0.00	24.70	24.32	0.00	24.70
		1	49	24.35	0.00	24.70	24.35	0.00	24.70
		1	99	24.13	0.00	24.70	24.13	0.00	24.70
		50	0	23.31	1.00	23.70	23.31	1.00	23.70
		50	24	23.33	1.00	23.70	23.33	1.00	23.70
		50	50	23.23	1.00	23.70	23.23	1.00	23.70
		100	0	23.32	1.00	23.70	23.32	1.00	23.70
	16QAM	1	0	23.07	1.00	23.70	23.07	1.00	23.70
		1	49	23.08	1.00	23.70	23.08	1.00	23.70
		1	99	22.90	1.00	23.70	22.90	1.00	23.70
		50	0	22.03	2.00	22.70	22.03	2.00	22.70
		50	24	22.07	2.00	22.70	22.07	2.00	22.70
		50	50	22.00	2.00	22.70	22.00	2.00	22.70
		100	0	22.06	2.00	22.70	22.06	2.00	22.70
	64QAM	1	0	22.10	2.00	22.70	22.10	2.00	22.70
		1	49	22.08	2.00	22.70	22.08	2.00	22.70
		1	99	21.97	2.00	22.70	21.97	2.00	22.70
		50	0	21.05	3.00	21.70	21.05	3.00	21.70
		50	24	21.05	3.00	21.70	21.05	3.00	21.70
		50	50	20.96	3.00	21.70	20.96	3.00	21.70
		100	0	21.00	3.00	21.70	21.00	3.00	21.70
	256QAM	1	0	19.10	5.00	19.70	19.10	5.00	19.70
		1	49	19.08	5.00	19.70	19.08	5.00	19.70
		1	99	19.05	5.00	19.70	19.05	5.00	19.70
		50	0	19.07	5.00	19.70	19.07	5.00	19.70
		50	24	19.10	5.00	19.70	19.10	5.00	19.70
		50	50	18.99	5.00	19.70	18.99	5.00	19.70
		100	0	19.05	5.00	19.70	19.05	5.00	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				133297.00 / 680.5 MHz	MPR	Tune-up Limit	133297.00 / 680.5 MHz	MPR	Tune-up Limit
15 MHz	QPSK	1	0	23.99	0.00	24.70	23.99	0.00	24.70
		1	37	23.94	0.00	24.70	23.94	0.00	24.70
		1	74	23.90	0.00	24.70	23.90	0.00	24.70
		36	0	23.00	1.00	23.70	23.00	1.00	23.70
		36	20	23.03	1.00	23.70	23.03	1.00	23.70
		36	39	22.92	1.00	23.70	22.92	1.00	23.70
		75	0	22.98	1.00	23.70	22.98	1.00	23.70
	16QAM	1	0	23.06	1.00	23.70	23.06	1.00	23.70
		1	37	22.80	1.00	23.70	22.80	1.00	23.70
		1	74	22.83	1.00	23.70	22.83	1.00	23.70
		36	0	22.01	2.00	22.70	22.01	2.00	22.70
		36	20	22.04	2.00	22.70	22.04	2.00	22.70
		36	39	21.95	2.00	22.70	21.95	2.00	22.70
		75	0	22.02	2.00	22.70	22.02	2.00	22.70
	64QAM	1	0	22.01	2.00	22.70	22.01	2.00	22.70
		1	37	22.08	2.00	22.70	22.08	2.00	22.70
		1	74	22.04	2.00	22.70	22.04	2.00	22.70
		36	0	21.04	3.00	21.70	21.04	3.00	21.70
		36	20	21.05	3.00	21.70	21.05	3.00	21.70
		36	39	20.96	3.00	21.70	20.96	3.00	21.70
		75	0	21.07	3.00	21.70	21.07	3.00	21.70
	256QAM	1	0	19.07	5.00	19.70	19.07	5.00	19.70
		1	37	18.99	5.00	19.70	18.99	5.00	19.70
		1	74	19.03	5.00	19.70	19.03	5.00	19.70
		36	0	19.03	5.00	19.70	19.03	5.00	19.70
		36	20	19.08	5.00	19.70	19.08	5.00	19.70
		36	39	18.98	5.00	19.70	18.98	5.00	19.70
		75	0	19.02	5.00	19.70	19.02	5.00	19.70

LTE Band 71 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				133172.00	133297.00	133422.00			133172.00	133297.00	133422.00		
				668 MHz	680.5 MHz	693 MHz			668 MHz	680.5 MHz	693 MHz		
10 MHz	QPSK	1	0	24.29	24.24	24.28	0.00	24.70	24.29	24.24	24.28	0.00	24.70
		1	25	24.19	24.13	24.16	0.00	24.70	24.19	24.13	24.16	0.00	24.70
		1	49	24.18	24.10	24.03	0.00	24.70	24.18	24.10	24.03	0.00	24.70
		25	0	23.28	23.26	23.20	1.00	23.70	23.28	23.26	23.20	1.00	23.70
		25	12	23.36	23.32	23.22	1.00	23.70	23.36	23.32	23.22	1.00	23.70
		25	25	23.25	23.27	23.19	1.00	23.70	23.25	23.27	23.19	1.00	23.70
		50	0	23.31	23.31	23.18	1.00	23.70	23.31	23.31	23.18	1.00	23.70
	16QAM	1	0	23.39	23.37	23.23	1.00	23.70	23.39	23.37	23.23	1.00	23.70
		1	25	23.29	23.25	23.12	1.00	23.70	23.29	23.25	23.12	1.00	23.70
		1	49	23.27	23.18	23.05	1.00	23.70	23.27	23.18	23.05	1.00	23.70
		25	0	22.38	22.37	22.23	2.00	22.70	22.38	22.37	22.23	2.00	22.70
		25	12	22.34	22.32	22.21	2.00	22.70	22.34	22.32	22.21	2.00	22.70
		25	25	22.32	22.37	22.26	2.00	22.70	22.32	22.37	22.26	2.00	22.70
		50	0	22.40	22.35	22.17	2.00	22.70	22.40	22.35	22.17	2.00	22.70
	64QAM	1	0	22.25	22.26	22.35	2.00	22.70	22.25	22.26	22.35	2.00	22.70
		1	25	22.22	22.24	22.36	2.00	22.70	22.22	22.24	22.36	2.00	22.70
		1	49	22.22	22.24	22.29	2.00	22.70	22.22	22.24	22.29	2.00	22.70
		25	0	21.23	21.25	21.32	3.00	21.70	21.23	21.25	21.32	3.00	21.70
		25	12	21.25	21.26	21.31	3.00	21.70	21.25	21.26	21.31	3.00	21.70
		25	25	21.21	21.22	21.33	3.00	21.70	21.21	21.22	21.33	3.00	21.70
		50	0	21.24	21.24	21.24	3.00	21.70	21.24	21.24	21.24	3.00	21.70
	256QAM	1	0	19.14	19.38	19.31	5.00	19.70	19.14	19.38	19.31	5.00	19.70
		1	25	19.20	19.35	19.31	5.00	19.70	19.20	19.35	19.31	5.00	19.70
		1	49	19.01	19.31	19.16	5.00	19.70	19.01	19.31	19.16	5.00	19.70
		25	0	19.34	19.38	19.35	5.00	19.70	19.34	19.38	19.35	5.00	19.70
		25	12	19.37	19.40	19.33	5.00	19.70	19.37	19.40	19.33	5.00	19.70
		25	25	19.38	19.31	19.29	5.00	19.70	19.38	19.31	19.29	5.00	19.70
		50	0	19.32	19.39	19.25	5.00	19.70	19.32	19.39	19.25	5.00	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				133147.00	133297.00	133447.00			133147.00	133297.00	133447.00		
				665.5 MHz	680.5 MHz	695.5 MHz			665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	QPSK	1	0	24.05	24.10	23.90	0.00	24.70	24.05	24.10	23.90	0.00	24.70
		1	12	23.92	24.00	23.85	0.00	24.70	23.92	24.00	23.85	0.00	24.70
		1	24	23.89	23.90	23.72	0.00	24.70	23.89	23.90	23.72	0.00	24.70
		12	0	22.95	22.93	22.94	1.00	23.70	22.95	22.93	22.94	1.00	23.70
		12	7	23.01	23.00	22.91	1.00	23.70	23.01	23.00	22.91	1.00	23.70
		12	13	22.94	22.92	22.83	1.00	23.70	22.94	22.92	22.83	1.00	23.70
		25	0	22.98	22.99	22.85	1.00	23.70	22.98	22.99	22.85	1.00	23.70
	16QAM	1	0	23.10	23.08	23.09	1.00	23.70	23.10	23.08	23.09	1.00	23.70
		1	12	23.10	23.08	22.96	1.00	23.70	23.10	23.08	22.96	1.00	23.70
		1	24	23.04	23.03	22.89	1.00	23.70	23.04	23.03	22.89	1.00	23.70
		12	0	22.03	22.07	22.01	2.00	22.70	22.03	22.07	22.01	2.00	22.70
		12	7	22.10	22.06	22.07	2.00	22.70	22.10	22.06	22.07	2.00	22.70
		12	13	22.00	22.03	21.99	2.00	22.70	22.00	22.03	21.99	2.00	22.70
		25	0	21.96	22.00	21.94	2.00	22.70	21.96	22.00	21.94	2.00	22.70
	64QAM	1	0	22.03	22.09	21.94	2.00	22.70	22.03	22.09	21.94	2.00	22.70
		1	12	22.03	22.10	21.82	2.00	22.70	22.03	22.10	21.82	2.00	22.70
		1	24	22.04	22.10	21.76	2.00	22.70	22.04	22.10	21.76	2.00	22.70
		12	0	21.04	20.99	21.01	3.00	21.70	21.04	20.99	21.01	3.00	21.70
		12	7	21.05	21.01	20.97	3.00	21.70	21.05	21.01	20.97	3.00	21.70
		12	13	21.02	21.00	20.89	3.00	21.70	21.02	21.00	20.89	3.00	21.70
		25	0	21.04	21.00	20.88	3.00	21.70	21.04	21.00	20.88	3.00	21.70
	256QAM	1	0	19.09	19.08	18.86	5.00	19.70	19.09	19.08	18.86	5.00	19.70
		1	12	19.08	19.10	18.75	5.00	19.70	19.08	19.10	18.75	5.00	19.70
		1	24	18.96	19.06	19.00	5.00	19.70	18.96	19.06	19.00	5.00	19.70
		12	0	19.02	19.03	18.96	5.00	19.70	19.02	19.03	18.96	5.00	19.70
		12	7	19.10	19.08	18.96	5.00	19.70	19.10	19.08	18.96	5.00	19.70
		12	13	18.99	19.01	18.84	5.00	19.70	18.99	19.01	18.84	5.00	19.70
		25	0	19.10	19.00	18.94	5.00	19.70	19.10	19.00	18.94	5.00	19.70

9.5. LTE Up-Link Carrier Aggregation

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

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

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

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

Modulation	CA bandwidth Class B and C / Smallest Component Carrier Transmission Bandwidth Configuration				MPR (dB)
	25 RB	50 RB	75 RB	100 RB	
QPSK	> 8 and ≤ 25	> 12 and ≤ 50	> 16 and ≤ 75	> 18 and ≤ 100	≤ 1
QPSK	> 25	> 50	> 75	> 100	≤ 2
16 QAM	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 8 and ≤ 25	> 12 and ≤ 50	> 16 and ≤ 75	> 18 and ≤ 100	≤ 2
16 QAM	> 25	> 50	> 75	> 100	≤ 3
64 QAM	≤ 8 and allocation wholly contained within a single CC	≤ 12 and allocation wholly contained within a single CC	≤ 16 and allocation wholly contained within a single CC	≤ 18 and allocation wholly contained within a single CC	≤ 2
64 QAM	> 8 or allocation extends across two CC's	> 12 or allocation extends across two CC's	> 16 or allocation extends across two CC's	> 18 or allocation extends across two CC's	≤ 3
256 QAM	≥ 1				≤ 5

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

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

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

Where M_A is defined as follows

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

$3.83 – 0.83A$;$0.4 \le A \le 1$

and M_{IM5} is defined as follows

$M_{IM5} =$ 4.5 ; $\Delta_{IM5} < 1.5 * BW_{Channel\_CA}$

6.0 ; $1.5 * BW_{Channel\_CA} \le \Delta_{IM5} < BW_{Channel\_CA}/2 + \Delta f_{ooB}$

M_A ; $\Delta_{IM5} \ge BW_{Channel\_CA}/2 + \Delta f_{ooB}$

Where

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

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

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

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

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

MPR = CEIL{M_A, 0.5}

Where M_N is defined as follows

$M_N =$ $-0.125N + 18.25$; $2 \le N \le 50$

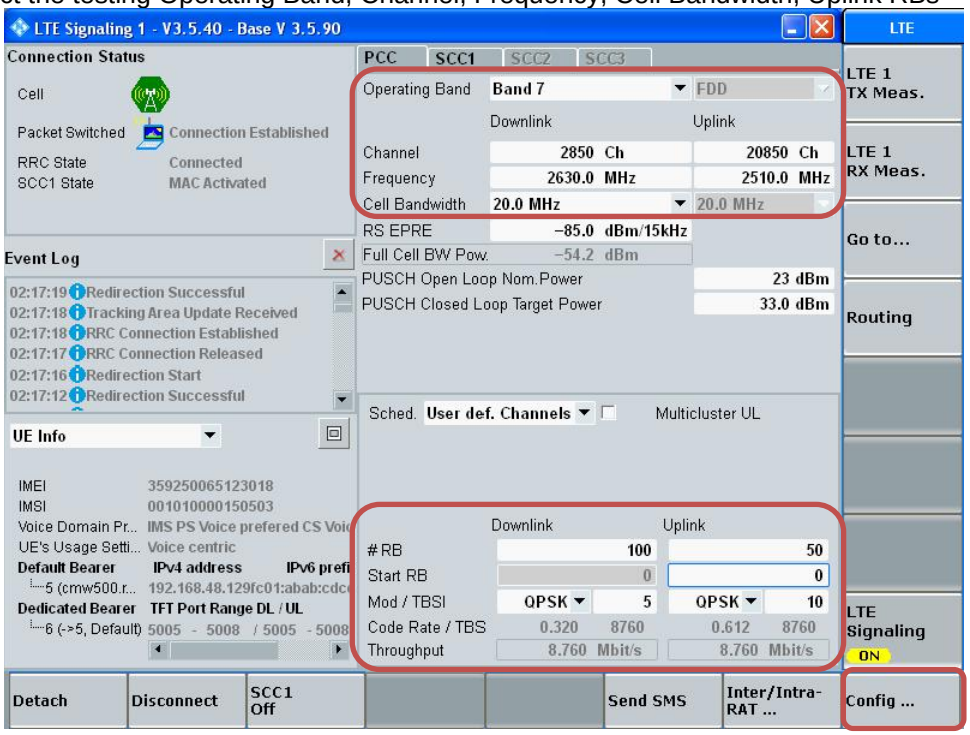
$-0.0333 N + 13.67$; $50 < N \le 200$

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

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

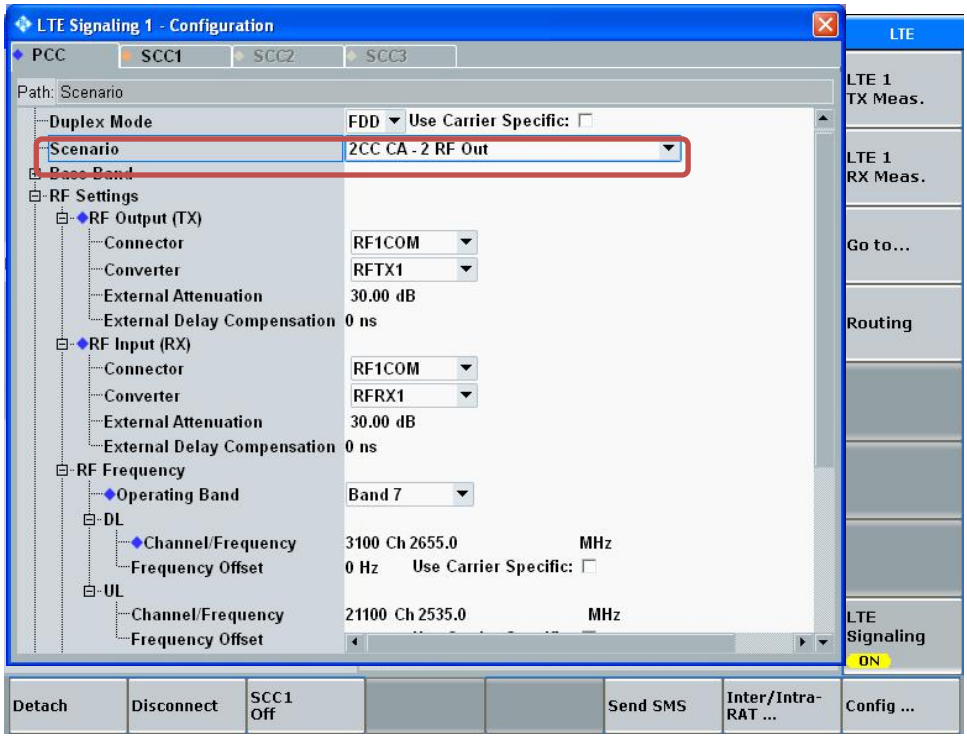
LTE Carrier Aggregation Test Signal Set-up Procedure
(Use normal LTE set-up procedure in addition with the following steps)

Set to CMW-500 with following parameters:

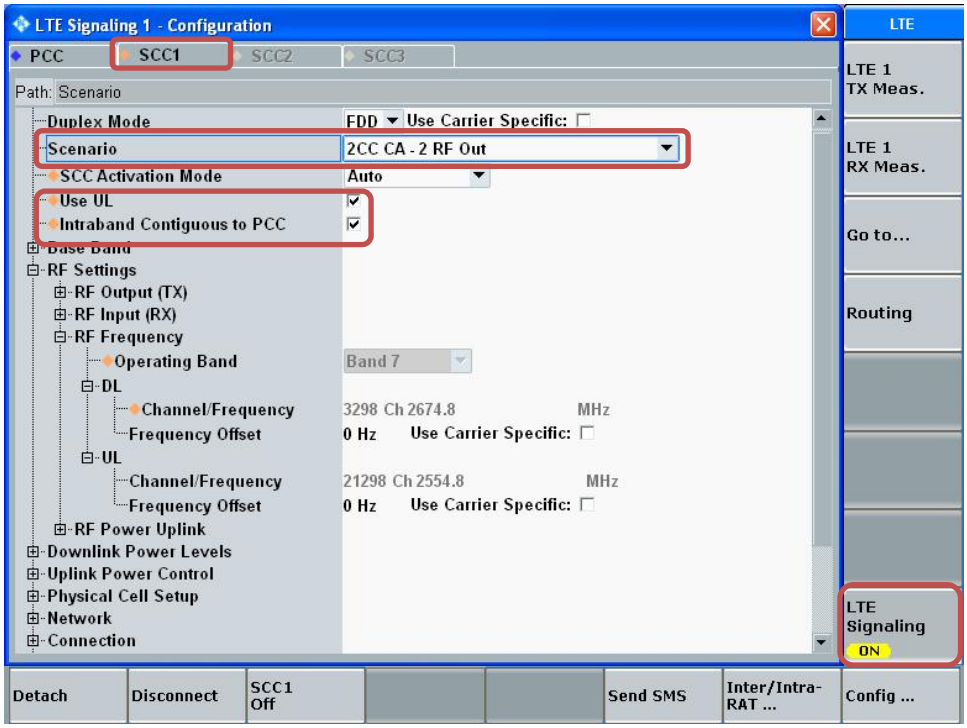
- PCC tab:
  - Select the testing Operating Band, Channel, Frequency, Cell Bandwidth, Uplink RBs
- 

- Go to “Config….”

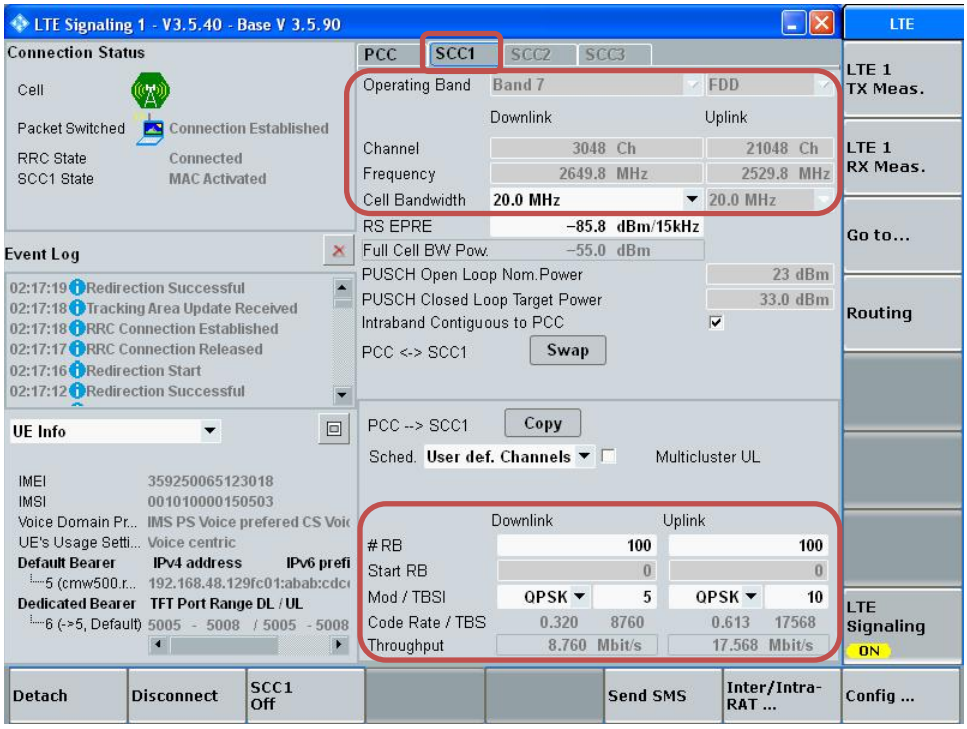
- Go to “Scenario”
- Set to “2CC CA – 2 RF Out”



- Select “SCC1” tab
- Go to “Scenario”
- Set to “2CC CA – 2 RF Out”
- Enable “Use UL”
- Enable “Intraband Contiguous to PCC”
- Select “LTE Signaling” button

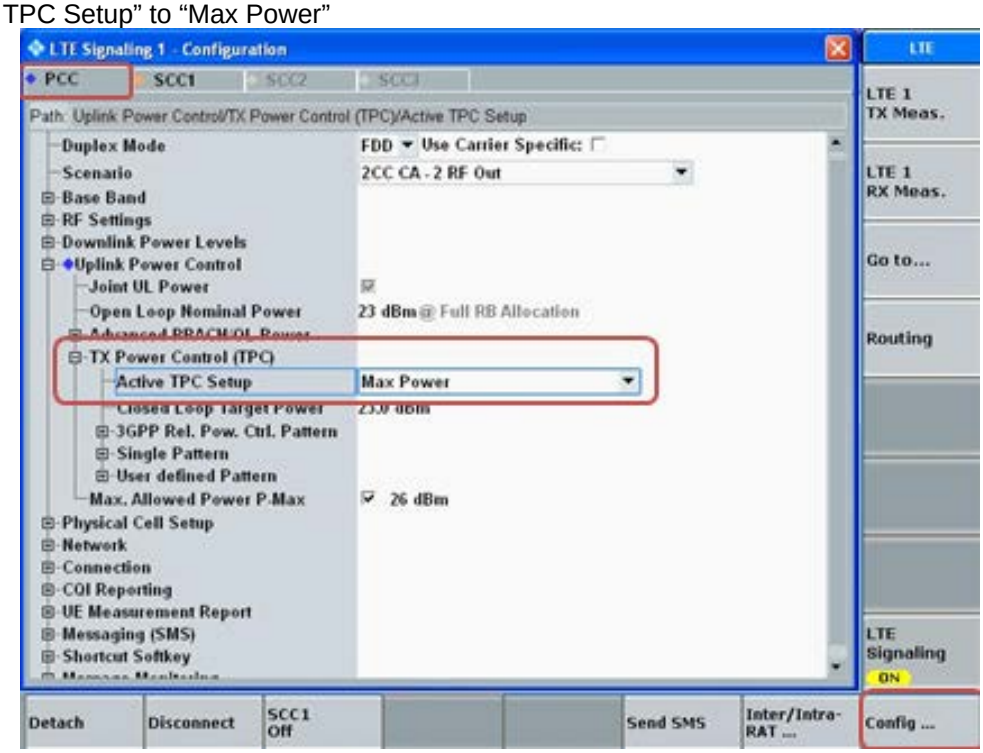


- Select “SCC1” tab
  - Select the testing Cell Bandwidth, Uplink RBs

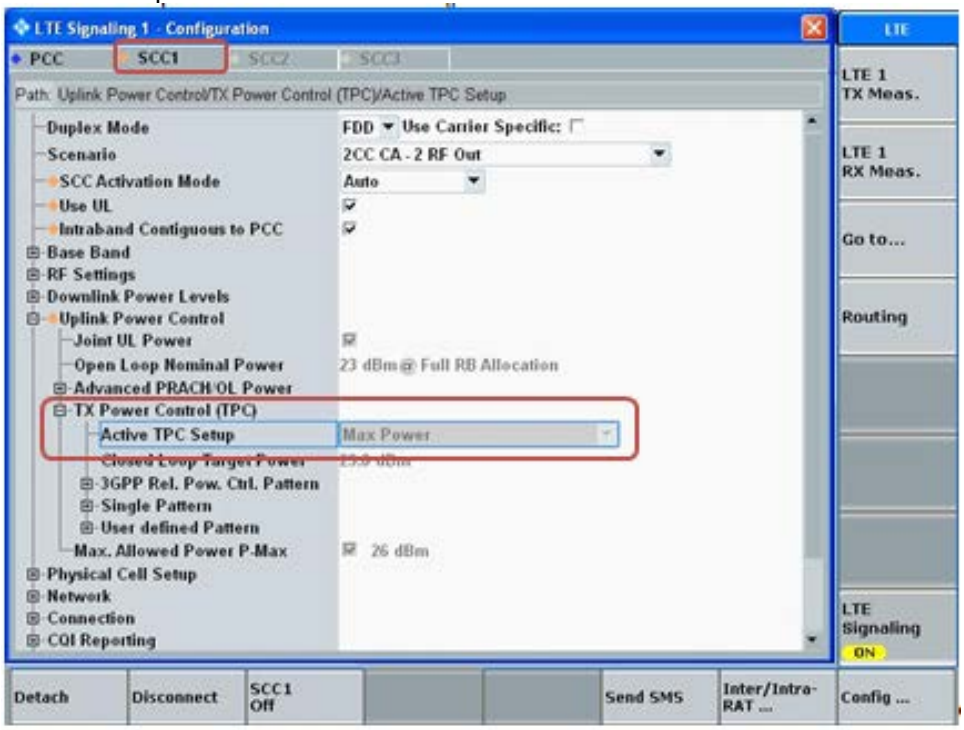


Max Power Setting

- Select “Config …” button
- Select PCC tab
- Set “Active TPC Setup” to “Max Power”

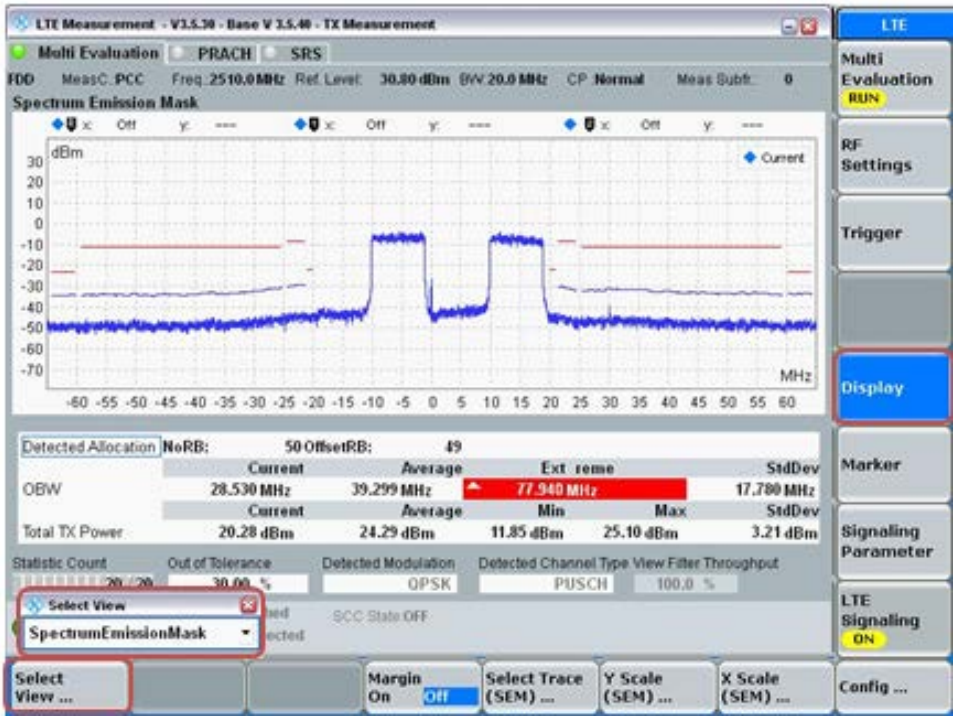


- Select SCC1 tab
- Verify that “Active TPC Setup” is set to “Max Power”



View TX Power

- Go to “Display”
- Select “Select View…”
- Select “Spectrum Emission Mask”



LTE Intra-Band Contiguous Carrier Aggregation

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

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

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

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

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

a) When the maximum output for UL CA is ≤ standalone LTE mode (without CA)
   - PCC is configured according to the highest standalone SAR configuration tested
   - SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC

b) When the Reported SAR for UL CA configuration, described above, is > 1.2 W/kg, UL CA SAR is also required for all required test channels(PCC based)

c) UL CA SAR is also required for standalone SAR configurations > 1.2 W/kg when they are scaled to the UL CA power level

Output Power for LTE UL Carrier Aggregation

Intra-Band Contiguous	Mode	Target Output Power (dBm)								Tolerance	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4			ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
CA_5B	QPSK	24.70	24.40	23.70	23.70					1.0 / -1.0	25.70	25.40	24.70	24.70				
CA_7C	QPSK	24.70	19.50	17.20	18.00	22.70	17.90	17.40	18.50	1.0 / -1.0	25.70	20.50	18.20	19.00	23.70	18.90	18.40	19.50
CA_41C (PC3)	QPSK	24.70	20.70	17.70	19.80	24.20	19.80	18.80	20.50	1.0 / -1.0	25.70	21.70	18.70	20.80	25.20	20.80	19.80	21.50
CA_41C (PC2)	QPSK	26.50	20.70	17.70	19.80	26.00	19.80	18.80	20.50	1.0 / -1.0	27.50	21.70	18.70	20.80	27.00	20.80	19.80	21.50
CA_66B & 66C	QPSK	24.00	19.50	16.60	17.30	24.20	20.50	19.30	20.50	1.0 / -1.0	25.00	20.50	17.60	18.30	25.20	21.50	20.30	21.50
Intra-Band Contiguous	Mode	Target Output Power (dBm)								Tolerance	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT7		ANT8		ANT9		ANT4			ANT7		ANT8		ANT9		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
CA_48C	QPSK	24.70	20.90	20.50	22.00	24.20	21.10	21.50	21.50	1.0 / -1.0	25.70	21.90	21.50	23.00	25.20	22.10	22.50	22.50

LTE CA_5B Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_5B	ANT 1	Mode A	QPSK	10	831.6	1	49	5	841.5	1	0	25.70	25.30	25.70	25.18	-0.1
CA_5B	ANT 1	Mode B	QPSK	10	831.6	1	49	5	841.5	1	0	25.40	25.10	25.40	25.00	-0.1
CA_5B	ANT 1	Mode B	QPSK	10	831.6	1	49	5	841.5	1	0	25.40	25.10	25.40	25.00	-0.1
CA_5B	ANT 2	Mode A	QPSK	10	831.6	1	49	5	841.5	1	0	24.70	24.35	24.70	23.99	-0.4
CA_5B	ANT 2	Mode B	QPSK	10	831.6	1	49	5	841.5	1	0	24.70	24.35	24.70	23.99	-0.4
CA_5B	ANT 2	Mode B	QPSK	10	831.6	1	49	5	841.5	1	0	24.70	24.35	24.70	23.99	-0.4

Note(s):

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

LTE CA_7C Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_7C	ANT 1	Mode A	QPSK	20	2540.2	1	99	20	2560.0	1	0	25.70	25.33	25.70	25.05	-0.3
CA_7C	ANT 1	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	20.50	19.97	20.50	19.78	-0.2
CA_7C	ANT 1	Mode B	QPSK	20	2540.2	1	99	20	2560.0	1	0	20.50	19.75	20.50	19.62	-0.1
CA_7C	ANT 2	Mode A	QPSK	20	2540.2	1	99	20	2560.0	1	0	18.20	17.44	18.20	17.37	-0.1
CA_7C	ANT 2	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	19.00	18.51	19.00	18.25	-0.3
CA_7C	ANT 2	Mode B	QPSK	20	2540.2	1	99	20	2560.0	1	0	19.00	18.49	19.00	18.15	-0.3
CA_7C	ANT 3	Mode A	QPSK	20	2540.2	1	99	20	2560.0	1	0	23.70	23.00	23.70	22.90	-0.1
CA_7C	ANT 3	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	18.90	17.97	18.90	17.83	-0.1
CA_7C	ANT 3	Mode B	QPSK	20	2540.2	1	99	20	2560.0	1	0	18.90	17.90	18.90	17.80	-0.1
CA_7C	ANT 4	Mode A	QPSK	20	2525.1	1	99	20	2544.9	1	0	18.40	17.75	18.40	17.63	-0.1
CA_7C	ANT 4	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	19.50	18.50	19.50	18.40	-0.1
CA_7C	ANT 4	Mode B	QPSK	20	2540.2	1	99	20	2560.0	1	0	19.50	18.40	19.50	18.30	-0.1

Note(s):

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

LTE CA_41C (PC3) Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_41C	ANT 1	Mode A	QPSK	20	2583.1	1	99	20	2602.9	1	0	25.70	25.42	25.70	25.20	-0.2
CA_41C	ANT 1	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	21.70	20.80	21.70	20.70	-0.1
CA_41C	ANT 1	Mode B	QPSK	20	2660.2	1	99	20	2680.0	1	0	21.70	20.80	21.70	20.63	-0.2
CA_41C	ANT 2	Mode A	QPSK	20	2583.1	1	99	20	2602.9	1	0	18.70	17.85	18.70	17.80	-0.1
CA_41C	ANT 2	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	20.80	20.01	20.80	19.99	0.0
CA_41C	ANT 2	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	20.80	20.01	20.80	19.99	0.0
CA_41C	ANT 3	Mode A	QPSK	20	2660.2	1	99	20	2680	1	0	25.20	24.31	25.20	24.20	-0.1
CA_41C	ANT 3	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	20.80	20.45	20.80	20.06	-0.4
CA_41C	ANT 4	Mode A	QPSK	20	2660.2	1	99	20	2680	1	0	19.80	19.05	19.80	19.00	-0.1
CA_41C	ANT 4	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	21.50	20.81	21.50	20.58	-0.2
CA_41C	ANT 4	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	21.50	20.81	21.50	20.58	-0.2

Note(s):

1. PCC RB allocation setting for UL CA has been adjusted based on the worst-case power.
2. Additional SAR for UL CA PC2 is not required. Test reduction has been applied base on standalone SAR.
3. SAR evaluation for PC2 is only required when its Maximum output power (Tune-up Limit) is higher from PC3.

LTE CA_48C Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_48C	ANT 7	Mode A	QPSK	20	3615.1	1	99	20	3634.9	1	0	25.70	25.20	25.70	25.10	-0.1
CA_48C	ANT 7	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	21.90	21.34	21.90	21.25	-0.1
CA_48C	ANT 7	Mode B	QPSK	20	3560.0	1	99	20	3579.8	1	0	21.90	21.50	21.90	21.14	-0.4
CA_48C	ANT 8	Mode A	QPSK	20	3670.2	1	99	20	3690.0	1	0	21.50	21.20	21.50	21.05	-0.1
CA_48C	ANT 8	Mode B	QPSK	20	3670.2	1	99	20	3690.0	1	0	23.00	22.80	23.00	22.61	-0.2
CA_48C	ANT 8	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	23.00	22.80	23.00	22.61	-0.2
CA_48C	ANT 9	Mode A	QPSK	20	3615.1	1	99	20	3634.9	1	0	25.20	24.42	25.20	24.30	-0.1
CA_48C	ANT 9	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	22.10	21.54	22.10	21.49	-0.1
CA_48C	ANT 9	Mode B	QPSK	20	3560.0	1	99	20	3579.8	1	0	22.10	21.75	22.10	21.68	-0.1
CA_48C	ANT 4	Mode A	QPSK	20	3560.0	1	99	20	3579.8	1	0	22.50	22.25	22.50	22.20	-0.1
CA_48C	ANT 4	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	22.50	22.25	22.50	22.20	-0.1
CA_48C	ANT 4	Mode B	QPSK	20	3560.0	1	99	20	3579.8	1	0	22.50	22.25	22.50	22.20	-0.1

Note(s):

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

LTE CA 66C Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_66C	ANT 1	Mode A	QPSK	20	1745.1	1	99	20	1764.9	1	0	25.00	24.48	25.00	24.32	-0.2
CA_66C	ANT 1	Mode B	QPSK	20	1750.2	1	99	20	1770.0	1	0	20.50	20.05	20.50	20.00	-0.1
CA_66C	ANT 1	Mode B	QPSK	20	1750.2	1	99	20	1770.0	1	0	20.50	20.05	20.50	20.00	-0.1
CA_66C	ANT 2	Mode A	QPSK	20	1720	1	99	20	1739.8	1	0	17.60	17.30	17.60	16.80	-0.5
CA_66C	ANT 2	Mode B	QPSK	20	1750.2	1	99	20	1770.0	1	0	18.30	18.00	18.30	17.19	-0.8
CA_66C	ANT 2	Mode B	QPSK	20	1745.1	1	99	20	1764.9	1	0	18.30	18.05	18.30	17.23	-0.8
CA_66C	ANT 3	Mode A	QPSK	20	1745.1	1	99	20	1764.9	1	0	25.20	24.70	25.20	24.58	-0.1
CA_66C	ANT 3	Mode B	QPSK	20	1745.1	1	99	20	1764.9	1	0	21.50	20.85	21.50	20.77	-0.1
CA_66C	ANT 3	Mode B	QPSK	20	1750.2	1	99	20	1770.0	1	0	21.50	20.84	21.50	20.76	-0.1
CA_66C	ANT 4	Mode A	QPSK	20	1750.2	1	99	20	1770.0	1	0	20.30	19.55	20.30	19.43	-0.1
CA_66C	ANT 4	Mode B	QPSK	20	1745.1	1	99	20	1764.9	1	0	21.50	20.95	21.50	20.67	-0.3
CA_66C	ANT 4	Mode B	QPSK	20	1750.2	1	99	20	1770.0	1	0	21.50	20.85	21.50	20.64	-0.2

Note(s):

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

LTE Inter-Band Carrier Aggregation

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

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

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

Test positions and test channels used for the testing below are based on the standalone worst-case SAR results. UL CA is reduced by 3dB therefore power and SAR was estimated based on standalone results.

UL CA inter-bands	RF Exposure Conditions	Antennna Ports				Standalone worst-case position				UL CA				
						Tune-up Limit (dBm)		Reported 1-g SAR (W/kg)		Tune-up Limit (-3dB) (dBm)		Reported 1-g SAR (W/kg)		
		CC1		CC2		CC1	CC2	CC1	CC2	CC1	CC2	CC1	CC2	CC1+CC2
CA_2A-5A	Head	ANT1	2A	ANT2	5A	24.20	24.70	0.300	0.847	21.20	21.70	0.150	0.425	**0.575**
		ANT2	2A	ANT1	5A	19.50	25.70	0.926	0.310	16.50	22.70	0.464	0.155	**0.619**
		ANT3	2A	ANT1	5A	24.40	25.70	0.729	0.310	21.40	22.70	0.365	0.155	**0.521**
		ANT3	2A	ANT2	5A	24.40	24.70	0.729	0.847	21.40	21.70	0.365	0.425	**0.790**
		ANT4	2A	ANT1	5A	19.60	25.70	0.949	0.310	16.60	22.70	0.476	0.155	**0.631**
		ANT4	2A	ANT2	5A	19.60	24.70	0.949	0.847	16.60	21.70	0.476	0.425	**0.900**
	Body	ANT1	2A	ANT2	5A	17.30	24.70	0.959	0.589	14.30	21.70	0.481	0.295	**0.776**
		ANT2	2A	ANT1	5A	19.20	25.40	0.896	0.883	16.20	22.40	0.449	0.443	**0.892**
		ANT3	2A	ANT1	5A	20.50	25.40	0.954	0.883	17.50	22.40	0.478	0.443	**0.921**
		ANT3	2A	ANT2	5A	20.50	24.70	0.954	0.589	17.50	21.70	0.478	0.295	**0.773**
		ANT4	2A	ANT1	5A	22.00	25.40	0.949	0.883	19.00	22.40	0.476	0.443	**0.918**
		ANT4	2A	ANT2	5A	22.00	24.70	0.949	0.589	19.00	21.70	0.476	0.295	**0.771**
CA_2A-12A	Head	ANT1	2A	ANT2	12A	24.20	24.70	0.300	0.929	21.20	21.70	0.150	0.466	**0.616**
		ANT2	2A	ANT1	12A	19.50	25.70	0.926	0.201	16.50	22.70	0.464	0.101	**0.565**
		ANT3	2A	ANT1	12A	24.40	25.70	0.729	0.201	21.40	22.70	0.365	0.101	**0.466**
		ANT3	2A	ANT2	12A	24.40	24.70	0.729	0.929	21.40	21.70	0.365	0.466	**0.831**
		ANT4	2A	ANT1	12A	19.60	25.70	0.949	0.201	16.60	22.70	0.476	0.101	**0.576**
		ANT4	2A	ANT2	12A	19.60	24.70	0.949	0.929	16.60	21.70	0.476	0.466	**0.941**
	Body	ANT1	2A	ANT2	12A	17.30	24.70	0.959	0.626	14.30	21.70	0.481	0.314	**0.794**
		ANT2	2A	ANT1	12A	19.20	25.70	0.896	0.544	16.20	22.70	0.449	0.273	**0.722**
		ANT3	2A	ANT1	12A	20.50	25.70	0.954	0.544	17.50	22.70	0.478	0.273	**0.751**
		ANT3	2A	ANT2	12A	20.50	24.70	0.954	0.626	17.50	21.70	0.478	0.314	**0.792**
		ANT4	2A	ANT1	12A	22.00	25.70	0.949	0.544	19.00	22.70	0.476	0.273	**0.748**
		ANT4	2A	ANT2	12A	22.00	24.70	0.949	0.626	19.00	21.70	0.476	0.314	**0.789**
CA_2A-13A	Head	ANT1	2A	ANT2	13A	24.20	24.70	0.300	0.772	21.20	21.70	0.150	0.387	**0.537**
		ANT2	2A	ANT1	13A	19.50	25.70	0.926	0.295	16.50	22.70	0.464	0.148	**0.612**
		ANT3	2A	ANT1	13A	24.40	25.70	0.729	0.295	21.40	22.70	0.365	0.148	**0.513**
		ANT3	2A	ANT2	13A	24.40	24.70	0.729	0.772	21.40	21.70	0.365	0.387	**0.752**
		ANT4	2A	ANT1	13A	19.60	25.70	0.949	0.295	16.60	22.70	0.476	0.148	**0.623**
		ANT4	2A	ANT2	13A	19.60	24.70	0.949	0.772	16.60	21.70	0.476	0.387	**0.863**
	Body	ANT1	2A	ANT2	13A	17.30	24.70	0.959	0.479	14.30	21.70	0.481	0.240	**0.721**
		ANT2	2A	ANT1	13A	19.20	25.70	0.896	0.868	16.20	22.70	0.449	0.435	**0.884**
		ANT3	2A	ANT1	13A	20.50	25.70	0.954	0.868	17.50	22.70	0.478	0.435	**0.913**
		ANT3	2A	ANT2	13A	20.50	24.70	0.954	0.479	17.50	21.70	0.478	0.240	**0.718**
		ANT4	2A	ANT1	13A	22.00	25.70	0.949	0.868	19.00	22.70	0.476	0.435	**0.911**
		ANT4	2A	ANT2	13A	22.00	24.70	0.949	0.479	19.00	21.70	0.476	0.240	**0.716**
CA_4A-5A	Head	ANT1	4A	ANT2	5A	25.00	24.70	0.466	0.847	22.00	21.70	0.234	0.425	**0.658**
		ANT2	4A	ANT1	5A	17.60	25.70	0.935	0.310	14.60	22.70	0.469	0.155	**0.624**
		ANT3	4A	ANT1	5A	25.20	25.70	0.571	0.310	22.20	22.70	0.286	0.155	**0.442**
		ANT3	4A	ANT2	5A	25.20	24.70	0.571	0.847	22.20	21.70	0.286	0.425	**0.711**
		ANT4	4A	ANT1	5A	20.30	25.70	0.940	0.310	17.30	22.70	0.471	0.155	**0.626**
		ANT4	4A	ANT2	5A	20.30	24.70	0.940	0.847	17.30	21.70	0.471	0.425	**0.896**
	Body	ANT1	4A	ANT2	5A	20.50	24.70	0.921	0.589	17.50	21.70	0.462	0.295	**0.757**
		ANT2	4A	ANT1	5A	18.30	25.40	0.929	0.883	15.30	22.40	0.466	0.443	**0.908**
		ANT3	4A	ANT1	5A	21.50	25.40	0.950	0.883	18.50	22.40	0.476	0.443	**0.919**
		ANT3	4A	ANT2	5A	21.50	24.70	0.950	0.589	18.50	21.70	0.476	0.295	**0.771**
		ANT4	4A	ANT1	5A	21.50	25.40	0.956	0.883	18.50	22.40	0.479	0.443	**0.922**
		ANT4	4A	ANT2	5A	21.50	24.70	0.956	0.589	18.50	21.70	0.479	0.295	**0.774**
CA_4A-12A	Head	ANT1	4A	ANT2	12A	25.00	24.70	0.466	0.929	22.00	21.70	0.234	0.466	**0.699**
		ANT2	4A	ANT1	12A	17.60	25.70	0.935	0.201	14.60	22.70	0.469	0.101	**0.569**
		ANT3	4A	ANT1	12A	25.20	25.70	0.571	0.201	22.20	22.70	0.286	0.101	**0.387**
		ANT3	4A	ANT2	12A	25.20	24.70	0.571	0.929	22.20	21.70	0.286	0.466	**0.752**
		ANT4	4A	ANT1	12A	20.30	25.70	0.940	0.201	17.30	22.70	0.471	0.101	**0.572**
		ANT4	4A	ANT2	12A	20.30	24.70	0.940	0.929	17.30	21.70	0.471	0.466	**0.937**
	Body	ANT1	4A	ANT2	12A	20.50	24.70	0.921	0.626	17.50	21.70	0.462	0.314	**0.775**
		ANT2	4A	ANT1	12A	18.30	25.70	0.929	0.544	15.30	22.70	0.466	0.273	**0.738**
		ANT3	4A	ANT1	12A	21.50	25.70	0.950	0.544	18.50	22.70	0.476	0.273	**0.749**
		ANT3	4A	ANT2	12A	21.50	24.70	0.950	0.626	18.50	21.70	0.476	0.314	**0.790**
		ANT4	4A	ANT1	12A	21.50	25.70	0.956	0.544	18.50	22.70	0.479	0.273	**0.752**
		ANT4	4A	ANT2	12A	21.50	24.70	0.956	0.626	18.50	21.70	0.479	0.314	**0.793**

UL CA inter-bands	RF Exposure Conditions	Antennna Ports				Standalone worst-case position				UL CA				
						Tune-up Limit (dBm)		Reported 1-g SAR (W/kg)		Tune-up Limit (-3dB) (dBm)		Reported 1-g SAR (W/kg)		
		CC1		CC2		CC1	CC2	CC1	CC2	CC1	CC2	CC1	CC2	CC1+CC2
CA_4A-13A	Head	ANT1	4A	ANT2	13A	25.00	24.70	0.466	0.772	22.00	21.70	0.234	0.387	**0.620**
		ANT2	4A	ANT1	13A	17.60	25.70	0.935	0.295	14.60	22.70	0.469	0.148	**0.616**
		ANT3	4A	ANT1	13A	25.20	25.70	0.571	0.295	22.20	22.70	0.286	0.148	**0.434**
		ANT3	4A	ANT2	13A	25.20	24.70	0.571	0.772	22.20	21.70	0.286	0.387	**0.673**
		ANT4	4A	ANT1	13A	20.30	25.70	0.940	0.295	17.30	22.70	0.471	0.148	**0.619**
		ANT4	4A	ANT2	13A	20.30	24.70	0.940	0.772	17.30	21.70	0.471	0.387	**0.858**
	Body	ANT1	4A	ANT2	13A	20.50	24.70	0.921	0.479	17.50	21.70	0.462	0.240	**0.702**
		ANT2	4A	ANT1	13A	18.30	25.70	0.929	0.868	15.30	22.70	0.466	0.435	**0.901**
		ANT3	4A	ANT1	13A	21.50	25.70	0.950	0.868	18.50	22.70	0.476	0.435	**0.911**
		ANT3	4A	ANT2	13A	21.50	24.70	0.950	0.479	18.50	21.70	0.476	0.240	**0.716**
		ANT4	4A	ANT1	13A	21.50	25.70	0.956	0.868	18.50	22.70	0.479	0.435	**0.914**
		ANT4	4A	ANT2	13A	21.50	24.70	0.956	0.479	18.50	21.70	0.479	0.240	**0.719**
CA_5A-7A	Head	ANT1	5A	ANT2	7A	25.70	18.20	0.310	0.917	22.70	15.20	0.155	0.460	**0.615**
		ANT1	5A	ANT3	7A	25.70	23.70	0.310	0.914	22.70	20.70	0.155	0.458	**0.613**
		ANT1	5A	ANT4	7A	25.70	18.40	0.310	0.547	22.70	15.40	0.155	0.274	**0.430**
		ANT2	5A	ANT1	7A	25.40	25.70	0.847	0.703	22.40	22.70	0.425	0.352	**0.777**
		ANT2	5A	ANT3	7A	25.40	23.70	0.847	0.914	22.40	20.70	0.425	0.458	**0.883**
		ANT2	5A	ANT4	7A	25.40	18.40	0.847	0.547	22.40	15.40	0.425	0.274	**0.699**
	Body	ANT1	5A	ANT2	7A	25.40	19.00	0.883	0.903	22.40	16.00	0.443	0.453	**0.895**
		ANT1	5A	ANT3	7A	25.40	18.90	0.883	0.905	22.40	15.90	0.443	0.454	**0.896**
		ANT1	5A	ANT4	7A	25.40	19.50	0.883	0.917	22.40	16.50	0.443	0.460	**0.902**
		ANT2	5A	ANT1	7A	24.70	20.50	0.589	0.927	21.70	17.50	0.295	0.465	**0.760**
		ANT2	5A	ANT3	7A	24.70	18.90	0.589	0.905	21.70	15.90	0.295	0.454	**0.749**
		ANT2	5A	ANT4	7A	24.70	19.50	0.589	0.917	21.70	16.50	0.295	0.460	**0.755**
CA_5A-66A	Head	ANT1	5A	ANT2	66A	25.70	17.60	0.310	0.935	22.70	14.60	0.155	0.469	**0.624**
		ANT1	5A	ANT3	66A	25.70	25.20	0.310	0.571	22.70	22.20	0.155	0.286	**0.442**
		ANT1	5A	ANT4	66A	25.70	20.30	0.310	0.940	22.70	17.30	0.155	0.471	**0.626**
		ANT2	5A	ANT1	66A	25.40	25.00	0.847	0.466	22.40	22.00	0.425	0.234	**0.658**
		ANT2	5A	ANT3	66A	25.40	25.20	0.847	0.571	22.40	22.20	0.425	0.286	**0.711**
		ANT2	5A	ANT4	66A	25.40	20.30	0.847	0.940	22.40	17.30	0.425	0.471	**0.896**
	Body	ANT1	5A	ANT2	66A	25.40	18.30	0.883	0.929	22.40	15.30	0.443	0.466	**0.908**
		ANT1	5A	ANT3	66A	25.40	21.50	0.883	0.950	22.40	18.50	0.443	0.476	**0.919**
		ANT1	5A	ANT4	66A	25.40	21.50	0.883	0.956	22.40	18.50	0.443	0.479	**0.922**
		ANT2	5A	ANT1	66A	24.70	20.50	0.589	0.921	21.70	17.50	0.295	0.462	**0.757**
		ANT2	5A	ANT3	66A	24.70	21.50	0.589	0.950	21.70	18.50	0.295	0.476	**0.771**
		ANT2	5A	ANT4	66A	24.70	21.50	0.589	0.956	21.70	18.50	0.295	0.479	**0.774**
CA_12A-66A	Head	ANT1	12A	ANT2	66A	25.70	17.60	0.201	0.935	22.70	14.60	0.101	0.469	**0.569**
		ANT1	12A	ANT3	66A	25.70	25.20	0.201	0.571	22.70	22.20	0.101	0.286	**0.387**
		ANT1	12A	ANT4	66A	25.70	20.30	0.201	0.940	22.70	17.30	0.101	0.471	**0.572**
		ANT2	12A	ANT1	66A	24.70	25.00	0.929	0.466	21.70	22.00	0.466	0.234	**0.699**
		ANT2	12A	ANT3	66A	24.70	25.20	0.929	0.571	21.70	22.20	0.466	0.286	**0.752**
		ANT2	12A	ANT4	66A	24.70	20.30	0.929	0.940	21.70	17.30	0.466	0.471	**0.937**
	Body	ANT1	12A	ANT2	66A	25.70	18.30	0.544	0.929	22.70	15.30	0.273	0.466	**0.738**
		ANT1	12A	ANT3	66A	25.70	21.50	0.544	0.950	22.70	18.50	0.273	0.476	**0.749**
		ANT1	12A	ANT4	66A	25.70	21.50	0.544	0.956	22.70	18.50	0.273	0.479	**0.752**
		ANT2	12A	ANT1	66A	24.70	20.50	0.626	0.921	21.70	17.50	0.314	0.462	**0.775**
		ANT2	12A	ANT3	66A	24.70	21.50	0.626	0.950	21.70	18.50	0.314	0.476	**0.790**
		ANT2	12A	ANT4	66A	24.70	21.50	0.626	0.956	21.70	18.50	0.314	0.479	**0.793**
CA_13A-66A	Head	ANT1	13A	ANT2	66A	25.70	17.60	0.295	0.935	22.70	14.60	0.148	0.469	**0.616**
		ANT1	13A	ANT3	66A	25.70	25.20	0.295	0.571	22.70	22.20	0.148	0.286	**0.434**
		ANT1	13A	ANT4	66A	25.70	20.30	0.295	0.940	22.70	17.30	0.148	0.471	**0.619**
		ANT2	13A	ANT1	66A	24.70	25.00	0.772	0.466	21.70	22.00	0.387	0.234	**0.620**
		ANT2	13A	ANT3	66A	24.70	25.20	0.772	0.571	21.70	22.20	0.387	0.286	**0.673**
		ANT2	13A	ANT4	66A	24.70	20.30	0.772	0.940	21.70	17.30	0.387	0.471	**0.858**
	Body	ANT1	13A	ANT2	66A	25.70	18.30	0.868	0.929	22.70	15.30	0.435	0.466	**0.901**
		ANT1	13A	ANT3	66A	25.70	21.50	0.868	0.950	22.70	18.50	0.435	0.476	**0.911**
		ANT1	13A	ANT4	66A	25.70	21.50	0.868	0.956	22.70	18.50	0.435	0.479	**0.914**
		ANT2	13A	ANT1	66A	24.70	20.50	0.479	0.921	21.70	17.50	0.240	0.462	**0.702**
		ANT2	13A	ANT3	66A	24.70	21.50	0.479	0.950	21.70	18.50	0.240	0.476	**0.716**
		ANT2	13A	ANT4	66A	24.70	21.50	0.479	0.956	21.70	18.50	0.240	0.479	**0.719**

Conclusion:

The single uplink 1-g SAR values for each band are both less than 0.8 W/kg and the algebraic summation of the 1-g SAR values are less than 1.45 W/kg. Therefore, no additional measurements are required.

9.6. LTE Down-Link Carrier Aggregation

This device supports LTE downlink carrier aggregation (CA). The tables appendix G is show the supported frequency bands of the device for DL Inter-band and DL Intra-band combinations.

9.7. 5G NR(FR1)

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

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

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

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

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

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

The allowed A-MPR values specified below in Table 6.2.3.3.1-1 of 3GPP TS138.521-1 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of “NS_01”

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

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

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

Channel Bandwidth	SCS(kHz)	OFDM	RB allocation							
			Edge_Full_Left	Edge_Full_Right	Edge_1RB_Left	Edge_1RB_Right	Outer_Full	Inner_Full	Inner_1RB_Left	Inner_1RB_Right
5MHz	15	DFT-s	2@0	2@23	1@0	1@24	25@0	12@6	1@1	1@23
		CP	2@0	2@23	1@0	1@24	25@0	13@6	1@1	1@23
	30	DFT-s	2@0	2@9	1@0	1@10	10@0	5@2[1]	1@1	1@9
		CP	2@0	2@9	1@0	1@10	11@0	5@2[1]	1@1	1@9
	60	DFT-s	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10MHz	15	DFT-s	2@0	2@50	1@0	1@51	50@0	25@12	1@1	1@50
		CP	2@0	2@50	1@0	1@51	52@0	26@13	1@1	1@50
	30	DFT-s	2@0	2@22	1@0	1@23	24@0	12@6	1@1	1@22
		CP	2@0	2@22	1@0	1@23	24@0	12@6	1@1	1@22
	60	DFT-s	2@0	2@9	1@0	1@10	10@0	5@2[1]	1@1	1@9
		CP	2@0	2@9	1@0	1@10	11@0	5@2[1]	1@1	1@9
15MHz	15	DFT-s	2@0	2@77	1@0	1@78	75@0	36@18	1@1	1@77
		CP	2@0	2@77	1@0	1@78	79@0	39@19[1]	1@1	1@77
	30	DFT-s	2@0	2@36	1@0	1@37	36@0	18@9	1@1	1@36
		CP	2@0	2@36	1@0	1@37	38@0	19@9	1@1	1@36
	60	DFT-s	2@0	2@16	1@0	1@17	18@0	9@4	1@1	1@16
		CP	2@0	2@16	1@0	1@17	18@0	9@4	1@1	1@16
20MHz	15	DFT-s	2@0	2@104	1@0	1@105	100@0	50@25	1@1	1@104
		CP	2@0	2@104	1@0	1@105	106@0	53@26	1@1	1@104
	30	DFT-s	2@0	2@49	1@0	1@50	50@0	25@12	1@1	1@49
		CP	2@0	2@49	1@0	1@50	51@0	25@12[1]	1@1	1@49
	60	DFT-s	2@0	2@22	1@0	1@23	24@0	12@6	1@1	1@22
		CP	2@0	2@22	1@0	1@23	24@0	12@6	1@1	1@22
25MHz	15	DFT-s	2@0	2@131	1@0	1@132	128@0	64@32	1@1	1@131
		CP	2@0	2@131	1@0	1@132	133@0	67@33	1@1	1@131
	30	DFT-s	2@0	2@63	1@0	1@64	64@0	32@16	1@1	1@63
		CP	2@0	2@63	1@0	1@64	65@0	33@16	1@1	1@63
	60	DFT-s	2@0	2@29	1@0	1@30	30@0	15@7[1]	1@1	1@29
		CP	2@0	2@29	1@0	1@30	31@0	15@7[1]	1@1	1@29
30MHz	15	DFT-s	2@0	2@158	1@0	1@159	160@0	80@40	1@1	1@158
		CP	2@0	2@158	1@0	1@159	160@0	80@40	1@1	1@158
	30	DFT-s	2@0	2@76	1@0	1@77	75@0	36@18	1@1	1@76
		CP	2@0	2@76	1@0	1@77	78@0	39@19	1@1	1@76
	60	DFT-s	2@0	2@36	1@0	1@37	36@0	18@9	1@1	1@36
		CP	2@0	2@36	1@0	1@37	38@0	19@9	1@1	1@36
40MHz	15	DFT-s	2@0	2@214	1@0	1@215	216@0	108@54	1@1	1@214
		CP	2@0	2@214	1@0	1@215	216@0	108@54	1@1	1@214
	30	DFT-s	2@0	2@104	1@0	1@105	100@0	50@25	1@1	1@104
		CP	2@0	2@104	1@0	1@105	106@0	53@26	1@1	1@104
	60	DFT-s	2@0	2@49	1@0	1@50	50@0	25@12	1@1	1@49
		CP	2@0	2@49	1@0	1@50	51@0	25@12[1]	1@1	1@49
50MHz	15	DFT-s	2@0	2@268	1@0	1@269	270@0	135@67	1@1	1@268
		CP	2@0	2@268	1@0	1@269	270@0	135@67	1@1	1@268
	30	DFT-s	2@0	2@131	1@0	1@132	128@0	64@32	1@1	1@131
		CP	2@0	2@131	1@0	1@132	133@0	67@33	1@1	1@131
	60	DFT-s	2@0	2@63	1@0	1@64	64@0	32@16	1@1	1@63
		CP	2@0	2@63	1@0	1@64	65@0	33@16	1@1	1@63
60MHz	15	DFT-s	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	30	DFT-s	2@0	2@160	1@0	1@161	162@0	81@40	1@1	1@160
		CP	2@0	2@160	1@0	1@161	162@0	81@40	1@1	1@160
	60	DFT-s	2@0	2@77	1@0	1@78	75@0	36@18	1@1	1@77
		CP	2@0	2@77	1@0	1@78	79@0	39@19[1]	1@1	1@77
80MHz	15	DFT-s	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	30	DFT-s	2@0	2@215	1@0	1@216	216@0	108@54	1@1	1@215
		CP	2@0	2@215	1@0	1@216	217@0	109@54	1@1	1@215
	60	DFT-s	2@0	2@105	1@0	1@106	100@0	50@25	1@1	1@105
		CP	2@0	2@105	1@0	1@106	107@0	53@26[1]	1@1	1@105
90MHz	15	DFT-s	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	30	DFT-s	2@0	2@243	1@0	1@244	240@0	120@60	1@1	1@243
		CP	2@0	2@243	1@0	1@244	245@0	123@61	1@1	1@243
	60	DFT-s	2@0	2@119	1@0	1@120	120@0	60@30	1@1	1@119
		CP	2@0	2@119	1@0	1@120	121@0	61@30	1@1	1@119
100MHz	15	DFT-s	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	30	DFT-s	2@0	2@271	1@0	1@272	270@0	135@67	1@1	1@271
		CP	2@0	2@271	1@0	1@272	273@0	137@68	1@1	1@271
	60	DFT-s	2@0	2@133	1@0	1@134	135@0	64@32	1@1	1@133
		CP	2@0	2@133	1@0	1@134	135@0	67@33[1]	1@1	1@133

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

Output Power for 5G NR (FR1)

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

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

- NR Band n2 (1850-1910 MHz) is covered by NR Band n25 (1850-1915 MHz)

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

SAR measurement is not required for the Pi/2 BPSK, 16QAM, 64QAM and 256QAM. When the highest maximum output power for Pi/2 BPSK, 16QAM, 64QAM and 256QAM is ≤ ½ dB higher than the QPSK or when the reported SAR for the QPSK configuration is ≤ 1.45 W/kg.

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

RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)								Tolerance	Target Output Power (dBm)							
		ANT1		ANT2		ANT3		ANT4			ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
NR n2	QPSK	23.50	16.60	18.80	18.50	23.70	19.80	18.90	21.30	0.7 / -1.0	24.20	17.30	19.50	19.20	24.40	20.50	19.60	22.00
NR n5	QPSK	25.00	24.70	24.00	24.00					0.7 / -1.0	25.70	25.40	24.70	24.70				
NR n7(BW≤20 MHz)	QPSK	25.00	19.80	17.50	18.30	23.00	18.20	17.70	18.80	0.7 / -1.0	25.70	20.50	18.20	19.00	23.70	18.90	18.40	19.50
NR n7(BW>20 MHz)	QPSK	23.00	19.80	17.50	18.30	22.50	18.20	17.70	18.80	0.7 / -1.0	23.70	20.50	18.20	19.00	23.20	18.90	18.40	19.50
NR n12	QPSK	25.00	25.00	24.00	24.00					0.7 / -1.0	25.70	25.70	24.70	24.70				
NR n25(BW≤20 MHz)	QPSK	23.50	16.60	18.80	18.50	23.70	19.80	18.90	21.30	0.7 / -1.0	24.20	17.30	19.50	19.20	24.40	20.50	19.60	22.00
NR n25(BW>20 MHz)	QPSK	23.00	16.60	18.80	18.50	22.50	19.80	18.90	21.00	0.7 / -1.0	23.70	17.30	19.50	19.20	23.20	20.50	19.60	21.70
NR n30	QPSK	25.00	20.40	18.90	19.80	21.60	19.00	18.10	19.90	0.7 / -1.0	25.70	21.10	19.60	20.50	22.30	19.70	18.80	20.60
NR n41 (PC3)	QPSK	25.00	19.00	16.00	18.10	22.60	18.10	17.10	18.80	0.7 / -1.0	25.70	19.70	16.70	18.80	23.30	18.80	17.80	19.50
NR n41 (PC2)	QPSK	24.00	19.00	16.00	18.10	22.60	18.10	17.10	18.80	0.7 / -1.0	24.70	19.70	16.70	18.80	23.30	18.80	17.80	19.50
NR n66(BW≤20 MHz)	QPSK	24.30	19.80	16.90	17.60	24.50	20.80	19.60	20.80	0.7 / -1.0	25.00	20.50	17.60	18.30	25.20	21.50	20.30	21.50
NR n66(BW>20 MHz)	QPSK	23.00	19.80	16.90	17.60	22.50	20.80	19.60	20.80	0.7 / -1.0	23.70	20.50	17.60	18.30	23.20	21.50	20.30	21.50
NR n71	QPSK	25.00	25.00	24.00	24.00					0.7 / -1.0	25.70	25.70	24.70	24.70				
RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)								Tolerance	Target Output Power (dBm)							
		ANT7		ANT8		ANT9		ANT4			ANT7		ANT8		ANT9		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
NR n77 (PC3)	QPSK	25.00	18.60	18.80	19.80	25.00	19.30	19.30	18.80	0.7 / -1.0	25.70	19.30	19.50	20.50	25.70	20.00	20.00	19.50
NR n77 (PC2)	QPSK	27.00	18.60	18.80	19.80	26.50	19.30	19.30	18.80	0.7 / -1.0	27.70	19.30	19.50	20.50	27.20	20.00	20.00	19.50

NR Band 5 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					167300	MPR	Tune-up Limit		167300	MPR	Tune-up Limit	
					836.6 MHz				836.6 MHz			
20	DFS-s OFDM	π/2 BPSK	1	1	25.02	0.0	25.70		25.02	0.0	25.40	
			1	53	24.87	0.0	25.70		24.87	0.0	25.40	
			1	104	24.84	0.0	25.70		24.84	0.0	25.40	
			50	28	24.82	0.0	25.70		24.82	0.0	25.40	
			100	0	24.42	0.5	25.20		24.42	0.2	25.20	
		QPSK	1	1	25.02	0.0	25.70		25.02	0.0	25.40	
			1	53	25.02	0.0	25.70		25.02	0.0	25.40	
			1	104	24.82	0.0	25.70		24.82	0.0	25.40	
			50	28	25.01	0.0	25.70		25.01	0.0	25.40	
			100	0	24.42	1.0	24.70		24.42	0.7	24.70	
		16QAM	1	1	24.00	1.0	24.70		24.00	0.7	24.70	
		64QAM	1	1	22.51	2.5	23.20		22.51	2.2	23.20	
		256QAM	1	1	20.43	4.5	21.20		20.43	4.2	21.20	
	CP-OFDM	QPSK	1	1	23.49	1.5	24.20		23.49	1.2	24.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					167300	MPR	Tune-up Limit		167300	MPR	Tune-up Limit	
					836.5 MHz				836.5 MHz			
15	DFS-s OFDM	π/2 BPSK	1	1	24.91	0.0	25.70		24.91	0.0	25.40	
			1	40	25.02	0.0	25.70		25.02	0.0	25.40	
			1	77	25.01	0.0	25.70		25.01	0.0	25.40	
			36	18	24.89	0.0	25.70		24.89	0.0	25.40	
			75	0	24.39	0.5	25.20		24.39	0.2	25.20	
		QPSK	1	1	24.94	0.0	25.70		24.94	0.0	25.40	
			1	40	24.83	0.0	25.70		24.83	0.0	25.40	
			1	77	24.89	0.0	25.70		24.89	0.0	25.40	
			36	18	24.80	0.0	25.70		24.80	0.0	25.40	
			75	0	23.91	1.0	24.70		23.91	0.7	24.70	
		16QAM	1	1	23.96	1.0	24.70		23.96	0.7	24.70	
		64QAM	1	1	22.47	2.5	23.20		22.47	2.2	23.20	
		256QAM	1	1	20.44	4.5	21.20		20.44	4.2	21.20	
	CP-OFDM	QPSK	1	1	23.45	1.5	24.20		23.45	1.2	24.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					167300	MPR	Tune-up Limit		167300	MPR	Tune-up Limit	
					836.5 MHz				836.5 MHz			
10	DFS-s OFDM	π/2 BPSK	1	1	24.98	0.0	25.70		24.98	0.0	25.40	
			1	25	24.97	0.0	25.70		24.97	0.0	25.40	
			1	50	25.02	0.0	25.70		25.02	0.0	25.40	
			25	12	24.86	0.0	25.70		24.86	0.0	25.40	
			50	0	24.31	0.5	25.20		24.31	0.2	25.20	
		QPSK	1	1	24.75	0.0	25.70		24.75	0.0	25.40	
			1	25	24.86	0.0	25.70		24.86	0.0	25.40	
			1	50	24.85	0.0	25.70		24.85	0.0	25.40	
			25	12	24.94	0.0	25.70		24.94	0.0	25.40	
			50	0	23.85	1.0	24.70		23.85	0.7	24.70	
		16QAM	1	1	23.93	1.0	24.70		23.93	0.7	24.70	
		64QAM	1	1	22.44	2.5	23.20		22.44	2.2	23.20	
		256QAM	1	1	20.52	4.5	21.20		20.52	4.2	21.20	
	CP-OFDM	QPSK	1	1	23.50	1.5	24.20		23.50	1.2	24.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					165300	167300	169300	MPR	Tune-up Limit	165300	167300	169300	MPR	Tune-up Limit
					826.5 MHz	836.5 MHz	846.5 MHz			826.5 MHz	836.5 MHz	846.5 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	25.02	24.92	24.91	0.0	25.70	25.02	24.92	24.91	0.0	25.40
			1	12	25.01	24.97	24.88	0.0	25.70	25.01	24.97	24.88	0.0	25.40
			1	23	24.96	24.83	24.90	0.0	25.70	24.96	24.83	24.90	0.0	25.40
			12	6	25.02	24.84	24.78	0.0	25.70	25.02	24.84	24.78	0.0	25.40
			25	0	24.52	23.86	24.25	0.5	25.20	24.52	23.86	24.25	0.2	25.20
		QPSK	1	1	24.94	24.99	24.85	0.0	25.70	24.94	24.99	24.85	0.0	25.40
			1	12	24.97	24.89	24.88	0.0	25.70	24.97	24.89	24.88	0.0	25.40
			1	23	24.79	24.90	24.92	0.0	25.70	24.79	24.90	24.92	0.0	25.40
			12	6	24.93	24.83	24.81	0.0	25.70	24.93	24.83	24.81	0.0	25.40
			25	0	23.96	23.84	23.81	1.0	24.70	23.96	23.84	23.81	0.7	24.70
		16QAM	1	1	24.02	24.01	23.96	1.0	24.70	24.02	24.01	23.96	0.7	24.70
		64QAM	1	1	22.52	22.43	22.52	2.5	23.20	22.52	22.43	22.52	2.2	23.20
		256QAM	1	1	20.50	20.50	20.50	4.5	21.20	20.50	20.50	20.50	4.2	21.20
	CP-OFDM	QPSK	1	1	23.49	23.49	23.43	1.5	24.20	23.49	23.49	23.43	1.2	24.20

NR Band 5 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					[redacted]	167300 836.6 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	167300 836.6 MHz	[redacted]	MPR	Tune-up Limit
20	DFS-s OFDM	π/2 BPSK	1	1		23.75		0.0	24.70		23.75		0.0	24.70
			1	53		23.99		0.0	24.70		23.99		0.0	24.70
			1	104		23.75		0.0	24.70		23.75		0.0	24.70
			50	28		23.81		0.0	24.70		23.81		0.0	24.70
			100	0		23.45		0.5	24.20		23.45		0.5	24.20
		QPSK	1	1		23.96		0.0	24.70		23.96		0.0	24.70
			1	53		24.04		0.0	24.70		24.04		0.0	24.70
			1	104		23.64		0.0	24.70		23.64		0.0	24.70
			50	28		23.91		0.0	24.70		23.91		0.0	24.70
			100	0		22.81		1.0	23.70		22.81		1.0	23.70
		16QAM	1	1		22.84		1.0	23.70		22.84		1.0	23.70
		64QAM	1	1		21.40		2.5	22.20		21.40		2.5	22.20
		256QAM	1	1		19.41		4.5	20.20		19.41		4.5	20.20
	CP-OFDM	QPSK	1	1		22.37		1.5	23.20		22.37		1.5	23.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					[redacted]	167300 836.5 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	167300 836.5 MHz	[redacted]	MPR	Tune-up Limit
15	DFS-s OFDM	π/2 BPSK	1	1		23.97		0.0	24.70		23.97		0.0	24.70
			1	39		24.02		0.0	24.70		24.02		0.0	24.70
			1	77		23.92		0.0	24.70		23.92		0.0	24.70
			36	18		23.85		0.0	24.70		23.85		0.0	24.70
			75	0		23.52		0.5	24.20		23.52		0.5	24.20
		QPSK	1	1		23.95		0.0	24.70		23.95		0.0	24.70
			1	39		23.88		0.0	24.70		23.88		0.0	24.70
			1	77		23.80		0.0	24.70		23.80		0.0	24.70
			36	18		23.79		0.0	24.70		23.79		0.0	24.70
			75	0		22.83		1.0	23.70		22.83		1.0	23.70
		16QAM	1	1		22.64		1.0	23.70		22.64		1.0	23.70
		64QAM	1	1		21.50		2.5	22.20		21.50		2.5	22.20
		256QAM	1	1		19.53		4.5	20.20		19.53		4.5	20.20
	CP-OFDM	QPSK	1	1		21.95		1.5	23.20		21.95		1.5	23.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					[redacted]	167300 836.5 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	167300 836.5 MHz	[redacted]	MPR	Tune-up Limit
10	DFS-s OFDM	π/2 BPSK	1	1		23.85		0.0	24.70		23.85		0.0	24.70
			1	25		23.96		0.0	24.70		23.96		0.0	24.70
			1	50		23.80		0.0	24.70		23.80		0.0	24.70
			25	12		23.83		0.0	24.70		23.83		0.0	24.70
			50	0		23.44		0.5	24.20		23.44		0.5	24.20
		QPSK	1	1		23.86		0.0	24.70		23.86		0.0	24.70
			1	25		23.97		0.0	24.70		23.97		0.0	24.70
			1	50		23.84		0.0	24.70		23.84		0.0	24.70
			25	12		23.83		0.0	24.70		23.83		0.0	24.70
			50	0		22.89		1.0	23.70		22.89		1.0	23.70
		16QAM	1	1		22.71		1.0	23.70		22.71		1.0	23.70
		64QAM	1	1		21.46		2.5	22.20		21.46		2.5	22.20
		256QAM	1	1		19.48		4.5	20.20		19.48		4.5	20.20
	CP-OFDM	QPSK	1	1		22.06		1.5	23.20		22.06		1.5	23.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					165300 826.5 MHz	167300 836.5 MHz	169300 846.5 MHz	MPR	Tune-up Limit	165300 826.5 MHz	167300 836.5 MHz	169300 846.5 MHz	MPR	Tune-up Limit
5	DFS-s OFDM	π/2 BPSK	1	1	24.02	24.00	23.96	0.0	24.70	24.02	24.00	23.96	0.0	24.70
			1	12	23.94	23.90	23.79	0.0	24.70	23.94	23.90	23.79	0.0	24.70
			1	23	23.94	23.87	23.63	0.0	24.70	23.94	23.87	23.63	0.0	24.70
			12	6	24.02	23.95	23.69	0.0	24.70	24.02	23.95	23.69	0.0	24.70
			25	0	23.32	23.54	23.39	0.5	24.20	23.32	23.54	23.39	0.5	24.20
		QPSK	1	1	23.82	23.96	24.00	0.0	24.70	23.82	23.96	24.00	0.0	24.70
			1	12	23.81	23.96	23.81	0.0	24.70	23.81	23.96	23.81	0.0	24.70
			1	23	23.90	23.93	23.53	0.0	24.70	23.90	23.93	23.53	0.0	24.70
			12	6	23.98	23.89	23.76	0.0	24.70	23.98	23.89	23.76	0.0	24.70
			25	0	22.96	22.89	22.69	1.0	23.70	22.96	22.89	22.69	1.0	23.70
		16QAM	1	1	23.01	22.97	22.96	1.0	23.70	23.01	22.97	22.96	1.0	23.70
		64QAM	1	1	21.53	21.38	21.47	2.5	22.20	21.53	21.38	21.47	2.5	22.20
		256QAM	1	1	19.14	19.49	19.49	4.5	20.20	19.14	19.49	19.49	4.5	20.20
	CP-OFDM	QPSK	1	1	22.45	22.42	22.29	1.5	23.20	22.45	22.42	22.29	1.5	23.20

NR Band 7 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
40	DFS-s OFDM	π/2 BPSK	1	1	22.97	0.0	23.70		19.56	0.0	20.50	
			1	107	22.97	0.0	23.70		19.89	0.0	20.50	
			1	214	22.83	0.0	23.70		19.51	0.0	20.50	
			108	54	22.87	0.0	23.70		19.84	0.0	20.50	
			216	0	22.42	0.5	23.20		19.78	0.0	20.50	
		QPSK	1	1	22.79	0.0	23.70		19.45	0.0	20.50	
			1	107	23.07	0.0	23.70		19.93	0.0	20.50	
			1	214	22.59	0.0	23.70		19.43	0.0	20.50	
			108	54	23.04	0.0	23.70		19.93	0.0	20.50	
			216	0	22.42	1.0	22.70		19.91	0.0	20.50	
		16QAM	1	1	22.00	1.0	22.70		19.87	0.0	20.50	
		64QAM	1	1	20.55	2.5	21.20		19.91	0.0	20.50	
		256QAM	1	1	18.55	4.5	19.20		18.61	1.3	19.20	
	CP-OFDM	QPSK	1	1	21.54	1.5	22.20		19.90	0.0	20.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
30	DFS-s OFDM	π/2 BPSK	1	1	22.85	0.0	23.70		19.86	0.0	20.50	
			1	79	23.04	0.0	23.70		19.85	0.0	20.50	
			1	158	22.81	0.0	23.70		19.68	0.0	20.50	
			80	40	22.78	0.0	23.70		19.86	0.0	20.50	
			160	0	22.46	0.5	23.20		19.83	0.0	20.50	
		QPSK	1	1	22.95	0.0	23.70		19.87	0.0	20.50	
			1	107	22.90	0.0	23.70		19.93	0.0	20.50	
			1	214	23.02	0.0	23.70		19.75	0.0	20.50	
			108	54	22.80	0.0	23.70		19.87	0.0	20.50	
			214	0	22.07	1.0	22.70		19.85	0.0	20.50	
		16QAM	1	1	22.00	1.0	22.70		19.86	0.0	20.50	
		64QAM	1	1	20.50	2.5	21.20		19.90	0.0	20.50	
		256QAM	1	1	18.51	4.5	19.20		18.57	1.3	19.20	
	CP-OFDM	QPSK	1	1	21.38	1.5	22.20		19.89	0.0	20.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
25	DFS-s OFDM	π/2 BPSK	1	1	22.78	0.0	23.70		19.79	0.0	20.50	
			1	66	23.07	0.0	23.70		19.93	0.0	20.50	
			1	131	22.87	0.0	23.70		19.55	0.0	20.50	
			64	32	22.92	0.0	23.70		19.93	0.0	20.50	
			128	0	22.57	0.5	23.20		19.85	0.0	20.50	
		QPSK	1	1	22.96	0.0	23.70		19.84	0.0	20.50	
			1	66	22.98	0.0	23.70		19.91	0.0	20.50	
			1	131	22.80	0.0	23.70		19.84	0.0	20.50	
			64	32	22.92	0.0	23.70		19.84	0.0	20.50	
			128	0	21.87	1.0	22.70		19.85	0.0	20.50	
		16QAM	1	1	22.07	1.0	22.70		19.91	0.0	20.50	
		64QAM	1	1	20.48	2.5	21.20		19.87	0.0	20.50	
		256QAM	1	1	18.52	4.5	19.20		18.58	1.3	19.20	
	CP-OFDM	QPSK	1	1	21.51	1.5	22.20		19.88	0.0	20.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					502000	507000	512000	MPR	Tune-up Limit	502000	507000	512000	MPR	Tune-up Limit
					2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20	DFS-s OFDM	π/2 BPSK	1	1	25.07	24.86	24.55	0.0	25.70	19.89	19.57	19.41	0.0	20.50
			1	53	24.96	25.00	24.60	0.0	25.70	19.66	19.82	19.44	0.0	20.50
			1	104	24.71	24.81	24.57	0.0	25.70	19.69	19.68	19.63	0.0	20.50
			50	28	24.90	24.91	24.99	0.0	25.70	19.73	19.75	19.54	0.0	20.50
			100	0	24.54	24.48	24.57	0.5	25.20	19.40	19.37	19.48	0.0	20.50
		QPSK	1	1	25.07	24.77	24.99	0.0	25.70	19.90	19.64	19.59	0.0	20.50
			1	53	25.07	25.03	25.10	0.0	25.70	19.80	19.81	19.64	0.0	20.50
			1	104	24.73	25.03	24.81	0.0	25.70	19.86	19.81	19.58	0.0	20.50
			50	28	25.00	24.94	24.95	0.0	25.70	19.80	19.71	19.93	0.0	20.50
			100	0	24.06	24.02	23.94	1.0	24.70	19.75	19.71	19.50	0.0	20.50
		16QAM	1	1	24.06	24.01	24.06	1.0	24.70	19.84	19.84	19.91	0.0	20.50
		64QAM	1	1	22.57	22.48	22.52	2.5	23.20	19.91	19.93	19.87	0.0	20.50
		256QAM	1	1	20.55	20.56	20.54	4.5	21.20	19.92	19.90	19.85	0.0	20.50
	CP-OFDM	QPSK	1	1	23.52	23.48	23.50	1.5	24.20	19.91	19.91	19.93	0.0	20.50

NR Band 7 Measured Results (ANT1) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					501500	507000	512500	MPR	Tune-up Limit	501500	507000	512500	MPR	Tune-up Limit
					2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15	DFS-s OFDM	π/2 BPSK	1	1	24.95	24.97	25.04	0.0	25.70	19.63	19.91	19.67	0.0	20.50
			1	40	25.07	25.05	24.97	0.0	25.70	19.77	19.89	19.88	0.0	20.50
			1	77	25.06	24.92	24.86	0.0	25.70	19.86	19.84	19.75	0.0	20.50
			36	18	25.00	24.92	25.02	0.0	25.70	19.88	19.83	19.77	0.0	20.50
			75	0	24.57	24.52	24.57	0.5	25.20	19.52	19.47	19.53	0.0	20.50
		QPSK	1	1	25.02	24.98	24.98	0.0	25.70	19.89	19.93	19.81	0.0	20.50
			1	40	24.99	25.05	24.97	0.0	25.70	19.77	19.89	19.63	0.0	20.50
			1	77	24.95	24.99	25.06	0.0	25.70	19.72	19.93	19.90	0.0	20.50
			36	18	24.98	25.07	24.98	0.0	25.70	19.88	19.76	19.88	0.0	20.50
			75	0	23.92	23.81	23.86	1.0	24.70	19.93	19.85	19.83	0.0	20.50
		16QAM	1	1	24.03	24.07	24.04	1.0	24.70	19.87	19.89	19.91	0.0	20.50
		64QAM	1	1	22.55	22.55	22.54	2.5	23.20	19.88	19.87	19.87	0.0	20.50
		256QAM	1	1	20.50	20.54	20.54	4.5	21.20	19.90	19.84	19.90	0.0	20.50
	CP-OFDM	QPSK	1	1	23.53	23.49	23.56	1.5	24.20	19.87	19.91	19.91	0.0	20.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					501000	507000	513000	MPR	Tune-up Limit	501000	507000	513000	MPR	Tune-up Limit
					2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10	DFS-s OFDM	π/2 BPSK	1	1	24.93	24.95	25.07	0.0	25.70	19.80	19.83	19.86	0.0	20.50
			1	25	25.07	24.99	24.99	0.0	25.70	19.76	19.82	19.90	0.0	20.50
			1	50	24.97	25.03	24.89	0.0	25.70	19.77	19.67	19.61	0.0	20.50
			25	12	25.01	25.07	25.03	0.0	25.70	19.81	19.65	19.86	0.0	20.50
			50	0	24.55	24.54	24.57	0.5	25.20	19.47	19.41	19.50	0.0	20.50
		QPSK	1	1	24.84	24.94	25.06	0.0	25.70	19.81	19.70	19.42	0.0	20.50
			1	25	24.79	24.96	25.02	0.0	25.70	19.79	19.82	19.88	0.0	20.50
			1	50	24.88	25.06	24.96	0.0	25.70	19.87	19.70	19.79	0.0	20.50
			25	12	25.00	24.97	24.97	0.0	25.70	19.79	19.78	19.83	0.0	20.50
			50	0	24.07	24.03	23.83	1.0	24.70	19.80	19.71	19.84	0.0	20.50
		16QAM	1	1	24.04	23.98	24.00	1.0	24.70	19.91	19.67	19.91	0.0	20.50
		64QAM	1	1	22.53	22.48	22.53	2.5	23.20	19.92	19.84	19.89	0.0	20.50
		256QAM	1	1	20.52	20.57	20.55	4.5	21.20	19.87	19.84	19.91	0.0	20.50
	CP-OFDM	QPSK	1	1	23.54	23.55	23.57	1.5	24.20	19.88	19.89	19.89	0.0	20.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					500500	507000	513500	MPR	Tune-up Limit	500500	507000	513500	MPR	Tune-up Limit
					2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	24.96	24.99	24.68	0.0	25.70	19.78	19.86	19.82	0.0	20.50
			1	12	24.99	25.06	24.82	0.0	25.70	19.74	19.64	19.80	0.0	20.50
			1	23	25.04	24.96	24.58	0.0	25.70	19.80	19.73	19.79	0.0	20.50
			12	6	25.07	25.02	25.05	0.0	25.70	19.81	19.67	19.74	0.0	20.50
			25	0	24.55	24.50	24.57	0.5	25.20	19.63	19.59	19.63	0.0	20.50
		QPSK	1	1	24.89	24.92	25.07	0.0	25.70	19.92	19.76	19.76	0.0	20.50
			1	12	24.97	25.07	24.98	0.0	25.70	19.78	19.76	19.56	0.0	20.50
			1	23	25.07	24.93	25.03	0.0	25.70	19.80	19.77	19.77	0.0	20.50
			12	6	25.02	25.05	25.07	0.0	25.70	19.82	19.71	19.83	0.0	20.50
			25	0	24.06	24.07	23.96	1.0	24.70	19.79	19.68	19.76	0.0	20.50
		16QAM	1	1	24.01	24.00	24.07	1.0	24.70	19.86	19.91	19.88	0.0	20.50
		64QAM	1	1	22.57	22.53	22.56	2.5	23.20	19.85	19.88	19.87	0.0	20.50
		256QAM	1	1	20.48	20.46	20.52	4.5	21.20	19.86	19.85	19.90	0.0	20.50
	CP-OFDM	QPSK	1	1	23.50	23.55	23.51	1.5	24.20	19.87	19.87	19.90	0.0	20.50

NR Band 7 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
40	DFS-s OFDM	π/2 BPSK	1	1	17.61	0.0	18.20		18.58	0.0	19.00	
			1	107	17.62	0.0	18.20		18.43	0.0	19.00	
			1	214	17.44	0.0	18.20		18.25	0.0	19.00	
			108	54	17.61	0.0	18.20		18.44	0.0	19.00	
			216	0	17.64	0.0	18.20		18.45	0.0	19.00	
		QPSK	1	1	17.74	0.0	18.20		18.31	0.0	19.00	
			1	107	17.70	0.0	18.20		18.58	0.0	19.00	
			1	214	17.69	0.0	18.20		18.47	0.0	19.00	
			108	54	17.82	0.0	18.20		18.62	0.0	19.00	
			216	0	17.61	0.0	18.20		18.46	0.0	19.00	
		16QAM	1	1	17.72	0.0	18.20		18.19	0.0	19.00	
		64QAM	1	1	17.40	0.0	18.20		18.21	0.3	18.70	
		256QAM	1	1	16.28	1.5	16.70		16.05	2.3	16.70	
	CP-OFDM	QPSK	1	1	17.55	0.0	18.20		18.40	0.0	19.00	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
30	DFS-s OFDM	π/2 BPSK	1	1	17.65	0.0	18.20		18.58	0.0	19.00	
			1	79	17.69	0.0	18.20		18.45	0.0	19.00	
			1	158	17.77	0.0	18.20		18.42	0.0	19.00	
			80	40	17.75	0.0	18.20		18.46	0.0	19.00	
			160	0	17.69	0.0	18.20		18.47	0.0	19.00	
		QPSK	1	1	17.70	0.0	18.20		18.32	0.0	19.00	
			1	107	17.76	0.0	18.20		18.49	0.0	19.00	
			1	214	17.68	0.0	18.20		18.47	0.0	19.00	
			108	54	17.72	0.0	18.20		18.56	0.0	19.00	
			214	0	17.76	0.0	18.20		18.52	0.0	19.00	
		16QAM	1	1	17.38	0.0	18.20		18.28	0.0	19.00	
		64QAM	1	1	17.71	0.0	18.20		18.09	0.3	18.70	
		256QAM	1	1	15.94	1.5	16.70		16.27	2.3	16.70	
	CP-OFDM	QPSK	1	1	17.68	0.0	18.20		18.29	0.0	19.00	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
25	DFS-s OFDM	π/2 BPSK	1	1	17.76	0.0	18.20		18.57	0.0	19.00	
			1	66	17.61	0.0	18.20		18.47	0.0	19.00	
			1	131	17.64	0.0	18.20		18.46	0.0	19.00	
			64	32	17.73	0.0	18.20		18.47	0.0	19.00	
			128	0	17.69	0.0	18.20		18.51	0.0	19.00	
		QPSK	1	1	17.56	0.0	18.20		18.45	0.0	19.00	
			1	66	17.69	0.0	18.20		18.41	0.0	19.00	
			1	131	17.69	0.0	18.20		18.55	0.0	19.00	
			64	32	17.70	0.0	18.20		18.50	0.0	19.00	
			128	0	17.72	0.0	18.20		18.53	0.0	19.00	
		16QAM	1	1	17.22	0.0	18.20		18.09	0.0	19.00	
		64QAM	1	1	17.59	0.0	18.20		18.04	0.3	18.70	
		256QAM	1	1	15.92	1.5	16.70		16.17	2.3	16.70	
	CP-OFDM	QPSK	1	1	17.68	0.0	18.20		18.26	0.0	19.00	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					502000	507000	512000	MPR	Tune-up Limit	502000	507000	512000	MPR	Tune-up Limit
					2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20	DFS-s OFDM	π/2 BPSK	1	1	17.66	17.74	17.72	0.0	18.20	18.34	18.32	18.42	0.0	19.00
			1	53	17.75	17.62	17.62	0.0	18.20	18.42	18.41	18.43	0.0	19.00
			1	104	17.66	17.74	17.59	0.0	18.20	18.29	18.47	18.44	0.0	19.00
			50	28	17.72	17.71	17.71	0.0	18.20	18.38	18.40	18.37	0.0	19.00
			100	0	17.70	17.67	17.75	0.0	18.20	18.37	18.44	18.38	0.0	19.00
		QPSK	1	1	17.70	17.63	17.61	0.0	18.20	18.29	18.39	18.58	0.0	19.00
			1	53	17.69	17.67	17.69	0.0	18.20	18.53	18.44	18.37	0.0	19.00
			1	104	17.63	17.64	17.59	0.0	18.20	18.47	18.53	18.50	0.0	19.00
			50	28	17.71	17.80	17.76	0.0	18.20	18.36	18.61	18.61	0.0	19.00
			100	0	17.70	17.68	17.77	0.0	18.20	18.34	18.42	18.38	0.0	19.00
		16QAM	1	1	17.76	17.78	17.64	0.0	18.20	18.42	18.41	18.32	0.0	19.00
		64QAM	1	1	17.66	17.64	17.67	0.0	18.20	18.57	18.33	18.58	0.0	19.00
		256QAM	1	1	17.54	17.77	17.65	0.0	18.20	17.69	17.45	17.53	0.8	18.20
	CP-OFDM	QPSK	1	1	17.73	17.56	17.60	0.0	18.20	18.56	18.08	18.49	0.0	19.00

NR Band 7 Measured Results (ANT2) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					501500	507000	512500	MPR	Tune-up Limit	501500	507000	512500	MPR	Tune-up Limit
					2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15	DFS-s OFDM	π/2 BPSK	1	1	17.78	17.76	17.73	0.0	18.20	18.49	18.37	18.52	0.0	19.00
			1	39	17.61	17.76	17.64	0.0	18.20	18.56	18.58	18.55	0.0	19.00
			1	77	17.61	17.78	17.72	0.0	18.20	18.43	18.44	18.42	0.0	19.00
			36	18	17.65	17.62	17.75	0.0	18.20	18.53	18.52	18.46	0.0	19.00
			75	0	17.71	17.65	17.62	0.0	18.20	18.52	18.57	18.48	0.0	19.00
		QPSK	1	1	17.76	17.72	17.75	0.0	18.20	18.54	18.51	18.43	0.0	19.00
			1	39	17.75	17.63	17.77	0.0	18.20	18.42	18.50	18.52	0.0	19.00
			1	77	17.74	17.69	17.75	0.0	18.20	18.46	18.49	18.39	0.0	19.00
			36	18	17.77	17.68	17.70	0.0	18.20	18.43	18.57	18.44	0.0	19.00
			75	0	17.72	17.70	17.75	0.0	18.20	18.57	18.39	18.42	0.0	19.00
		16QAM	1	1	17.60	17.60	17.52	0.0	18.20	18.15	18.41	18.35	0.0	19.00
		64QAM	1	1	17.70	17.64	17.70	0.0	18.20	18.49	18.50	18.49	0.0	19.00
		256QAM	1	1	17.66	17.63	17.67	0.0	18.20	17.50	17.71	17.54	0.8	18.20
	CP-OFDM	QPSK	1	1	17.76	17.66	17.63	0.0	18.20	18.52	18.42	18.55	0.0	19.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					501000	507000	513000	MPR	Tune-up Limit	501000	507000	513000	MPR	Tune-up Limit
					2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10	DFS-s OFDM	π/2 BPSK	1	1	17.50	17.75	17.47	0.0	18.20	18.39	18.52	18.37	0.0	19.00
			1	25	17.67	17.62	17.57	0.0	18.20	18.29	18.40	18.38	0.0	19.00
			1	50	17.68	17.66	17.46	0.0	18.20	18.58	18.49	18.42	0.0	19.00
			25	12	17.72	17.63	17.64	0.0	18.20	18.42	18.53	18.57	0.0	19.00
			50	0	17.70	17.58	17.67	0.0	18.20	18.43	18.58	18.58	0.0	19.00
		QPSK	1	1	17.52	17.78	17.63	0.0	18.20	18.58	18.52	18.49	0.0	19.00
			1	25	17.78	17.71	17.55	0.0	18.20	18.51	18.46	18.50	0.0	19.00
			1	50	17.55	17.62	17.57	0.0	18.20	18.25	18.55	18.51	0.0	19.00
			25	12	17.70	17.71	17.65	0.0	18.20	18.53	18.58	18.56	0.0	19.00
			50	0	17.68	17.70	17.65	0.0	18.20	18.53	18.54	18.58	0.0	19.00
		16QAM	1	1	17.67	17.53	17.66	0.0	18.20	18.51	18.18	18.43	0.0	19.00
		64QAM	1	1	17.70	17.73	17.75	0.0	18.20	17.85	18.53	18.46	0.0	19.00
		256QAM	1	1	17.72	17.65	17.69	0.0	18.20	17.70	17.70	17.70	0.8	18.20
	CP-OFDM	QPSK	1	1	17.67	17.67	17.59	0.0	18.20	18.56	18.54	18.47	0.0	19.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					500500	507000	513500	MPR	Tune-up Limit	500500	507000	513500	MPR	Tune-up Limit
					2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	17.59	17.56	17.59	0.0	18.20	18.19	18.45	18.53	0.0	19.00
			1	12	17.59	17.38	17.46	0.0	18.20	18.27	18.49	18.37	0.0	19.00
			1	23	17.60	17.55	17.55	0.0	18.20	18.13	18.58	18.49	0.0	19.00
			12	6	17.50	17.54	17.48	0.0	18.20	18.28	18.42	18.52	0.0	19.00
			25	0	17.44	17.48	17.45	0.0	18.20	18.23	18.30	18.41	0.0	19.00
		QPSK	1	1	17.58	17.46	17.52	0.0	18.20	18.31	18.38	18.55	0.0	19.00
			1	12	17.56	17.39	17.59	0.0	18.20	18.36	18.50	18.42	0.0	19.00
			1	23	17.54	17.60	17.65	0.0	18.20	18.32	18.42	18.52	0.0	19.00
			12	6	17.46	17.51	17.53	0.0	18.20	18.20	18.47	18.31	0.0	19.00
			25	0	17.47	17.57	17.55	0.0	18.20	18.30	18.48	18.49	0.0	19.00
		16QAM	1	1	17.41	17.69	17.75	0.0	18.20	18.38	18.27	18.36	0.0	19.00
		64QAM	1	1	17.64	17.70	17.72	0.0	18.20	18.43	18.50	18.57	0.0	19.00
		256QAM	1	1	17.73	17.74	17.76	0.0	18.20	17.71	17.67	17.70	0.8	18.20
	CP-OFDM	QPSK	1	1	17.59	17.58	17.77	0.0	18.20	18.54	18.49	18.53	0.0	19.00

NR Band 7 Measured Results (ANT3)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					[redacted]	507000 2535 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	507000 2535 MHz	[redacted]	MPR	Tune-up Limit
40	DFS-s OFDM	π/2 BPSK	1	1		22.86		0.0	23.20		18.39		0.0	18.90
			1	107		22.76		0.0	23.20		18.40		0.0	18.90
			1	214		22.87		0.0	23.20		18.62		0.0	18.90
			108	54		22.65		0.0	23.20		18.47		0.0	18.90
			216	0		22.37		0.5	22.70		18.47		0.0	18.90
		QPSK	1	1		22.77		0.0	23.20		18.50		0.0	18.90
			1	107		22.80		0.0	23.20		18.67		0.0	18.90
			1	214		22.75		0.0	23.20		18.57		0.0	18.90
			108	54		22.87		0.0	23.20		18.67		0.0	18.90
			216	0		21.87		1.0	22.20		18.49		0.0	18.90
		16QAM	1	1		21.56		1.0	22.20		18.42		0.0	18.90
		64QAM	1	1		19.79		2.5	20.70		18.45		0.0	18.90
		256QAM	1	1		18.17		4.5	18.70		17.96		0.2	18.70
	CP-OFDM	QPSK	1	1		21.12		1.5	21.70		18.49		0.0	18.90

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					[redacted]	507000 2535 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	507000 2535 MHz	[redacted]	MPR	Tune-up Limit
30	DFS-s OFDM	π/2 BPSK	1	1		22.77		0.0	23.20		18.29		0.0	18.90
			1	79		22.60		0.0	23.20		18.39		0.0	18.90
			1	158		22.69		0.0	23.20		18.35		0.0	18.90
			80	40		22.57		0.0	23.20		18.50		0.0	18.90
			160	0		22.30		0.5	22.70		18.49		0.0	18.90
		QPSK	1	1		22.66		0.0	23.20		18.50		0.0	18.90
			1	107		22.69		0.0	23.20		18.62		0.0	18.90
			1	214		22.60		0.0	23.20		18.41		0.0	18.90
			108	54		22.62		0.0	23.20		18.45		0.0	18.90
			214	0		21.85		1.0	22.20		18.48		0.0	18.90
		16QAM	1	1		21.46		1.0	22.20		18.56		0.0	18.90
		64QAM	1	1		19.66		2.5	20.70		18.62		0.0	18.90
		256QAM	1	1		18.29		4.5	18.70		18.34		0.2	18.70
	CP-OFDM	QPSK	1	1		21.01		1.5	21.70		18.50		0.0	18.90

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					[redacted]	507000 2535 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	507000 2535 MHz	[redacted]	MPR	Tune-up Limit
25	DFS-s OFDM	π/2 BPSK	1	1		22.69		0.0	23.20		18.33		0.0	18.90
			1	66		22.51		0.0	23.20		18.50		0.0	18.90
			1	131		22.67		0.0	23.20		18.54		0.0	18.90
			64	32		22.59		0.0	23.20		18.42		0.0	18.90
			128	0		22.31		0.5	22.70		18.45		0.0	18.90
		QPSK	1	1		22.59		0.0	23.20		18.57		0.0	18.90
			1	66		22.78		0.0	23.20		18.58		0.0	18.90
			1	131		22.75		0.0	23.20		18.53		0.0	18.90
			64	32		22.55		0.0	23.20		18.57		0.0	18.90
			128	0		21.80		1.0	22.20		18.55		0.0	18.90
		16QAM	1	1		21.80		1.0	22.20		18.23		0.0	18.90
		64QAM	1	1		20.08		2.5	20.70		18.27		0.0	18.90
		256QAM	1	1		18.11		4.5	18.70		18.31		0.2	18.70
	CP-OFDM	QPSK	1	1		21.03		1.5	21.70		18.51		0.0	18.90

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					502000 2510 MHz	507000 2535 MHz	512000 2560 MHz	MPR	Tune-up Limit	502000 2510 MHz	507000 2535 MHz	512000 2560 MHz	MPR	Tune-up Limit
20	DFS-s OFDM	π/2 BPSK	1	1	23.27	23.22	23.27	0.0	23.70	18.56	18.55	18.49	0.0	18.90
			1	53	23.26	23.31	23.36	0.0	23.70	18.53	18.61	18.41	0.0	18.90
			1	104	23.19	23.29	23.28	0.0	23.70	18.61	18.52	18.55	0.0	18.90
			50	28	23.33	23.30	23.27	0.0	23.70	18.51	18.52	18.52	0.0	18.90
			100	0	23.26	23.29	23.35	0.0	23.70	18.52	18.56	18.44	0.0	18.90
		QPSK	1	1	23.32	23.27	23.27	0.0	23.70	18.55	18.62	18.59	0.0	18.90
			1	53	23.31	23.29	23.36	0.0	23.70	18.61	18.54	18.63	0.0	18.90
			1	104	23.33	23.37	23.32	0.0	23.70	18.50	18.50	18.48	0.0	18.90
			50	28	23.36	23.35	23.41	0.0	23.70	18.52	18.57	18.63	0.0	18.90
			100	0	23.30	23.29	23.31	0.0	23.70	18.51	18.51	18.46	0.0	18.90
		16QAM	1	1	23.29	23.30	23.29	0.0	23.70	18.62	18.53	18.51	0.0	18.90
		64QAM	1	1	22.45	22.35	22.15	0.5	23.20	18.61	18.46	18.60	0.0	18.90
		256QAM	1	1	20.15	20.56	20.45	2.5	21.20	18.35	18.34	18.46	0.0	18.90
	CP-OFDM	QPSK	1	1	23.28	23.28	23.37	0.0	23.70	18.39	18.55	18.62	0.0	18.90

NR Band 7 Measured Results (ANT3) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					501500	507000	512500	MPR	Tune-up Limit	501500	507000	512500	MPR	Tune-up Limit
					2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15	DFS-s OFDM	π/2 BPSK	1	1	23.37	23.37	23.37	0.0	23.70	18.48	18.31	18.47	0.0	18.90
			1	39	23.26	23.37	23.16	0.0	23.70	18.41	18.39	18.54	0.0	18.90
			1	77	23.37	23.31	23.23	0.0	23.70	18.59	18.23	18.39	0.0	18.90
			36	18	23.25	23.28	23.26	0.0	23.70	18.49	18.27	18.50	0.0	18.90
			75	0	23.26	23.28	23.37	0.0	23.70	18.50	18.31	18.49	0.0	18.90
		QPSK	1	1	23.19	23.37	23.36	0.0	23.70	18.37	18.37	18.62	0.0	18.90
			1	39	23.31	23.37	23.23	0.0	23.70	18.62	18.30	18.54	0.0	18.90
			1	77	23.26	23.36	23.37	0.0	23.70	18.53	18.23	18.45	0.0	18.90
			36	18	23.34	23.24	23.35	0.0	23.70	18.51	18.36	18.57	0.0	18.90
			75	0	23.31	23.34	23.27	0.0	23.70	18.53	18.35	18.58	0.0	18.90
		16QAM	1	1	23.23	23.34	23.30	0.0	23.70	18.44	18.60	18.57	0.0	18.90
		64QAM	1	1	22.23	22.51	22.61	0.5	23.20	18.62	18.59	18.56	0.0	18.90
		256QAM	1	1	20.54	20.31	20.16	2.5	21.20	18.31	18.41	18.35	0.0	18.90
	CP-OFDM	QPSK	1	1	23.28	23.37	23.30	0.0	23.70	18.35	18.42	18.50	0.0	18.90

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					501000	507000	513000	MPR	Tune-up Limit	501000	507000	513000	MPR	Tune-up Limit
					2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10	DFS-s OFDM	π/2 BPSK	1	1	23.37	23.18	23.32	0.0	23.70	18.60	18.61	18.26	0.0	18.90
			1	25	23.31	23.18	23.28	0.0	23.70	18.56	18.46	18.08	0.0	18.90
			1	50	23.23	23.19	22.96	0.0	23.70	18.46	18.60	18.52	0.0	18.90
			25	12	23.34	23.33	23.30	0.0	23.70	18.58	18.53	18.29	0.0	18.90
			50	0	23.30	23.29	23.31	0.0	23.70	18.60	18.46	18.28	0.0	18.90
		QPSK	1	1	23.33	23.24	23.28	0.0	23.70	18.39	18.52	18.57	0.0	18.90
			1	25	23.31	23.16	23.37	0.0	23.70	18.55	18.48	18.31	0.0	18.90
			1	50	23.21	23.21	23.30	0.0	23.70	18.62	18.57	18.41	0.0	18.90
			25	12	23.34	23.29	23.32	0.0	23.70	18.59	18.52	18.35	0.0	18.90
			50	0	23.26	23.28	23.34	0.0	23.70	18.56	18.53	18.34	0.0	18.90
		16QAM	1	1	23.34	23.28	23.23	0.0	23.70	18.47	18.47	18.46	0.0	18.90
		64QAM	1	1	22.31	22.01	22.25	0.5	23.20	18.32	18.35	18.42	0.0	18.90
		256QAM	1	1	20.26	20.34	20.15	2.5	21.20	18.40	18.42	18.58	0.0	18.90
	CP-OFDM	QPSK	1	1	23.18	23.35	23.22	0.0	23.70	18.58	18.50	18.51	0.0	18.90

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					500500	507000	513500	MPR	Tune-up Limit	500500	507000	513500	MPR	Tune-up Limit
					2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	23.29	23.28	23.33	0.0	23.70	18.31	18.36	18.53	0.0	18.90
			1	12	23.21	23.34	23.18	0.0	23.70	18.33	18.57	18.41	0.0	18.90
			1	23	23.37	23.34	23.35	0.0	23.70	18.46	18.47	18.50	0.0	18.90
			12	6	23.28	23.28	23.22	0.0	23.70	18.32	18.47	18.42	0.0	18.90
			25	0	23.31	23.23	23.18	0.0	23.70	18.35	18.46	18.40	0.0	18.90
		QPSK	1	1	23.32	23.26	23.36	0.0	23.70	18.42	18.51	18.42	0.0	18.90
			1	12	23.36	23.32	23.37	0.0	23.70	18.59	18.48	18.59	0.0	18.90
			1	23	23.36	23.35	23.33	0.0	23.70	18.53	18.61	18.58	0.0	18.90
			12	6	23.29	23.33	23.37	0.0	23.70	18.40	18.61	18.50	0.0	18.90
			25	0	23.27	23.33	23.27	0.0	23.70	18.42	18.44	18.51	0.0	18.90
		16QAM	1	1	23.21	23.29	23.28	0.0	23.70	18.58	18.60	18.39	0.0	18.90
		64QAM	1	1	21.98	22.25	22.14	0.5	23.20	18.28	18.57	18.31	0.0	18.90
		256QAM	1	1	20.11	20.31	20.54	2.5	21.20	18.46	18.60	18.53	0.0	18.90
	CP-OFDM	QPSK	1	1	23.23	23.34	23.30	0.0	23.70	18.48	18.57	18.52	0.0	18.90

NR Band 7 Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
40	DFS-s OFDM	π/2 BPSK	1	1	18.03	0.0	18.40		19.00	0.0	19.50	
			1	107	17.86	0.0	18.40		18.88	0.0	19.50	
			1	214	17.98	0.0	18.40		18.90	0.0	19.50	
			108	54	17.94	0.0	18.40		18.93	0.0	19.50	
			216	0	17.94	0.0	18.40		18.90	0.0	19.50	
		QPSK	1	1	18.06	0.0	18.40		18.87	0.0	19.50	
			1	107	18.11	0.0	18.40		19.00	0.0	19.50	
			1	214	17.95	0.0	18.40		18.91	0.0	19.50	
			108	54	17.91	0.0	18.40		19.05	0.0	19.50	
			216	0	17.91	0.0	18.40		18.93	0.0	19.50	
		16QAM	1	1	17.87	0.0	18.40		18.97	0.0	19.50	
		64QAM	1	1	17.86	0.0	18.40		18.11	0.8	18.70	
		256QAM	1	1	16.32	1.7	16.70		16.14	2.8	16.70	
	CP-OFDM	QPSK	1	1	18.02	0.0	18.40		18.86	0.0	19.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
30	DFS-s OFDM	π/2 BPSK	1	1	18.01	0.0	18.40		18.98	0.0	19.50	
			1	79	17.86	0.0	18.40		18.89	0.0	19.50	
			1	158	17.99	0.0	18.40		18.90	0.0	19.50	
			80	40	17.94	0.0	18.40		18.94	0.0	19.50	
			160	0	17.94	0.0	18.40		18.89	0.0	19.50	
		QPSK	1	1	18.05	0.0	18.40		18.86	0.0	19.50	
			1	107	18.00	0.0	18.40		19.00	0.0	19.50	
			1	214	17.93	0.0	18.40		18.90	0.0	19.50	
			108	54	17.91	0.0	18.40		18.96	0.0	19.50	
			214	0	17.91	0.0	18.40		18.94	0.0	19.50	
		16QAM	1	1	17.88	0.0	18.40		18.97	0.0	19.50	
		64QAM	1	1	17.86	0.0	18.40		18.11	0.8	18.70	
		256QAM	1	1	16.36	1.7	16.70		16.11	2.8	16.70	
	CP-OFDM	QPSK	1	1	18.02	0.0	18.40		18.85	0.0	19.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
25	DFS-s OFDM	π/2 BPSK	1	1	18.02	0.0	18.40		19.00	0.0	19.50	
			1	66	17.87	0.0	18.40		18.89	0.0	19.50	
			1	131	17.97	0.0	18.40		18.89	0.0	19.50	
			64	32	17.93	0.0	18.40		18.95	0.0	19.50	
			128	0	17.94	0.0	18.40		18.90	0.0	19.50	
		QPSK	1	1	17.87	0.0	18.40		18.88	0.0	19.50	
			1	66	18.02	0.0	18.40		19.00	0.0	19.50	
			1	131	17.94	0.0	18.40		18.93	0.0	19.50	
			64	32	17.91	0.0	18.40		18.96	0.0	19.50	
			128	0	17.92	0.0	18.40		18.93	0.0	19.50	
		16QAM	1	1	17.87	0.0	18.40		18.96	0.0	19.50	
		64QAM	1	1	17.86	0.0	18.40		18.11	0.8	18.70	
		256QAM	1	1	16.31	1.7	16.70		16.09	2.8	16.70	
	CP-OFDM	QPSK	1	1	18.00	0.0	18.40		18.63	0.0	19.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					502000	507000	512000	MPR	Tune-up Limit	502000	507000	512000	MPR	Tune-up Limit
					2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20	DFS-s OFDM	π/2 BPSK	1	1	17.97	17.98	17.97	0.0	18.40	18.88	18.92	18.90	0.0	19.50
			1	53	17.96	17.94	17.91	0.0	18.40	18.94	18.92	18.94	0.0	19.50
			1	104	17.82	17.86	17.91	0.0	18.40	18.88	18.90	18.93	0.0	19.50
			50	28	17.92	17.85	17.89	0.0	18.40	18.99	19.00	19.00	0.0	19.50
			100	0	17.84	17.95	17.88	0.0	18.40	18.90	18.90	18.91	0.0	19.50
		QPSK	1	1	17.94	17.92	17.95	0.0	18.40	18.85	18.86	18.86	0.0	19.50
			1	53	18.09	18.00	17.95	0.0	18.40	19.01	19.00	19.00	0.0	19.50
			1	104	17.91	17.81	17.89	0.0	18.40	18.97	18.97	18.95	0.0	19.50
			50	28	17.85	18.00	17.93	0.0	18.40	19.07	19.00	19.07	0.0	19.50
			100	0	17.90	18.00	17.90	0.0	18.40	18.98	18.98	19.00	0.0	19.50
		16QAM	1	1	17.93	17.88	17.94	0.0	18.40	18.98	18.99	18.97	0.0	19.50
		64QAM	1	1	17.88	17.84	17.87	0.0	18.40	18.97	19.00	18.99	0.0	19.50
		256QAM	1	1	17.68	17.82	17.76	0.2	18.20	17.55	17.55	17.57	1.3	18.20
	CP-OFDM	QPSK	1	1	17.88	17.91	17.89	0.0	18.40	18.85	18.90	18.87	0.0	19.50

NR Band 7 Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					501500	507000	512500	MPR	Tune-up Limit	501500	507000	512500	MPR	Tune-up Limit
					2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15	DFS-s OFDM	π/2 BPSK	1	1	17.96	17.96	17.97	0.0	18.40	18.86	18.91	18.87	0.0	19.50
			1	39	17.95	17.94	17.92	0.0	18.40	18.99	18.92	18.93	0.0	19.50
			1	77	17.87	17.89	17.93	0.0	18.40	18.98	18.91	18.95	0.0	19.50
			36	18	17.92	17.86	17.89	0.0	18.40	18.99	18.98	18.97	0.0	19.50
			75	0	17.86	17.95	17.86	0.0	18.40	18.89	18.90	18.87	0.0	19.50
		QPSK	1	1	17.94	17.90	17.91	0.0	18.40	19.02	19.02	18.88	0.0	19.50
			1	39	17.94	17.97	17.90	0.0	18.40	18.83	19.01	19.01	0.0	19.50
			1	77	17.89	17.87	17.89	0.0	18.40	18.97	18.98	18.93	0.0	19.50
			36	18	17.87	17.88	17.89	0.0	18.40	18.84	19.00	18.96	0.0	19.50
			75	0	17.90	17.86	17.90	0.0	18.40	19.02	18.98	19.01	0.0	19.50
		16QAM	1	1	17.92	17.88	17.92	0.0	18.40	18.99	18.96	18.98	0.0	19.50
		64QAM	1	1	17.86	17.87	17.88	0.0	18.40	18.95	18.99	18.99	0.0	19.50
		256QAM	1	1	17.69	17.79	17.76	0.2	18.20	17.56	17.58	17.53	1.3	18.20
	CP-OFDM	QPSK	1	1	17.87	17.89	17.87	0.0	18.40	19.00	18.86	18.84	0.0	19.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					501000	507000	513000	MPR	Tune-up Limit	501000	507000	513000	MPR	Tune-up Limit
					2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10	DFS-s OFDM	π/2 BPSK	1	1	17.96	18.01	17.89	0.0	18.40	18.84	18.00	17.91	0.0	19.50
			1	25	17.98	17.98	17.93	0.0	18.40	18.89	17.99	18.21	0.0	19.50
			1	50	17.72	17.84	17.91	0.0	18.40	18.87	17.81	18.03	0.0	19.50
			25	12	17.92	17.83	17.90	0.0	18.40	18.93	17.96	18.01	0.0	19.50
			50	0	17.84	18.01	17.95	0.0	18.40	18.90	18.00	18.03	0.0	19.50
		QPSK	1	1	17.77	17.91	17.85	0.0	18.40	18.88	17.87	17.92	0.0	19.50
			1	25	17.94	18.06	18.01	0.0	18.40	18.93	18.06	17.85	0.0	19.50
			1	50	17.89	17.69	17.78	0.0	18.40	18.92	17.95	17.91	0.0	19.50
			25	12	17.83	18.05	17.97	0.0	18.40	18.93	18.06	17.89	0.0	19.50
			50	0	17.89	18.03	17.98	0.0	18.40	18.88	17.93	17.84	0.0	19.50
		16QAM	1	1	17.89	17.78	17.87	0.0	18.40	18.87	18.36	17.87	0.0	19.50
		64QAM	1	1	17.88	17.78	17.92	0.0	18.40	18.83	18.07	18.07	0.0	19.50
		256QAM	1	1	17.36	17.83	17.72	0.2	18.20	17.68	17.68	17.71	1.3	18.20
	CP-OFDM	QPSK	1	1	17.85	17.84	17.94	0.0	18.40	18.98	17.86	17.86	0.0	19.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					500500	507000	513500	MPR	Tune-up Limit	500500	507000	513500	MPR	Tune-up Limit
					2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	17.89	17.89	17.90	0.0	18.40	18.85	18.99	18.90	0.0	19.50
			1	12	17.93	17.84	17.88	0.0	18.40	18.84	18.98	18.97	0.0	19.50
			1	23	17.87	17.83	17.95	0.0	18.40	18.85	18.85	18.93	0.0	19.50
			12	6	17.93	17.85	17.82	0.0	18.40	18.97	18.97	18.89	0.0	19.50
			25	0	17.77	17.79	17.88	0.0	18.40	18.86	18.95	18.84	0.0	19.50
		QPSK	1	1	17.86	17.93	17.86	0.0	18.40	19.01	18.98	18.99	0.0	19.50
			1	12	17.99	17.86	17.91	0.0	18.40	18.95	18.88	18.91	0.0	19.50
			1	23	17.94	17.96	17.83	0.0	18.40	18.83	18.84	18.92	0.0	19.50
			12	6	17.90	17.88	17.81	0.0	18.40	18.97	19.02	19.02	0.0	19.50
			25	0	17.90	17.87	17.90	0.0	18.40	18.98	18.93	18.91	0.0	19.50
		16QAM	1	1	17.89	17.95	17.92	0.0	18.40	18.92	19.01	18.98	0.0	19.50
		64QAM	1	1	17.95	17.85	18.06	0.0	18.40	19.01	18.85	18.96	0.0	19.50
		256QAM	1	1	17.72	17.73	17.70	0.2	18.20	17.57	17.58	17.60	1.3	18.20
	CP-OFDM	QPSK	1	1	17.94	17.96	17.84	0.0	18.40	19.02	18.98	19.01	0.0	19.50

NR Band 12 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)				
					141500	MPR	Tune-up Limit	141500	MPR	Tune-up Limit		
					707.5 MHz			707.5 MHz				
15	DFS-s OFDM	PI/2 BPSK	1	1	25.08	0.0	25.70	25.08	0.0	25.70		
			1	40	24.88	0.0	25.70	24.88	0.0	25.70		
			1	77	25.10	0.0	25.70	25.10	0.0	25.70		
			36	18	24.87	0.0	25.70	24.87	0.0	25.70		
			75	0	24.51	0.5	25.20	24.51	0.5	25.20		
		QPSK	1	1	25.13	0.0	25.70	25.13	0.0	25.70		
			1	40	25.13	0.0	25.70	25.13	0.0	25.70		
			1	77	25.12	0.0	25.70	25.12	0.0	25.70		
			36	18	25.00	0.0	25.70	25.00	0.0	25.70		
			75	0	24.00	1.0	24.70	24.00	1.0	24.70		
		16QAM	1	1	24.10	1.0	24.70	24.10	1.0	24.70		
		64QAM	1	1	22.59	2.5	23.20	22.59	2.5	23.20		
		256QAM	1	1	20.61	4.5	21.20	20.61	4.5	21.20		
	CP-OFDM	QPSK	1	1	23.61	1.5	24.20	23.61	1.5	24.20		

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)				
					141500	MPR	Tune-up Limit	141500	MPR	Tune-up Limit		
					707.5 MHz			707.5 MHz				
10	DFS-s OFDM	PI/2 BPSK	1	1	25.01	0.0	25.70	25.01	0.0	25.70		
			1	25	24.88	0.0	25.70	24.88	0.0	25.70		
			1	50	25.13	0.0	25.70	25.13	0.0	25.70		
			25	12	24.87	0.0	25.70	24.87	0.0	25.70		
			50	0	24.42	0.5	25.20	24.42	0.5	25.20		
		QPSK	1	1	24.98	0.0	25.70	24.98	0.0	25.70		
			1	25	24.98	0.0	25.70	24.98	0.0	25.70		
			1	50	24.82	0.0	25.70	24.82	0.0	25.70		
			25	12	24.89	0.0	25.70	24.89	0.0	25.70		
			50	0	24.08	1.0	24.70	24.08	1.0	24.70		
		16QAM	1	1	24.05	1.0	24.70	24.05	1.0	24.70		
		64QAM	1	1	22.49	2.5	23.20	22.49	2.5	23.20		
		256QAM	1	1	20.57	4.5	21.20	20.57	4.5	21.20		
	CP-OFDM	QPSK	1	1	23.56	1.5	24.20	23.56	1.5	24.20		

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					140300	141500	142700	MPR	Tune-up Limit	140300	141500	142700	MPR	Tune-up Limit
					701.5 MHz	707.5 MHz	713.5 MHz			701.5 MHz	707.5 MHz	713.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	25.12	25.11	24.97	0.0	25.70	25.12	25.11	24.97	0.0	25.70
			1	12	24.95	24.98	25.01	0.0	25.70	24.95	24.98	25.01	0.0	25.70
			1	23	25.03	24.98	24.80	0.0	25.70	25.03	24.98	24.80	0.0	25.70
			12	6	24.94	24.82	24.80	0.0	25.70	24.94	24.82	24.80	0.0	25.70
			25	0	24.46	24.27	24.20	0.5	25.20	24.46	24.27	24.20	0.5	25.20
		QPSK	1	1	25.13	25.02	25.06	0.0	25.70	25.13	25.02	25.06	0.0	25.70
			1	12	25.00	24.92	24.83	0.0	25.70	25.00	24.92	24.83	0.0	25.70
			1	23	25.00	24.84	24.57	0.0	25.70	25.00	24.84	24.57	0.0	25.70
			12	6	24.96	24.84	24.82	0.0	25.70	24.96	24.84	24.82	0.0	25.70
			25	0	23.90	23.79	23.85	1.0	24.70	23.90	23.79	23.85	1.0	24.70
		16QAM	1	1	24.01	24.06	24.00	1.0	24.70	24.01	24.06	24.00	1.0	24.70
		64QAM	1	1	22.57	22.48	22.54	2.5	23.20	22.57	22.48	22.54	2.5	23.20
		256QAM	1	1	20.54	20.55	20.52	4.5	21.20	20.54	20.55	20.52	4.5	21.20
	CP-OFDM	QPSK	1	1	23.52	23.56	23.59	1.5	24.20	23.52	23.56	23.59	1.5	24.20

NR Band 12 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)				
					[redacted]	141500 707.5 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	141500 707.5 MHz	[redacted]	MPR	Tune-up Limit
15	DFS-s OFDM	PI/2 BPSK	1	1		24.15		0.0	24.70		24.15		0.0	24.70
			1	40		24.23		0.0	24.70		24.23		0.0	24.70
			1	77		24.12		0.0	24.70		24.12		0.0	24.70
			36	18		24.13		0.0	24.70		24.13		0.0	24.70
			75	0		23.77		0.5	24.20		23.77		0.5	24.20
		QPSK	1	1		24.10		0.0	24.70		24.10		0.0	24.70
			1	40		24.25		0.0	24.70		24.25		0.0	24.70
			1	77		24.15		0.0	24.70		24.15		0.0	24.70
			36	18		24.22		0.0	24.70		24.22		0.0	24.70
			75	0		23.04		1.0	23.70		23.04		1.0	23.70
		16QAM	1	1		23.04		1.0	23.70		23.04		1.0	23.70
		64QAM	1	1		21.82		2.5	22.20		21.82		2.5	22.20
		256QAM	1	1		19.74		4.5	20.20		19.74		4.5	20.20
	CP-OFDM	QPSK	1	1		22.44		1.5	23.20		22.44		1.5	23.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)				
					[redacted]	141500 707.5 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	141500 707.5 MHz	[redacted]	MPR	Tune-up Limit
10	DFS-s OFDM	PI/2 BPSK	1	1		24.10		0.0	24.70		24.10		0.0	24.70
			1	25		24.16		0.0	24.70		24.16		0.0	24.70
			1	50		23.86		0.0	24.70		23.86		0.0	24.70
			25	12		24.04		0.0	24.70		24.04		0.0	24.70
			50	0		23.82		0.5	24.20		23.82		0.5	24.20
		QPSK	1	1		24.21		0.0	24.70		24.21		0.0	24.70
			1	25		24.23		0.0	24.70		24.23		0.0	24.70
			1	50		24.11		0.0	24.70		24.11		0.0	24.70
			25	12		24.10		0.0	24.70		24.10		0.0	24.70
			50	0		22.94		1.0	23.70		22.94		1.0	23.70
		16QAM	1	1		23.04		1.0	23.70		23.04		1.0	23.70
		64QAM	1	1		21.75		2.5	22.20		21.75		2.5	22.20
		256QAM	1	1		19.82		4.5	20.20		19.82		4.5	20.20
	CP-OFDM	QPSK	1	1		22.26		1.5	23.20		22.26		1.5	23.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					140300 701.5 MHz	141500 707.5 MHz	142700 713.5 MHz	MPR	Tune-up Limit	140300 701.5 MHz	141500 707.5 MHz	142700 713.5 MHz	MPR	Tune-up Limit
5	DFS-s OFDM	PI/2 BPSK	1	1	24.22	24.03	24.09	0.0	24.70	24.22	24.03	24.09	0.0	24.70
			1	12	24.18	24.13	24.05	0.0	24.70	24.18	24.13	24.05	0.0	24.70
			1	23	24.10	24.01	24.00	0.0	24.70	24.10	24.01	24.00	0.0	24.70
			12	6	24.17	24.06	24.17	0.0	24.70	24.17	24.06	24.17	0.0	24.70
			25	0	23.63	23.46	23.61	0.5	24.20	23.63	23.46	23.61	0.5	24.20
		QPSK	1	1	24.29	24.07	24.17	0.0	24.70	24.29	24.07	24.17	0.0	24.70
			1	12	24.22	24.17	24.20	0.0	24.70	24.22	24.17	24.20	0.0	24.70
			1	23	24.20	24.02	24.00	0.0	24.70	24.20	24.02	24.00	0.0	24.70
			12	6	24.18	23.93	24.11	0.0	24.70	24.18	23.93	24.11	0.0	24.70
			25	0	23.12	23.02	23.12	1.0	23.70	23.12	23.02	23.12	1.0	23.70
		16QAM	1	1	23.30	23.24	23.25	1.0	23.70	23.30	23.24	23.25	1.0	23.70
		64QAM	1	1	21.71	21.78	21.81	2.5	22.20	21.71	21.78	21.81	2.5	22.20
		256QAM	1	1	19.77	19.74	19.80	4.5	20.20	19.77	19.74	19.80	4.5	20.20
	CP-OFDM	QPSK	1	1	22.75	22.65	22.61	1.5	23.20	22.75	22.65	22.61	1.5	23.20

NR Band 25 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					376500	MPR	Tune-up Limit		376500	MPR	Tune-up Limit	
					1882.5 MHz				1882.5 MHz			
40	DFS-s OFDM	PI/2 BPSK	1	1	22.54	0.0	23.70		16.75	0.0	17.30	
			1	107	22.43	0.0	23.70		16.26	0.0	17.30	
			1	214	22.93	0.0	23.70		16.64	0.0	17.30	
			108	54	22.63	0.0	23.70		16.54	0.0	17.30	
			216	0	22.62	0.5	23.20		16.59	0.0	17.30	
		QPSK	1	1	22.98	0.0	23.70		16.72	0.0	17.30	
			1	107	23.28	0.0	23.70		16.72	0.0	17.30	
			1	214	22.82	0.0	23.70		16.80	0.0	17.30	
			108	54	23.26	0.0	23.70		16.88	0.0	17.30	
			216	0	22.62	1.0	22.70		16.56	0.0	17.30	
		16QAM	1	1	22.26	1.0	22.70		16.88	0.0	17.30	
		64QAM	1	1	20.70	2.5	21.20		16.88	0.0	17.30	
		256QAM	1	1	18.66	4.5	19.20		16.84	0.0	17.30	
	CP-OFDM	QPSK	1	1	21.75	1.5	22.20		16.88	0.0	17.30	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					376500	MPR	Tune-up Limit		376500	MPR	Tune-up Limit	
					1882.5 MHz				1882.5 MHz			
30	DFS-s OFDM	PI/2 BPSK	1	1	23.26	0.0	23.70		16.87	0.0	17.30	
			1	79	23.28	0.0	23.70		16.87	0.0	17.30	
			1	158	23.27	0.0	23.70		16.80	0.0	17.30	
			80	40	23.19	0.0	23.70		16.81	0.0	17.30	
			160	0	22.76	0.5	23.20		16.77	0.0	17.30	
		QPSK	1	1	23.28	0.0	23.70		16.88	0.0	17.30	
			1	79	23.28	0.0	23.70		16.82	0.0	17.30	
			1	158	23.28	0.0	23.70		16.88	0.0	17.30	
			80	40	23.14	0.0	23.70		16.81	0.0	17.30	
			160	0	22.20	1.0	22.70		16.79	0.0	17.30	
		16QAM	1	1	22.24	1.0	22.70		16.80	0.0	17.30	
		64QAM	1	1	20.75	2.5	21.20		16.83	0.0	17.30	
		256QAM	1	1	18.72	4.5	19.20		16.82	0.0	17.30	
	CP-OFDM	QPSK	1	1	21.73	1.5	22.20		16.81	0.0	17.30	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					376500	MPR	Tune-up Limit		376500	MPR	Tune-up Limit	
					1882.5 MHz				1882.5 MHz			
25	DFS-s OFDM	PI/2 BPSK	1	1	23.02	0.0	23.70		16.88	0.0	17.30	
			1	66	22.92	0.0	23.70		16.78	0.0	17.30	
			1	131	22.41	0.0	23.70		16.88	0.0	17.30	
			64	32	22.84	0.0	23.70		16.80	0.0	17.30	
			128	0	22.78	0.5	23.20		16.80	0.0	17.30	
		QPSK	1	1	22.77	0.0	23.70		16.88	0.0	17.30	
			1	66	22.87	0.0	23.70		16.86	0.0	17.30	
			1	131	23.27	0.0	23.70		16.87	0.0	17.30	
			64	32	22.93	0.0	23.70		16.82	0.0	17.30	
			128	0	21.95	1.0	22.70		16.88	0.0	17.30	
		16QAM	1	1	22.21	1.0	22.70		16.86	0.0	17.30	
		64QAM	1	1	20.70	2.5	21.20		16.85	0.0	17.30	
		256QAM	1	1	18.74	4.5	19.20		16.84	0.0	17.30	
	CP-OFDM	QPSK	1	1	21.77	1.5	22.20		16.84	0.0	17.30	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					372000	376500	381000	MPR	Tune-up Limit	372000	376500	381000	MPR	Tune-up Limit
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	23.43	23.75	23.76	0.0	24.20	16.81	16.78	16.88	0.0	17.30
			1	53	23.75	23.67	23.71	0.0	24.20	16.65	16.80	16.81	0.0	17.30
			1	104	23.07	23.78	23.77	0.0	24.20	16.78	16.69	16.86	0.0	17.30
			50	28	23.34	23.52	23.76	0.0	24.20	16.65	16.41	16.80	0.0	17.30
			100	0	23.39	23.71	23.78	0.0	24.20	16.69	16.61	16.74	0.0	17.30
		QPSK	1	1	23.46	23.58	23.59	0.0	24.20	16.66	16.80	16.78	0.0	17.30
			1	53	23.63	23.78	23.49	0.0	24.20	16.76	16.65	16.88	0.0	17.30
			1	104	23.58	23.62	23.78	0.0	24.20	16.78	16.56	16.58	0.0	17.30
			50	28	23.74	23.78	23.74	0.0	24.20	16.88	16.88	16.76	0.0	17.30
			100	0	23.25	23.00	23.17	0.0	24.20	16.59	16.67	16.72	0.0	17.30
		16QAM	1	1	23.27	23.30	23.25	0.0	24.20	16.83	16.88	16.86	0.0	17.30
		64QAM	1	1	22.74	22.77	22.35	1.0	23.20	16.81	16.83	16.85	0.0	17.30
		256QAM	1	1	20.77	20.33	20.77	3.0	21.20	16.87	16.85	16.84	0.0	17.30
	CP-OFDM	QPSK	1	1	23.29	23.31	23.31	0.0	24.20	16.86	16.86	16.86	0.0	17.30

NR Band 25 Measured Results (ANT1) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15	DFS-s OFDM	PI/2 BPSK	1	1	23.75	23.71	23.74	0.0	24.20	16.63	16.76	16.87	0.0	17.30
			1	40	23.49	23.75	23.67	0.0	24.20	16.72	16.64	16.71	0.0	17.30
			1	77	23.71	23.69	23.69	0.0	24.20	16.61	16.75	16.69	0.0	17.30
			36	18	23.45	23.56	23.78	0.0	24.20	16.56	16.66	16.68	0.0	17.30
			75	0	23.63	23.65	23.78	0.0	24.20	16.62	16.61	16.69	0.0	17.30
		QPSK	1	1	23.47	23.72	23.72	0.0	24.20	16.88	16.68	16.88	0.0	17.30
			1	40	23.58	23.66	23.66	0.0	24.20	16.69	16.63	16.85	0.0	17.30
			1	77	23.73	23.74	23.75	0.0	24.20	16.56	16.70	16.88	0.0	17.30
			36	18	23.53	23.58	23.77	0.0	24.20	16.68	16.62	16.79	0.0	17.30
			75	0	23.09	23.27	23.20	0.0	24.20	16.58	16.68	16.72	0.0	17.30
		16QAM	1	1	23.24	23.30	23.26	0.0	24.20	16.86	16.88	16.84	0.0	17.30
		64QAM	1	1	21.75	22.76	22.77	1.0	23.20	16.82	16.88	16.80	0.0	17.30
		256QAM	1	1	20.78	20.69	20.77	3.0	21.20	16.79	16.83	16.85	0.0	17.30
	CP-OFDM	QPSK	1	1	23.72	23.71	23.74	0.0	24.20	16.87	16.80	16.81	0.0	17.30
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	23.67	23.54	23.74	0.0	24.20	16.60	16.88	16.77	0.0	17.30
			1	25	23.59	23.34	23.71	0.0	24.20	16.69	16.88	16.49	0.0	17.30
			1	50	23.43	23.54	23.77	0.0	24.20	16.60	16.47	16.69	0.0	17.30
			25	12	23.47	23.50	23.69	0.0	24.20	16.56	16.62	16.66	0.0	17.30
			50	0	23.55	23.60	23.78	0.0	24.20	16.63	16.72	16.67	0.0	17.30
		QPSK	1	1	23.50	23.52	23.66	0.0	24.20	16.49	16.48	16.84	0.0	17.30
			1	25	23.51	23.66	23.73	0.0	24.20	16.72	16.67	16.70	0.0	17.30
			1	50	23.49	23.69	23.78	0.0	24.20	16.62	16.61	16.81	0.0	17.30
			25	12	23.45	23.63	23.59	0.0	24.20	16.41	16.60	16.76	0.0	17.30
			50	0	23.12	22.81	22.90	0.0	24.20	16.57	16.61	16.78	0.0	17.30
		16QAM	1	1	23.28	23.34	23.30	0.0	24.20	16.83	16.85	16.88	0.0	17.30
		64QAM	1	1	22.74	22.70	22.71	1.0	23.20	16.80	16.80	16.82	0.0	17.30
		256QAM	1	1	20.71	20.73	20.74	3.0	21.20	16.87	16.80	16.86	0.0	17.30
	CP-OFDM	QPSK	1	1	23.74	23.74	23.72	0.0	24.20	16.81	16.84	16.83	0.0	17.30
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	23.34	23.62	23.75	0.0	24.20	16.55	16.72	16.66	0.0	17.30
			1	12	23.40	23.72	23.65	0.0	24.20	16.54	16.71	16.85	0.0	17.30
			1	23	23.32	23.62	23.63	0.0	24.20	16.58	16.67	16.67	0.0	17.30
			12	6	23.41	23.76	23.70	0.0	24.20	16.55	16.79	16.70	0.0	17.30
			25	0	23.73	23.71	23.78	0.0	24.20	16.54	16.59	16.62	0.0	17.30
		QPSK	1	1	23.58	23.69	23.78	0.0	24.20	16.56	16.88	16.88	0.0	17.30
			1	12	23.72	23.78	23.64	0.0	24.20	16.48	16.78	16.50	0.0	17.30
			1	23	23.63	23.68	23.65	0.0	24.20	16.53	16.67	16.56	0.0	17.30
			12	6	23.65	23.63	23.62	0.0	24.20	16.55	16.69	16.79	0.0	17.30
			25	0	23.09	23.42	23.46	0.0	24.20	16.51	16.63	16.75	0.0	17.30
		16QAM	1	1	23.70	23.72	23.70	0.0	24.20	16.86	16.82	16.87	0.0	17.30
		64QAM	1	1	22.74	22.72	22.77	1.0	23.20	16.87	16.84	16.84	0.0	17.30
		256QAM	1	1	20.69	20.69	20.71	3.0	21.20	16.83	16.82	16.86	0.0	17.30
	CP-OFDM	QPSK	1	1	23.73	23.72	23.78	0.0	24.20	16.79	16.83	16.86	0.0	17.30

NR Band 25 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					376500	MPR	Tune-up Limit		376500	MPR	Tune-up Limit	
					1882.5 MHz				1882.5 MHz			
40	DFS-s OFDM	PI/2 BPSK	1	1	18.88	0.0	19.50		18.87	0.0	19.20	
			1	107	18.97	0.0	19.50		18.53	0.0	19.20	
			1	214	19.14	0.0	19.50		18.89	0.0	19.20	
			108	54	18.83	0.0	19.50		18.78	0.0	19.20	
			216	0	18.88	0.0	19.50		18.74	0.0	19.20	
		QPSK	1	1	19.14	0.0	19.50		18.88	0.0	19.20	
			1	107	19.14	0.0	19.50		18.89	0.0	19.20	
			1	214	19.13	0.0	19.50		18.91	0.0	19.20	
			108	54	18.86	0.0	19.50		18.93	0.0	19.20	
			216	0	19.19	0.0	19.50		18.78	0.0	19.20	
		16QAM	1	1	19.07	0.0	19.50		18.89	0.0	19.20	
		64QAM	1	1	18.82	0.3	19.20		18.90	0.0	19.20	
		256QAM	1	1	16.82	2.3	17.20		16.90	2.0	17.20	
	CP-OFDM	QPSK	1	1	19.12	0.0	19.50		18.83	0.0	19.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					376500	MPR	Tune-up Limit		376500	MPR	Tune-up Limit	
					1882.5 MHz				1882.5 MHz			
30	DFS-s OFDM	PI/2 BPSK	1	1	19.12	0.0	19.50		18.90	0.0	19.20	
			1	79	19.05	0.0	19.50		18.83	0.0	19.20	
			1	158	19.14	0.0	19.50		18.80	0.0	19.20	
			80	40	18.96	0.0	19.50		18.74	0.0	19.20	
			160	0	19.05	0.0	19.50		18.83	0.0	19.20	
		QPSK	1	1	19.14	0.0	19.50		18.64	0.0	19.20	
			1	79	19.09	0.0	19.50		18.63	0.0	19.20	
			1	158	19.11	0.0	19.50		18.69	0.0	19.20	
			80	40	18.99	0.0	19.50		18.77	0.0	19.20	
			160	0	19.00	0.0	19.50		18.78	0.0	19.20	
		16QAM	1	1	18.88	0.0	19.50		18.59	0.0	19.20	
		64QAM	1	1	18.80	0.3	19.20		18.88	0.0	19.20	
		256QAM	1	1	16.74	2.3	17.20		16.82	2.0	17.20	
	CP-OFDM	QPSK	1	1	18.94	0.0	19.50		18.75	0.0	19.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					376500	MPR	Tune-up Limit		376500	MPR	Tune-up Limit	
					1882.5 MHz				1882.5 MHz			
25	DFS-s OFDM	PI/2 BPSK	1	1	19.13	0.0	19.50		18.92	0.0	19.20	
			1	66	18.80	0.0	19.50		18.56	0.0	19.20	
			1	131	19.02	0.0	19.50		18.91	0.0	19.20	
			64	32	18.78	0.0	19.50		18.62	0.0	19.20	
			128	0	18.82	0.0	19.50		18.69	0.0	19.20	
		QPSK	1	1	18.84	0.0	19.50		18.78	0.0	19.20	
			1	66	18.79	0.0	19.50		18.75	0.0	19.20	
			1	131	18.87	0.0	19.50		18.77	0.0	19.20	
			64	32	18.81	0.0	19.50		18.66	0.0	19.20	
			128	0	18.84	0.0	19.50		18.73	0.0	19.20	
		16QAM	1	1	18.76	0.0	19.50		18.72	0.0	19.20	
		64QAM	1	1	18.82	0.3	19.20		18.90	0.0	19.20	
		256QAM	1	1	16.73	2.3	17.20		16.71	2.0	17.20	
	CP-OFDM	QPSK	1	1	18.97	0.0	19.50		18.72	0.0	19.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					372000	376500	381000	MPR	Tune-up Limit	372000	376500	381000	MPR	Tune-up Limit
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	18.75	18.82	18.86	0.0	19.50	18.54	18.59	18.60	0.0	19.20
			1	53	18.64	18.77	18.69	0.0	19.50	18.65	18.73	18.44	0.0	19.20
			1	104	18.66	18.73	18.83	0.0	19.50	18.53	18.66	18.51	0.0	19.20
			50	28	18.64	18.73	18.70	0.0	19.50	18.51	18.54	18.53	0.0	19.20
			100	0	18.66	18.72	18.73	0.0	19.50	18.42	18.50	18.56	0.0	19.20
		QPSK	1	1	18.83	18.93	18.89	0.0	19.50	18.48	18.62	18.69	0.0	19.20
			1	53	18.87	18.82	18.88	0.0	19.50	18.58	18.63	18.53	0.0	19.20
			1	104	18.78	18.92	18.77	0.0	19.50	18.42	18.58	18.49	0.0	19.20
			50	28	18.70	18.74	18.77	0.0	19.50	18.92	18.92	18.50	0.0	19.20
			100	0	18.99	19.19	18.89	0.0	19.50	18.43	18.48	18.50	0.0	19.20
		16QAM	1	1	19.13	18.68	18.69	0.0	19.50	18.83	18.44	18.46	0.0	19.20
		64QAM	1	1	19.03	19.08	19.07	0.0	19.50	18.49	18.84	18.92	0.0	19.20
		256QAM	1	1	18.17	18.30	18.15	0.8	18.70	18.25	18.38	18.23	0.5	18.70
	CP-OFDM	QPSK	1	1	18.72	18.84	18.36	0.0	19.50	18.66	18.68	18.66	0.0	19.20

NR Band 25 Measured Results (ANT2) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15	DFS-s OFDM	PI/2 BPSK	1	1	18.71	18.70	18.95	0.0	19.50	18.58	18.65	18.51	0.0	19.20
			1	39	18.70	18.82	18.72	0.0	19.50	18.47	18.63	18.60	0.0	19.20
			1	77	18.86	18.95	18.91	0.0	19.50	18.67	18.61	18.55	0.0	19.20
			36	18	18.67	18.76	18.64	0.0	19.50	18.42	18.58	18.41	0.0	19.20
			75	0	18.56	18.79	18.64	0.0	19.50	18.39	18.56	18.43	0.0	19.20
		QPSK	1	1	18.73	18.89	18.76	0.0	19.50	18.46	18.84	18.63	0.0	19.20
			1	39	18.64	18.78	18.76	0.0	19.50	18.46	18.84	18.57	0.0	19.20
			1	77	18.79	18.84	18.79	0.0	19.50	18.52	18.59	18.67	0.0	19.20
			36	18	18.64	18.79	18.70	0.0	19.50	18.47	18.56	18.49	0.0	19.20
			75	0	18.64	18.86	18.70	0.0	19.50	18.41	18.58	18.52	0.0	19.20
		16QAM	1	1	18.84	18.66	19.12	0.0	19.50	18.65	18.43	18.78	0.0	19.20
		64QAM	1	1	18.88	18.88	18.87	0.0	19.50	18.81	18.86	18.75	0.0	19.20
		256QAM	1	1	17.83	18.30	18.32	0.8	18.70	17.91	18.38	18.40	0.5	18.70
	CP-OFDM	QPSK	1	1	18.79	18.78	18.57	0.0	19.50	18.35	18.49	18.63	0.0	19.20
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	18.87	18.83	19.14	0.0	19.50	18.80	18.63	18.92	0.0	19.20
			1	25	18.79	18.75	19.03	0.0	19.50	18.52	18.51	18.63	0.0	19.20
			1	50	18.85	18.94	19.08	0.0	19.50	18.54	18.57	18.82	0.0	19.20
			25	12	18.74	18.74	18.98	0.0	19.50	18.51	18.57	18.81	0.0	19.20
			50	0	18.75	18.74	19.00	0.0	19.50	18.55	18.52	18.81	0.0	19.20
		QPSK	1	1	18.74	18.88	19.13	0.0	19.50	18.77	18.61	18.92	0.0	19.20
			1	25	18.98	18.93	19.12	0.0	19.50	18.59	18.63	18.85	0.0	19.20
			1	50	18.73	18.84	19.14	0.0	19.50	18.74	18.55	18.92	0.0	19.20
			25	12	18.66	18.80	19.01	0.0	19.50	18.49	18.58	18.74	0.0	19.20
			50	0	18.71	18.75	18.99	0.0	19.50	18.51	18.56	18.82	0.0	19.20
		16QAM	1	1	18.55	18.56	18.76	0.0	19.50	18.23	18.32	18.54	0.0	19.20
		64QAM	1	1	19.07	18.86	18.74	0.0	19.50	18.74	18.57	18.44	0.0	19.20
		256QAM	1	1	17.89	18.25	18.32	0.8	18.70	18.32	18.33	18.40	0.5	18.70
	CP-OFDM	QPSK	1	1	18.53	18.67	18.79	0.0	19.50	18.62	18.47	18.45	0.0	19.20
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	18.86	19.06	18.93	0.0	19.50	18.47	18.91	18.72	0.0	19.20
			1	12	18.82	19.14	19.04	0.0	19.50	18.46	18.92	18.67	0.0	19.20
			1	23	18.70	19.07	19.11	0.0	19.50	18.54	18.88	18.83	0.0	19.20
			12	6	18.78	19.12	19.00	0.0	19.50	18.58	18.91	18.76	0.0	19.20
			25	0	18.71	19.04	19.01	0.0	19.50	18.47	18.83	18.82	0.0	19.20
		QPSK	1	1	18.90	19.10	19.14	0.0	19.50	18.68	18.92	18.90	0.0	19.20
			1	12	19.06	19.08	18.94	0.0	19.50	18.71	18.82	18.91	0.0	19.20
			1	23	18.99	19.11	19.08	0.0	19.50	18.56	18.89	18.82	0.0	19.20
			12	6	18.75	19.03	18.98	0.0	19.50	18.53	18.83	18.91	0.0	19.20
			25	0	18.74	19.06	19.00	0.0	19.50	18.51	18.87	18.85	0.0	19.20
		16QAM	1	1	18.61	18.58	18.57	0.0	19.50	18.36	18.27	18.29	0.0	19.20
		64QAM	1	1	18.57	18.81	18.80	0.0	19.50	18.38	18.58	18.47	0.0	19.20
		256QAM	1	1	18.17	18.33	18.20	0.8	18.70	18.25	18.41	18.28	0.5	18.70
	CP-OFDM	QPSK	1	1	18.43	18.68	18.43	0.0	19.50	18.27	18.50	18.28	0.0	19.20

NR Band 25 Measured Results (ANT3)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					376500	MPR	Tune-up Limit		376500	MPR	Tune-up Limit	
					1882.5 MHz				1882.5 MHz			
40	DFS-s OFDM	PI/2 BPSK	1	1	22.38	0.0	23.20		20.13	0.0	20.50	
			1	107	22.50	0.0	23.20		20.14	0.0	20.50	
			1	214	22.60	0.0	23.20		20.15	0.0	20.50	
			108	54	22.44	0.0	23.20		20.17	0.0	20.50	
			216	0	22.07	0.5	22.70		20.19	0.0	20.50	
		QPSK	1	1	22.27	0.0	23.20		20.07	0.0	20.50	
			1	107	22.66	0.0	23.20		20.11	0.0	20.50	
			1	214	22.61	0.0	23.20		20.23	0.0	20.50	
			108	54	22.44	0.0	23.20		20.31	0.0	20.50	
			216	0	21.60	1.0	22.20		20.31	0.0	20.50	
		16QAM	1	1	21.42	1.0	22.20		20.07	0.0	20.50	
		64QAM	1	1	19.55	2.5	20.70		19.90	0.0	20.50	
		256QAM	1	1	17.75	4.5	18.70		18.34	1.8	18.70	
	CP-OFDM	QPSK	1	1	20.87	1.5	21.70		20.03	0.0	20.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					376500	MPR	Tune-up Limit		376500	MPR	Tune-up Limit	
					1882.5 MHz				1882.5 MHz			
30	DFS-s OFDM	PI/2 BPSK	1	1	22.51	0.0	23.20		20.19	0.0	20.50	
			1	79	22.50	0.0	23.20		20.15	0.0	20.50	
			1	158	22.49	0.0	23.20		20.06	0.0	20.50	
			80	40	22.23	0.0	23.20		20.12	0.0	20.50	
			160	0	22.02	0.5	22.70		20.22	0.0	20.50	
		QPSK	1	1	22.48	0.0	23.20		20.19	0.0	20.50	
			1	79	22.38	0.0	23.20		20.11	0.0	20.50	
			1	158	22.46	0.0	23.20		20.24	0.0	20.50	
			80	40	22.24	0.0	23.20		20.20	0.0	20.50	
			160	0	21.53	1.0	22.20		20.22	0.0	20.50	
		16QAM	1	1	21.28	1.0	22.20		20.17	0.0	20.50	
		64QAM	1	1	19.82	2.5	20.70		20.12	0.0	20.50	
		256QAM	1	1	18.06	4.5	18.70		18.36	1.8	18.70	
	CP-OFDM	QPSK	1	1	20.88	1.5	21.70		20.12	0.0	20.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					376500	MPR	Tune-up Limit		376500	MPR	Tune-up Limit	
					1882.5 MHz				1882.5 MHz			
25	DFS-s OFDM	PI/2 BPSK	1	1	22.39	0.0	23.20		20.11	0.0	20.50	
			1	66	22.48	0.0	23.20		20.05	0.0	20.50	
			1	131	22.55	0.0	23.20		20.17	0.0	20.50	
			64	32	22.41	0.0	23.20		20.15	0.0	20.50	
			128	0	22.06	0.5	22.70		20.22	0.0	20.50	
		QPSK	1	1	22.48	0.0	23.20		20.12	0.0	20.50	
			1	66	22.60	0.0	23.20		20.11	0.0	20.50	
			1	131	22.39	0.0	23.20		20.15	0.0	20.50	
			64	32	22.53	0.0	23.20		20.17	0.0	20.50	
			128	0	21.61	1.0	22.20		20.20	0.0	20.50	
		16QAM	1	1	21.26	1.0	22.20		20.16	0.0	20.50	
		64QAM	1	1	19.74	2.5	20.70		20.17	0.0	20.50	
		256QAM	1	1	17.87	4.5	18.70		18.45	1.8	18.70	
	CP-OFDM	QPSK	1	1	20.96	1.5	21.70		20.14	0.0	20.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					372000	376500	381000	MPR	Tune-up Limit	372000	376500	381000	MPR	Tune-up Limit
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	23.55	23.63	23.60	0.0	24.40	20.18	20.19	20.24	0.0	20.50
			1	53	23.79	23.73	23.77	0.0	24.40	20.16	20.19	20.17	0.0	20.50
			1	104	23.79	23.63	23.65	0.0	24.40	20.17	20.17	20.00	0.0	20.50
			50	28	23.66	23.56	23.80	0.0	24.40	20.14	20.25	20.25	0.0	20.50
			100	0	23.47	23.49	23.46	0.0	24.40	20.09	20.17	20.21	0.0	20.50
		QPSK	1	1	23.73	23.75	23.78	0.0	24.40	20.18	20.22	20.22	0.0	20.50
			1	53	23.78	23.75	23.81	0.0	24.40	20.18	20.21	20.16	0.0	20.50
			1	104	23.72	23.69	23.68	0.0	24.40	20.24	20.14	20.19	0.0	20.50
			50	28	23.75	23.78	23.66	0.0	24.40	20.13	20.23	20.40	0.0	20.50
			100	0	22.80	22.99	22.99	0.2	24.20	20.09	20.40	20.19	0.0	20.50
		16QAM	1	1	23.56	23.25	22.97	0.2	24.20	20.11	20.19	20.09	0.0	20.50
		64QAM	1	1	21.73	21.66	21.82	1.7	22.70	19.93	20.10	20.24	0.0	20.50
		256QAM	1	1	19.56	19.86	19.77	3.7	20.70	20.05	20.11	20.16	0.0	20.50
	CP-OFDM	QPSK	1	1	22.79	23.05	23.11	0.7	23.70	19.91	20.13	20.11	0.0	20.50

NR Band 25 Measured Results (ANT3) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15	DFS-s OFDM	PI/2 BPSK	1	1	23.74	23.77	23.75	0.0	24.40	19.98	20.03	20.13	0.0	20.50
			1	39	23.62	23.69	23.47	0.0	24.40	20.11	20.05	19.87	0.0	20.50
			1	77	23.44	23.51	23.24	0.0	24.40	20.07	19.93	20.09	0.0	20.50
			36	18	23.61	23.67	23.49	0.0	24.40	19.97	20.15	20.17	0.0	20.50
			75	0	23.52	23.31	23.68	0.0	24.40	20.18	20.21	20.25	0.0	20.50
		QPSK	1	1	23.68	23.77	23.73	0.0	24.40	19.91	20.12	20.21	0.0	20.50
			1	39	23.51	23.62	23.44	0.0	24.40	19.98	20.25	20.11	0.0	20.50
			1	77	23.35	23.45	23.22	0.0	24.40	20.08	20.08	20.14	0.0	20.50
			36	18	23.58	23.65	23.46	0.0	24.40	20.02	20.17	20.21	0.0	20.50
			75	0	22.68	22.83	22.56	0.2	24.20	20.11	19.93	20.03	0.0	20.50
		16QAM	1	1	22.99	23.05	23.15	0.2	24.20	20.19	20.17	20.15	0.0	20.50
		64QAM	1	1	21.89	22.05	21.56	1.7	22.70	20.02	20.21	20.06	0.0	20.50
		256QAM	1	1	19.86	19.77	19.89	3.7	20.70	20.21	20.11	20.04	0.0	20.50
	CP-OFDM	QPSK	1	1	22.86	22.79	23.07	0.7	23.70	20.21	20.13	20.21	0.0	20.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	23.78	23.74	23.68	0.0	24.40	20.06	20.13	20.16	0.0	20.50
			1	25	23.81	23.66	23.28	0.0	24.40	20.01	20.17	20.05	0.0	20.50
			1	50	23.47	23.54	23.43	0.0	24.40	20.18	20.07	20.14	0.0	20.50
			25	12	23.43	23.47	23.45	0.0	24.40	20.04	20.13	20.07	0.0	20.50
			50	0	23.52	23.31	23.68	0.0	24.40	20.11	20.20	20.18	0.0	20.50
		QPSK	1	1	23.81	23.71	23.66	0.0	24.40	20.24	20.16	20.23	0.0	20.50
			1	25	23.71	23.75	23.53	0.0	24.40	20.00	20.24	20.10	0.0	20.50
			1	50	22.90	23.44	23.54	0.0	24.40	20.23	20.08	20.13	0.0	20.50
			25	12	23.41	23.24	23.54	0.0	24.40	20.04	20.18	20.06	0.0	20.50
			50	0	22.58	22.50	22.50	0.2	24.20	20.24	20.16	20.11	0.0	20.50
		16QAM	1	1	22.85	23.10	23.23	0.2	24.20	20.19	20.14	20.17	0.0	20.50
		64QAM	1	1	21.75	22.02	21.89	1.7	22.70	20.09	20.06	20.23	0.0	20.50
		256QAM	1	1	19.72	19.54	19.87	3.7	20.70	19.96	19.78	20.11	0.0	20.50
	CP-OFDM	QPSK	1	1	22.86	22.56	22.89	0.7	23.70	20.20	19.90	20.23	0.0	20.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	23.65	23.77	23.75	0.0	24.40	20.02	20.13	19.98	0.0	20.50
			1	12	23.81	23.66	23.55	0.0	24.40	19.99	20.01	20.01	0.0	20.50
			1	23	23.29	23.68	23.70	0.0	24.40	19.91	19.95	19.90	0.0	20.50
			12	6	23.38	23.77	23.14	0.0	24.40	20.05	20.09	20.06	0.0	20.50
			25	0	23.31	23.77	23.62	0.0	24.40	20.25	20.18	20.19	0.0	20.50
		QPSK	1	1	23.79	23.72	23.80	0.0	24.40	20.09	20.11	19.95	0.0	20.50
			1	12	23.44	23.76	23.10	0.0	24.40	20.01	20.16	19.93	0.0	20.50
			1	23	23.50	23.47	23.29	0.0	24.40	20.14	20.15	20.25	0.0	20.50
			12	6	23.58	23.64	23.47	0.0	24.40	20.01	20.10	20.03	0.0	20.50
			25	0	22.94	22.50	22.50	0.2	24.20	20.13	20.17	20.07	0.0	20.50
		16QAM	1	1	23.53	22.88	22.99	0.2	24.20	20.24	20.21	20.23	0.0	20.50
		64QAM	1	1	21.75	21.96	22.05	1.7	22.70	20.09	20.19	20.19	0.0	20.50
		256QAM	1	1	19.89	19.75	19.96	3.7	20.70	20.13	19.99	20.20	0.0	20.50
	CP-OFDM	QPSK	1	1	22.89	22.92	23.05	0.7	23.70	20.23	20.16	20.19	0.0	20.50

NR Band 25 Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					376500	MPR	Tune-up Limit		376500	MPR	Tune-up Limit	
					1882.5 MHz				1882.5 MHz			
40	DFS-s OFDM	Pi/2 BPSK	1	1	19.16	0.0	19.60		21.23	0.0	21.70	
			1	107	19.00	0.0	19.60		20.95	0.0	21.70	
			1	214	19.13	0.0	19.60		21.21	0.0	21.70	
			108	54	19.03	0.0	19.60		20.90	0.0	21.70	
			216	0	19.02	0.0	19.60		20.48	0.5	21.20	
		QPSK	1	1	19.13	0.0	19.60		21.21	0.0	21.70	
			1	107	19.01	0.0	19.60		21.28	0.0	21.70	
			1	214	19.03	0.0	19.60		21.18	0.0	21.70	
			108	54	19.19	0.0	19.60		21.28	0.0	21.70	
			216	0	19.09	0.0	19.60		20.06	1.0	20.70	
		16QAM	1	1	19.05	0.0	19.60		20.20	1.0	20.70	
		64QAM	1	1	18.70	0.4	19.20		18.78	2.5	19.20	
		256QAM	1	1	16.68	2.4	17.20		16.75	4.5	17.20	
	CP-OFDM	QPSK	1	1	19.17	0.0	19.60		19.76	1.5	20.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					376500	MPR	Tune-up Limit		376500	MPR	Tune-up Limit	
					1882.5 MHz				1882.5 MHz			
30	DFS-s OFDM	Pi/2 BPSK	1	1	19.11	0.0	19.60		21.02	0.0	21.70	
			1	79	19.08	0.0	19.60		20.98	0.0	21.70	
			1	158	19.07	0.0	19.60		21.25	0.0	21.70	
			80	40	19.17	0.0	19.60		20.98	0.0	21.70	
			160	0	19.08	0.0	19.60		20.50	0.5	21.20	
		QPSK	1	1	19.04	0.0	19.60		21.18	0.0	21.70	
			1	79	18.97	0.0	19.60		21.15	0.0	21.70	
			1	158	19.03	0.0	19.60		21.17	0.0	21.70	
			80	40	19.06	0.0	19.60		20.96	0.0	21.70	
			160	0	19.12	0.0	19.60		20.00	1.0	20.70	
		16QAM	1	1	19.07	0.0	19.60		20.21	1.0	20.70	
		64QAM	1	1	18.73	0.4	19.20		18.73	2.5	19.20	
		256QAM	1	1	16.68	2.4	17.20		16.68	4.5	17.20	
	CP-OFDM	QPSK	1	1	18.98	0.0	19.60		19.78	1.5	20.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					376500	MPR	Tune-up Limit		376500	MPR	Tune-up Limit	
					1882.5 MHz				1882.5 MHz			
25	DFS-s OFDM	Pi/2 BPSK	1	1	19.09	0.0	19.60		21.21	0.0	21.70	
			1	66	19.12	0.0	19.60		20.90	0.0	21.70	
			1	131	18.98	0.0	19.60		21.28	0.0	21.70	
			64	32	19.06	0.0	19.60		20.97	0.0	21.70	
			128	0	19.16	0.0	19.60		20.40	0.5	21.20	
		QPSK	1	1	19.14	0.0	19.60		21.18	0.0	21.70	
			1	66	19.14	0.0	19.60		20.93	0.0	21.70	
			1	131	19.12	0.0	19.60		21.11	0.0	21.70	
			64	32	19.10	0.0	19.60		20.89	0.0	21.70	
			128	0	19.12	0.0	19.60		19.91	1.0	20.70	
		16QAM	1	1	19.13	0.0	19.60		20.16	1.0	20.70	
		64QAM	1	1	18.74	0.4	19.20		18.74	2.5	19.20	
		256QAM	1	1	16.70	2.4	17.20		16.61	4.5	17.20	
	CP-OFDM	QPSK	1	1	19.10	0.0	19.60		19.75	1.5	20.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					372000	376500	381000	MPR	Tune-up Limit	372000	376500	381000	MPR	Tune-up Limit
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20	DFS-s OFDM	Pi/2 BPSK	1	1	19.08	19.15	19.10	0.0	19.60	21.04	20.83	21.08	0.0	22.00
			1	53	19.02	19.17	19.15	0.0	19.60	20.98	21.00	21.12	0.0	22.00
			1	104	18.99	19.08	19.17	0.0	19.60	21.05	21.10	21.11	0.0	22.00
			50	28	19.00	19.02	19.15	0.0	19.60	20.87	20.90	21.11	0.0	22.00
			100	0	19.18	19.01	19.18	0.0	19.60	20.36	20.39	20.63	0.0	22.00
		QPSK	1	1	19.05	19.01	19.11	0.0	19.60	21.03	21.03	21.11	0.0	22.00
			1	53	19.12	19.02	19.08	0.0	19.60	21.06	21.30	21.12	0.0	22.00
			1	104	19.09	19.11	19.11	0.0	19.60	20.98	20.85	21.16	0.0	22.00
			50	28	19.30	19.04	19.06	0.0	19.60	20.90	21.30	21.08	0.0	22.00
			100	0	19.15	19.03	19.13	0.0	19.60	20.88	20.98	21.08	0.0	22.00
		16QAM	1	1	19.09	19.03	18.94	0.0	19.60	21.16	20.88	20.99	0.0	22.00
		64QAM	1	1	19.14	19.10	19.17	0.0	19.60	19.82	19.79	19.84	1.3	20.70
		256QAM	1	1	17.98	18.16	18.18	0.9	18.70	17.52	17.77	17.72	3.3	18.70
	CP-OFDM	QPSK	1	1	19.02	19.09	19.13	0.0	19.60	20.68	20.85	20.71	0.3	21.70

NR Band 25 Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15	DFS-s OFDM	PI/2 BPSK	1	1	18.96	19.04	19.16	0.0	19.60	20.99	21.16	21.16	0.0	22.00
			1	39	19.09	19.09	19.16	0.0	19.60	21.06	21.15	21.15	0.0	22.00
			1	77	19.07	19.16	18.98	0.0	19.60	21.04	21.06	21.10	0.0	22.00
			36	18	19.03	19.09	19.00	0.0	19.60	20.92	21.03	21.05	0.0	22.00
			75	0	18.97	19.06	19.09	0.0	19.60	20.40	20.45	20.86	0.0	22.00
		QPSK	1	1	19.16	19.14	19.10	0.0	19.60	21.09	20.69	20.89	0.0	22.00
			1	39	19.06	19.17	19.10	0.0	19.60	21.05	21.06	21.10	0.0	22.00
			1	77	19.13	19.11	19.12	0.0	19.60	21.11	20.96	21.16	0.0	22.00
			36	18	19.18	19.18	19.00	0.0	19.60	21.14	20.99	21.01	0.0	22.00
			75	0	19.18	19.14	19.10	0.0	19.60	21.01	21.05	20.99	0.0	22.00
		16QAM	1	1	19.07	19.16	18.99	0.0	19.60	21.11	20.97	20.86	0.0	22.00
		64QAM	1	1	19.12	18.93	19.14	0.0	19.60	19.76	19.84	19.81	1.3	20.70
		256QAM	1	1	18.15	18.22	18.07	0.9	18.70	17.83	17.74	17.65	3.3	18.70
	CP-OFDM	QPSK	1	1	19.03	19.08	19.11	0.0	19.60	20.72	20.85	20.81	0.3	21.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	19.18	19.17	19.15	0.0	19.60	20.79	20.83	20.84	0.0	22.00
			1	25	18.89	19.13	19.18	0.0	19.60	20.80	20.83	20.83	0.0	22.00
			1	50	19.17	19.18	18.89	0.0	19.60	20.82	20.87	20.82	0.0	22.00
			25	12	19.17	19.18	18.89	0.0	19.60	20.73	20.76	20.76	0.0	22.00
			50	0	19.17	19.17	19.18	0.0	19.60	20.68	20.68	20.67	0.0	22.00
		QPSK	1	1	19.17	18.92	18.89	0.0	19.60	20.75	20.77	20.78	0.0	22.00
			1	25	19.13	19.18	19.15	0.0	19.60	20.77	20.84	20.82	0.0	22.00
			1	50	19.16	18.89	19.18	0.0	19.60	20.85	20.87	20.86	0.0	22.00
			25	12	19.17	18.90	18.89	0.0	19.60	20.74	20.76	20.74	0.0	22.00
			50	0	19.16	18.91	19.18	0.0	19.60	20.94	20.93	20.90	0.0	22.00
		16QAM	1	1	19.14	19.14	19.15	0.0	19.60	21.33	21.36	21.34	0.0	22.00
		64QAM	1	1	19.03	19.04	19.05	0.0	19.60	19.82	19.83	19.81	1.3	20.70
		256QAM	1	1	18.08	18.14	18.10	0.9	18.70	17.88	17.90	17.90	3.3	18.70
	CP-OFDM	QPSK	1	1	19.06	19.00	19.08	0.0	19.60	20.91	20.89	20.91	0.3	21.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	19.07	19.16	19.17	0.0	19.60	20.78	20.80	20.84	0.0	22.00
			1	12	19.07	19.15	19.12	0.0	19.60	20.79	20.81	20.85	0.0	22.00
			1	23	19.14	18.90	19.10	0.0	19.60	20.80	20.84	20.79	0.0	22.00
			12	6	19.07	18.89	19.10	0.0	19.60	20.69	20.73	20.75	0.0	22.00
			25	0	19.04	19.17	19.00	0.0	19.60	20.66	20.68	20.66	0.0	22.00
		QPSK	1	1	19.16	18.92	18.89	0.0	19.60	20.75	20.74	20.78	0.0	22.00
			1	12	19.15	18.90	19.09	0.0	19.60	20.77	20.81	20.82	0.0	22.00
			1	23	19.09	18.89	19.16	0.0	19.60	20.83	20.82	20.82	0.0	22.00
			12	6	19.16	19.18	18.91	0.0	19.60	20.74	20.73	20.72	0.0	22.00
			25	0	19.12	19.18	18.91	0.0	19.60	20.92	20.93	20.90	0.0	22.00
		16QAM	1	1	19.16	19.16	19.12	0.0	19.60	21.31	21.36	21.31	0.0	22.00
		64QAM	1	1	18.91	19.06	19.15	0.0	19.60	19.81	19.84	19.81	1.3	20.70
		256QAM	1	1	17.99	18.12	18.03	0.9	18.70	17.90	17.93	17.92	3.3	18.70
	CP-OFDM	QPSK	1	1	18.79	19.13	19.06	0.0	19.60	20.91	20.88	20.88	0.3	21.70

NR Band 30 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					462000	MPR	Tune-up Limit	462000	MPR	Tune-up Limit
					2310 MHz			2310 MHz		
10	DFS-s OFDM	π/2 BPSK	1	1	24.93	0.0	25.70	20.67	0.0	21.10
			1	25	24.88	0.0	25.70	20.72	0.0	21.10
			1	50	24.89	0.0	25.70	20.68	0.0	21.10
			25	12	24.90	0.0	25.70	20.66	0.0	21.10
			50	0	24.42	0.5	25.20	20.65	0.0	21.10
		QPSK	1	1	24.89	0.0	25.70	20.69	0.0	21.10
			1	25	25.11	0.0	25.70	20.78	0.0	21.10
			1	50	24.88	0.0	25.70	20.71	0.0	21.10
			25	12	24.96	0.0	25.70	20.76	0.0	21.10
			50	0	24.42	1.0	24.70	20.69	0.0	21.10
		16QAM	1	1	23.85	1.0	24.70	20.64	0.0	21.10
		64QAM	1	1	22.41	2.5	23.20	20.69	0.0	21.10
		256QAM	1	1	20.51	4.5	21.20	20.64	0.0	21.10
		QPSK	1	1	23.43	1.5	24.20	20.63	0.0	21.10

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					462000	MPR	Tune-up Limit	462000	MPR	Tune-up Limit
					2310 MHz			2310 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	24.92	0.0	25.70	20.70	0.0	21.10
			1	12	24.88	0.0	25.70	20.66	0.0	21.10
			1	23	24.89	0.0	25.70	20.66	0.0	21.10
			12	6	24.90	0.0	25.70	20.68	0.0	21.10
			25	0	24.44	0.5	25.20	20.65	0.0	21.10
		QPSK	1	1	24.89	0.0	25.70	20.67	0.0	21.10
			1	12	24.88	0.0	25.70	20.66	0.0	21.10
			1	23	24.92	0.0	25.70	20.69	0.0	21.10
			12	6	24.91	0.0	25.70	20.68	0.0	21.10
			25	0	23.90	1.0	24.70	20.67	0.0	21.10
		16QAM	1	1	23.95	1.0	24.70	20.66	0.0	21.10
		64QAM	1	1	22.47	2.5	23.20	20.68	0.0	21.10
		256QAM	1	1	20.48	4.5	21.20	20.55	0.0	21.10
		QPSK	1	1	23.42	1.5	24.20	20.61	0.0	21.10

NR Band 30 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					462000	MPR	Tune-up Limit	462000	MPR	Tune-up Limit
					2310 MHz			2310 MHz		
10	DFS-s OFDM	π/2 BPSK	1	1	19.18	0.0	19.60	19.77	0.0	20.50
			1	25	19.32	0.0	19.60	19.76	0.0	20.50
			1	50	19.37	0.0	19.60	19.93	0.0	20.50
			25	12	19.23	0.0	19.60	19.80	0.0	20.50
			50	0	19.24	0.0	19.60	19.77	0.0	20.50
		QPSK	1	1	19.24	0.0	19.60	19.92	0.0	20.50
			1	25	19.32	0.0	19.60	19.93	0.0	20.50
			1	50	19.38	0.0	19.60	19.89	0.0	20.50
			25	12	19.40	0.0	19.60	19.81	0.0	20.50
			50	0	19.25	0.0	19.60	20.09	0.0	20.50
		16QAM	1	1	19.15	0.0	19.60	19.91	0.0	20.50
		64QAM	1	1	19.32	0.0	19.60	19.44	0.3	20.20
		256QAM	1	1	17.92	1.4	18.20	17.78	2.3	18.20
		QPSK	1	1	19.33	0.0	19.60	20.04	0.0	20.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					462000	MPR	Tune-up Limit	462000	MPR	Tune-up Limit
					2310 MHz			2310 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	19.14	0.0	19.60	19.61	0.0	20.50
			1	12	19.38	0.0	19.60	19.71	0.0	20.50
			1	23	19.25	0.0	19.60	19.75	0.0	20.50
			12	6	19.26	0.0	19.60	19.69	0.0	20.50
			25	0	19.17	0.0	19.60	19.68	0.0	20.50
		QPSK	1	1	19.16	0.0	19.60	19.81	0.0	20.50
			1	12	19.40	0.0	19.60	19.98	0.0	20.50
			1	23	19.33	0.0	19.60	20.05	0.0	20.50
			12	6	19.27	0.0	19.60	19.77	0.0	20.50
			25	0	19.23	0.0	19.60	19.75	0.0	20.50
		16QAM	1	1	19.34	0.0	19.60	19.88	0.0	20.50
		64QAM	1	1	19.33	0.0	19.60	19.62	0.3	20.20
		256QAM	1	1	17.97	1.4	18.20	17.79	2.3	18.20
		QPSK	1	1	19.38	0.0	19.60	19.88	0.0	20.50

NR Band 30 Measured Results (ANT3)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					462000	MPR	Tune-up Limit	462000	MPR	Tune-up Limit
					2310 MHz			2310 MHz		
10	DFS-s OFDM	π/2 BPSK	1	1	22.09	0.0	22.30	19.50	0.0	19.70
			1	25	21.92	0.0	22.30	19.23	0.0	19.70
			1	50	21.81	0.0	22.30	19.41	0.0	19.70
			25	12	21.62	0.0	22.30	19.33	0.0	19.70
			50	0	21.45	0.5	21.80	19.32	0.0	19.70
		QPSK	1	1	22.02	0.0	22.30	19.34	0.0	19.70
			1	25	21.87	0.0	22.30	19.44	0.0	19.70
			1	50	21.89	0.0	22.30	19.37	0.0	19.70
			25	12	22.20	0.0	22.30	19.60	0.0	19.70
			50	0	21.07	1.0	21.30	19.32	0.0	19.70
		16QAM	1	1	20.92	1.0	21.30	19.39	0.0	19.70
		64QAM	1	1	19.23	2.5	19.80	19.17	0.0	19.70
		256QAM	1	1	17.55	4.5	17.80	17.60	1.9	17.80
		QPSK	1	1	20.21	1.5	20.80	19.04	0.0	19.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					462000	MPR	Tune-up Limit	462000	MPR	Tune-up Limit
					2310 MHz			2310 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	21.93	0.0	22.30	19.24	0.0	19.70
			1	12	21.85	0.0	22.30	19.18	0.0	19.70
			1	23	21.81	0.0	22.30	19.29	0.0	19.70
			12	6	21.87	0.0	22.30	19.14	0.0	19.70
			25	0	21.55	0.5	21.80	19.09	0.0	19.70
		QPSK	1	1	21.87	0.0	22.30	19.20	0.0	19.70
			1	12	21.96	0.0	22.30	19.19	0.0	19.70
			1	23	21.89	0.0	22.30	19.08	0.0	19.70
			12	6	21.89	0.0	22.30	19.13	0.0	19.70
			25	0	20.81	1.0	21.30	19.09	0.0	19.70
		16QAM	1	1	21.04	1.0	21.30	19.13	0.0	19.70
		64QAM	1	1	19.45	2.5	19.80	18.99	0.0	19.70
		256QAM	1	1	17.48	4.5	17.80	17.21	1.9	17.80
		QPSK	1	1	20.54	1.5	20.80	18.82	0.0	19.70

NR Band 30 Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					462000	MPR	Tune-up Limit	462000	MPR	Tune-up Limit
					2310 MHz			2310 MHz		
10	DFS-s OFDM	π/2 BPSK	1	1	18.29	0.0	18.80	20.00	0.0	20.60
			1	25	18.55	0.0	18.80	20.21	0.0	20.60
			1	50	18.50	0.0	18.80	20.17	0.0	20.60
			25	12	18.48	0.0	18.80	20.12	0.0	20.60
			50	0	18.44	0.0	18.80	20.17	0.0	20.60
		QPSK	1	1	18.27	0.0	18.80	20.00	0.0	20.60
			1	25	18.50	0.0	18.80	20.20	0.0	20.60
			1	50	18.41	0.0	18.80	20.13	0.0	20.60
			25	12	18.60	0.0	18.80	20.20	0.0	20.60
			50	0	18.40	0.0	18.80	20.23	0.0	20.60
		16QAM	1	1	18.45	0.0	18.80	20.17	0.0	20.60
		64QAM	1	1	18.43	0.0	18.80	19.81	0.4	20.20
		256QAM	1	1	17.67	0.6	18.20	17.83	2.4	18.20
	CP-OFDM	QPSK	1	1	18.55	0.0	18.80	19.99	0.0	20.60

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					462000	MPR	Tune-up Limit	462000	MPR	Tune-up Limit
					2310 MHz			2310 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	18.26	0.0	18.80	20.19	0.0	20.60
			1	12	18.53	0.0	18.80	20.06	0.0	20.60
			1	23	18.40	0.0	18.80	20.12	0.0	20.60
			12	6	18.39	0.0	18.80	20.13	0.0	20.60
			25	0	18.44	0.0	18.80	20.07	0.0	20.60
		QPSK	1	1	18.55	0.0	18.80	20.19	0.0	20.60
			1	12	18.54	0.0	18.80	20.17	0.0	20.60
			1	23	18.49	0.0	18.80	20.10	0.0	20.60
			12	6	18.42	0.0	18.80	20.16	0.0	20.60
			25	0	18.42	0.0	18.80	20.05	0.0	20.60
		16QAM	1	1	18.43	0.0	18.80	20.17	0.0	20.60
		64QAM	1	1	18.43	0.0	18.80	19.74	0.4	20.20
		256QAM	1	1	17.93	0.6	18.20	17.77	2.4	18.20
	CP-OFDM	QPSK	1	1	18.53	0.0	18.80	20.17	0.0	20.60

NR Band 41 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
100	DFS-s OFDM	PI/2 BPSK	1	1	25.32	0.0	25.70	19.11	0.0	19.70
			1	137	25.34	0.0	25.70	19.02	0.0	19.70
			1	271	25.39	0.0	25.70	19.13	0.0	19.70
			135	69	25.22	0.0	25.70	18.83	0.0	19.70
			270	0	24.81	0.5	25.20	18.97	0.0	19.70
		QPSK	1	1	25.33	0.0	25.70	19.02	0.0	19.70
			1	137	25.42	0.0	25.70	18.77	0.0	19.70
			1	271	25.29	0.0	25.70	18.89	0.0	19.70
			135	69	25.19	0.0	25.70	19.31	0.0	19.70
			270	0	24.22	1.0	24.70	18.06	0.0	19.70
		16QAM	1	1	24.37	1.0	24.70	19.23	0.0	19.70
		64QAM	1	1	22.85	2.5	23.20	19.21	0.0	19.70
		256QAM	1	1	20.81	4.5	21.20	19.24	0.0	19.70
	CP-OFDM	QPSK	1	1	23.80	1.5	24.20	19.20	0.0	19.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
90	DFS-s OFDM	PI/2 BPSK	1	1	25.39	0.0	25.70	19.26	0.0	19.70
			1	122	25.36	0.0	25.70	18.89	0.0	19.70
			1	243	25.29	0.0	25.70	18.90	0.0	19.70
			120	60	25.25	0.0	25.70	18.77	0.0	19.70
			243	0	24.85	0.5	25.20	18.82	0.0	19.70
		QPSK	1	1	25.34	0.0	25.70	19.07	0.0	19.70
			1	122	25.31	0.0	25.70	18.88	0.0	19.70
			1	243	25.39	0.0	25.70	18.99	0.0	19.70
			120	60	25.30	0.0	25.70	18.74	0.0	19.70
			243	0	24.30	1.0	24.70	18.84	0.0	19.70
		16QAM	1	1	24.39	1.0	24.70	19.09	0.0	19.70
		64QAM	1	1	22.80	2.5	23.20	19.25	0.0	19.70
		256QAM	1	1	20.46	4.5	21.20	19.20	0.0	19.70
	CP-OFDM	QPSK	1	1	23.86	1.5	24.20	18.95	0.0	19.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
80	DFS-s OFDM	PI/2 BPSK	1	1	25.34	0.0	25.70	19.19	0.0	19.70
			1	108	25.32	0.0	25.70	19.19	0.0	19.70
			1	215	25.28	0.0	25.70	19.09	0.0	19.70
			108	54	25.22	0.0	25.70	19.21	0.0	19.70
			216	0	24.89	0.5	25.20	19.21	0.0	19.70
		QPSK	1	1	25.37	0.0	25.70	19.14	0.0	19.70
			1	108	25.25	0.0	25.70	19.15	0.0	19.70
			1	215	25.39	0.0	25.70	19.19	0.0	19.70
			108	54	25.28	0.0	25.70	19.12	0.0	19.70
			216	0	24.28	1.0	24.70	19.22	0.0	19.70
		16QAM	1	1	24.37	1.0	24.70	19.26	0.0	19.70
		64QAM	1	1	22.82	2.5	23.20	19.14	0.0	19.70
		256QAM	1	1	20.37	4.5	21.20	19.16	0.0	19.70
	CP-OFDM	QPSK	1	1	23.50	1.5	24.20	19.26	0.0	19.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
60	DFS-s OFDM	PI/2 BPSK	1	1	25.39	0.0	25.70	19.26	0.0	19.70
			1	80	25.35	0.0	25.70	19.18	0.0	19.70
			1	160	25.29	0.0	25.70	19.18	0.0	19.70
			81	40	25.39	0.0	25.70	19.20	0.0	19.70
			162	0	24.39	0.5	25.20	19.21	0.0	19.70
		QPSK	1	1	24.35	0.0	25.70	19.24	0.0	19.70
			1	80	25.19	0.0	25.70	19.25	0.0	19.70
			1	160	25.30	0.0	25.70	19.19	0.0	19.70
			81	40	25.16	0.0	25.70	19.22	0.0	19.70
			162	0	24.32	1.0	24.70	19.24	0.0	19.70
		16QAM	1	1	24.22	1.0	24.70	19.12	0.0	19.70
		64QAM	1	1	22.68	2.5	23.20	19.13	0.0	19.70
		256QAM	1	1	20.15	4.5	21.20	19.03	0.0	19.70
	CP-OFDM	QPSK	1	1	23.86	1.5	24.20	19.07	0.0	19.70

NR Band 41 Measured Results (ANT1) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
							518598							518598				
							2593.00 MHz							2593.00 MHz				
50	DFS-s OFDM	PI/2 BPSK	1	1			25.22			0.0	25.70			19.01			0.0	19.70
			1	66			25.26			0.0	25.70			18.92			0.0	19.70
			1	131			25.39			0.0	25.70			19.09			0.0	19.70
			64	32			25.10			0.0	25.70			18.92			0.0	19.70
			128	0			24.69			0.5	25.20			18.93			0.0	19.70
		QPSK	1	1			25.24			0.0	25.70			19.26			0.0	19.70
			1	66			25.20			0.0	25.70			19.09			0.0	19.70
			1	131			25.31			0.0	25.70			19.06			0.0	19.70
			64	32			25.13			0.0	25.70			19.13			0.0	19.70
			128	0			24.17			1.0	24.70			19.03			0.0	19.70
		16QAM	1	1			24.10			1.0	24.70			19.04			0.0	19.70
		64QAM	1	1			22.74			2.5	23.20			19.18			0.0	19.70
		256QAM	1	1			20.08			4.5	21.20			19.23			0.0	19.70
	CP-OFDM	QPSK	1	1			23.52			1.5	24.20			19.25			0.0	19.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					503196	510900	518598	526296	533994			503196	510900	518598	526296	533994		
					2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz			2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz		
40	DFS-s OFDM	PI/2 BPSK	1	1	25.25	25.22	25.10	24.89	25.15	0.0	25.70	19.16	19.03	19.14	19.01	19.03	0.0	19.70
			1	53	25.17	25.04	25.01	24.97	25.22	0.0	25.70	18.84	18.78	18.76	19.07	18.87	0.0	19.70
			1	104	25.26	24.87	25.28	25.07	25.39	0.0	25.70	19.14	18.83	18.85	19.14	19.06	0.0	19.70
			50	28	25.17	24.98	25.02	24.94	25.17	0.0	25.70	18.98	18.90	18.91	19.02	18.98	0.0	19.70
			100	0	24.57	24.67	24.75	24.63	24.89	0.5	25.20	19.05	18.97	18.89	19.00	18.91	0.0	19.70
		QPSK	1	1	25.33	25.04	25.04	25.18	24.95	0.0	25.70	19.05	19.11	19.04	19.14	19.09	0.0	19.70
			1	53	25.27	24.91	25.03	24.84	25.26	0.0	25.70	18.95	18.82	18.70	18.82	18.84	0.0	19.70
			1	104	25.14	24.95	25.10	24.98	25.04	0.0	25.70	19.03	18.87	19.00	19.06	19.08	0.0	19.70
			50	28	25.24	24.95	25.00	24.95	25.23	0.0	25.70	19.03	18.95	18.85	18.91	18.91	0.0	19.70
			100	0	24.25	24.37	24.35	24.32	24.27	1.0	24.70	19.02	18.98	18.85	19.00	18.97	0.0	19.70
		16QAM	1	1	24.19	24.25	24.06	24.22	24.17	1.0	24.70	19.06	18.98	18.91	19.09	18.84	0.0	19.70
		64QAM	1	1	22.89	22.76	22.77	22.80	22.72	2.5	23.20	18.70	19.00	18.85	18.85	18.91	0.0	19.70
		256QAM	1	1	20.85	20.80	20.76	20.84	20.87	4.5	21.20	19.16	18.84	19.14	18.98	19.05	0.0	19.70
	CP-OFDM	QPSK	1	1	23.71	23.83	23.80	23.88	23.88	1.5	24.20	18.95	18.98	18.98	19.00	18.84	0.0	19.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					502200	510396	518598	526800	534996			502200	510396	518598	526800	534996		
					2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz			2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz		
30	DFS-s OFDM	PI/2 BPSK	1	1	25.20	25.21	24.94	24.63	25.18	0.0	25.70	18.99	19.22	18.85	18.91	18.89	0.0	19.70
			1	38	25.23	25.20	24.91	24.95	24.95	0.0	25.70	18.86	18.97	19.14	18.82	19.06	0.0	19.70
			1	76	25.13	25.35	25.17	25.26	25.17	0.0	25.70	19.26	19.17	18.84	19.14	18.98	0.0	19.70
			36	18	25.36	25.37	25.17	24.89	24.95	0.0	25.70	18.99	18.91	18.91	19.09	18.84	0.0	19.70
			75	0	24.80	24.89	24.84	24.88	24.85	0.5	25.20	19.01	18.93	19.14	18.76	18.85	0.0	19.70
		QPSK	1	1	25.24	25.39	25.17	24.57	25.33	0.0	25.70	19.06	19.08	19.00	18.84	18.98	0.0	19.70
			1	38	25.12	25.08	25.26	25.39	25.10	0.0	25.70	19.06	19.14	19.06	18.91	19.00	0.0	19.70
			1	76	25.30	25.36	25.27	25.14	25.24	0.0	25.70	18.98	18.98	19.05	19.05	18.95	0.0	19.70
			36	18	25.06	25.10	24.95	25.26	25.04	0.0	25.70	18.86	18.91	19.09	18.84	19.08	0.0	19.70
			75	0	24.11	24.20	24.35	24.34	24.23	1.0	24.70	19.03	19.01	19.03	18.78	18.83	0.0	19.70
		16QAM	1	1	24.21	24.18	24.11	24.07	24.17	1.0	24.70	19.00	18.85	18.85	18.91	18.85	0.0	19.70
		64QAM	1	1	22.83	22.85	22.86	22.81	22.70	2.5	23.20	18.78	18.83	18.90	18.97	19.11	0.0	19.70
		256QAM	1	1	20.82	20.83	20.75	20.84	20.88	4.5	21.20	18.97	18.84	18.91	19.05	18.84	0.0	19.70
	CP-OFDM	QPSK	1	1	23.87	23.81	23.75	23.73	23.66	1.5	24.20	19.00	18.85	18.85	18.91	18.85	0.0	19.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					501198	509898	518598	527298	535998			501198	509898	518598	527298	535998		
					2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz			2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	25.25	25.17	25.26	25.17	24.57	0.0	25.70	19.09	18.76	18.84	18.91	19.05	0.0	19.70
			1	25	25.20	25.23	25.13	25.36	24.80	0.0	25.70	18.99	18.86	19.26	18.99	19.01	0.0	19.70
			1	49	25.17	24.84	25.17	25.26	25.27	0.0	25.70	19.06	18.91	19.00	19.09	18.85	0.0	19.70
			25	12	25.15	25.22	25.39	25.17	24.89	0.0	25.70	19.14	18.98	19.05	19.05	18.95	0.0	19.70
			50	0	24.86	24.89	24.88	24.57	24.88	0.5	25.20	18.85	18.98	19.00	18.95	19.08	0.0	19.70
		QPSK	1	1	25.17	24.95	24.95	25.33	25.10	0.0	25.70	18.86	19.03	19.00	18.78	18.97	0.0	19.70
			1	25	25.22	25.39	25.17	24.89	24.95	0.0	25.70	18.91	19.14	19.00	19.06	19.05	0.0	19.70
			1	49	25.15	25.22	25.39	25.17	24.89	0.0	25.70	19.08	18.91	18.97	18.84	18.91	0.0	19.70
			25	12	25.36	24.80	25.24	25.12	25.30	0.0	25.70	18.91	18.93	19.08	19.14	18.98	0.0	19.70
			50	0	24.27	24.17	24.25	24.19	24.35	1.0	24.70	18.95	18.98	18.98	19.00	18.84	0.0	19.70
		16QAM	1	1	24.11	24.21	24.34	24.07	24.33	1.0	24.70	19.05	18.84	18.78	18.91	18.97	0.0	19.70
		64QAM	1	1	22.85	22.89	22.81	22.85	22.80	2.5	23.20	18.97	18.84	18.91	19.05	18.84	0.0	19.70
		256QAM	1	1	20.87	20.81	20.84	20.80	20.83	4.5	21.20	19.03	18.78	18.83	18.90	18.97	0.0	19.70
	CP-OFDM	QPSK	1	1	23.84	23.80	23.86	23.82	23.71	1.5	24.20	18.76	18.84	18.91	19.05	18.84	0.0	19.70

NR Band 41 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
100	DFS-s OFDM	PI/2 BPSK	1	1	16.37	0.0	16.70	18.21	0.0	18.80
			1	137	16.24	0.0	16.70	18.02	0.0	18.80
			1	271	16.12	0.0	16.70	18.06	0.0	18.80
			135	69	16.26	0.0	16.70	18.10	0.0	18.80
			270	0	16.36	0.0	16.70	18.05	0.0	18.80
		QPSK	1	1	16.39	0.0	16.70	18.08	0.0	18.80
			1	137	16.15	0.0	16.70	18.09	0.0	18.80
			1	271	16.27	0.0	16.70	18.03	0.0	18.80
			135	69	16.47	0.0	16.70	18.49	0.0	18.80
			270	0	16.30	0.0	16.70	18.03	0.0	18.80
		16QAM	1	1	16.39	0.0	16.70	18.31	0.0	18.80
		64QAM	1	1	16.25	0.0	16.70	18.43	0.0	18.80
		256QAM	1	1	16.31	0.0	16.70	18.40	0.0	18.80
	CP-OFDM	QPSK	1	1	16.14	0.0	16.70	18.31	0.0	18.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
90	DFS-s OFDM	PI/2 BPSK	1	1	16.39	0.0	16.70	18.44	0.0	18.80
			1	122	16.20	0.0	16.70	18.28	0.0	18.80
			1	243	16.27	0.0	16.70	18.22	0.0	18.80
			120	60	16.22	0.0	16.70	18.29	0.0	18.80
			243	0	16.30	0.0	16.70	18.28	0.0	18.80
		QPSK	1	1	16.39	0.0	16.70	18.33	0.0	18.80
			1	122	16.36	0.0	16.70	18.05	0.0	18.80
			1	243	16.19	0.0	16.70	17.99	0.0	18.80
			120	60	16.28	0.0	16.70	18.27	0.0	18.80
			243	0	16.33	0.0	16.70	18.29	0.0	18.80
		16QAM	1	1	16.21	0.0	16.70	18.25	0.0	18.80
		64QAM	1	1	16.38	0.0	16.70	18.31	0.0	18.80
		256QAM	1	1	16.20	0.0	16.70	18.40	0.0	18.80
	CP-OFDM	QPSK	1	1	16.28	0.0	16.70	18.43	0.0	18.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
80	DFS-s OFDM	PI/2 BPSK	1	1	16.33	0.0	16.70	18.18	0.0	18.80
			1	108	16.21	0.0	16.70	18.01	0.0	18.80
			1	215	16.18	0.0	16.70	18.04	0.0	18.80
			108	54	16.16	0.0	16.70	18.09	0.0	18.80
			216	0	16.20	0.0	16.70	18.01	0.0	18.80
		QPSK	1	1	16.30	0.0	16.70	18.32	0.0	18.80
			1	108	16.21	0.0	16.70	18.12	0.0	18.80
			1	215	16.16	0.0	16.70	18.00	0.0	18.80
			108	54	16.20	0.0	16.70	18.05	0.0	18.80
			216	0	16.19	0.0	16.70	18.07	0.0	18.80
		16QAM	1	1	16.31	0.0	16.70	18.38	0.0	18.80
		64QAM	1	1	16.28	0.0	16.70	18.45	0.0	18.80
		256QAM	1	1	16.22	0.0	16.70	18.27	0.0	18.80
	CP-OFDM	QPSK	1	1	16.12	0.0	16.70	18.22	0.0	18.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
60	DFS-s OFDM	PI/2 BPSK	1	1	16.21	0.0	16.70	18.27	0.0	18.80
			1	80	16.14	0.0	16.70	18.12	0.0	18.80
			1	160	16.25	0.0	16.70	18.07	0.0	18.80
			81	40	16.18	0.0	16.70	18.08	0.0	18.80
			162	0	16.18	0.0	16.70	18.09	0.0	18.80
		QPSK	1	1	16.26	0.0	16.70	18.21	0.0	18.80
			1	80	16.23	0.0	16.70	18.06	0.0	18.80
			1	160	16.34	0.0	16.70	18.27	0.0	18.80
			81	40	16.14	0.0	16.70	18.06	0.0	18.80
			162	0	16.23	0.0	16.70	18.11	0.0	18.80
		16QAM	1	1	16.17	0.0	16.70	18.36	0.0	18.80
		64QAM	1	1	16.23	0.0	16.70	18.39	0.0	18.80
		256QAM	1	1	16.39	0.0	16.70	18.29	0.0	18.80
	CP-OFDM	QPSK	1	1	16.19	0.0	16.70	18.42	0.0	18.80

NR Band 41 Measured Results (ANT2) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
							518598							518598				
							2593.00 MHz							2593.00 MHz				
50	DFS-s OFDM	Pi/2 BPSK	1	1			16.19			0.0	16.70			18.26			0.0	18.80
			1	66			16.33			0.0	16.70			18.06			0.0	18.80
			1	131			16.24			0.0	16.70			18.05			0.0	18.80
			64	32			16.25			0.0	16.70			17.98			0.0	18.80
			128	0			16.16			0.0	16.70			18.06			0.0	18.80
		QPSK	1	1			16.39			0.0	16.70			18.26			0.0	18.80
			1	66			16.11			0.0	16.70			18.03			0.0	18.80
			1	131			16.39			0.0	16.70			18.11			0.0	18.80
			64	32			16.23			0.0	16.70			18.09			0.0	18.80
			128	0			16.23			0.0	16.70			18.07			0.0	18.80
		16QAM	1	1			16.30			0.0	16.70			18.28			0.0	18.80
		64QAM	1	1			16.21			0.0	16.70			18.41			0.0	18.80
		256QAM	1	1			16.25			0.0	16.70			18.31			0.0	18.80
	CP-OFDM	QPSK	1	1			16.14			0.0	16.70			18.07			0.0	18.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					503196	510900	518598	526296	533994			503196	510900	518598	526296	533994		
					2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz			2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz		
40	DFS-s OFDM	Pi/2 BPSK	1	1	16.38	16.38	16.18	16.35	16.34	0.0	16.70	18.31	18.41	18.34	18.21	18.41	0.0	18.80
			1	53	16.37	16.25	16.04	16.33	16.18	0.0	16.70	18.17	18.15	18.13	18.34	18.31	0.0	18.80
			1	104	16.32	16.13	16.32	16.36	16.32	0.0	16.70	18.33	18.19	18.35	18.36	18.40	0.0	18.80
			50	28	16.14	16.19	16.16	16.32	16.31	0.0	16.70	18.23	18.10	18.16	18.19	18.32	0.0	18.80
			100	0	16.17	16.27	16.16	16.36	16.32	0.0	16.70	18.16	18.14	18.22	18.26	18.34	0.0	18.80
		QPSK	1	1	16.34	16.39	16.19	16.39	16.39	0.0	16.70	18.29	18.17	18.33	18.39	18.22	0.0	18.80
			1	53	16.31	16.27	16.07	16.33	16.30	0.0	16.70	18.24	18.08	18.03	18.14	18.14	0.0	18.80
			1	104	16.37	16.15	16.30	16.33	16.30	0.0	16.70	18.38	18.17	18.22	18.41	18.20	0.0	18.80
			50	28	16.14	16.23	16.09	16.31	16.24	0.0	16.70	18.14	18.17	18.12	18.23	18.27	0.0	18.80
			100	0	16.17	16.27	16.18	16.30	16.24	0.0	16.70	18.11	18.22	18.05	18.24	18.32	0.0	18.80
		16QAM	1	1	16.26	16.30	16.14	16.29	16.26	0.0	16.70	18.40	18.39	18.24	18.34	18.07	0.0	18.80
		64QAM	1	1	16.28	16.28	16.22	16.14	16.31	0.0	16.70	18.32	18.39	18.29	18.31	18.45	0.0	18.80
		256QAM	1	1	16.25	16.29	16.28	16.21	16.21	0.0	16.70	18.41	18.42	18.26	18.43	18.28	0.0	18.80
	CP-OFDM	QPSK	1	1	16.24	16.20	16.35	16.21	16.38	0.0	16.70	18.43	18.31	18.33	18.39	18.18	0.0	18.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					502200	510396	518598	526800	534996			502200	510396	518598	526800	534996		
					2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz			2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz		
30	DFS-s OFDM	Pi/2 BPSK	1	1	16.33	16.05	16.06	16.05	16.33	0.0	16.70	18.45	18.26	18.17	18.29	18.26	0.0	18.80
			1	38	16.26	16.14	16.31	16.32	16.27	0.0	16.70	18.41	18.18	17.97	18.22	18.29	0.0	18.80
			1	76	16.39	16.27	16.39	16.03	16.03	0.0	16.70	18.41	18.23	18.18	18.27	18.36	0.0	18.80
			36	18	16.24	16.29	16.31	16.28	16.30	0.0	16.70	18.39	18.10	18.20	18.07	18.09	0.0	18.80
			75	0	16.31	16.33	16.39	16.36	16.36	0.0	16.70	18.39	18.16	18.23	18.10	18.10	0.0	18.80
		QPSK	1	1	16.30	16.36	16.30	16.04	16.02	0.0	16.70	18.30	18.20	18.36	18.29	18.27	0.0	18.80
			1	38	16.15	16.11	16.29	16.37	16.23	0.0	16.70	18.38	18.06	18.12	18.31	17.98	0.0	18.80
			1	76	16.39	16.20	16.06	16.09	16.08	0.0	16.70	18.23	18.32	18.32	18.18	18.25	0.0	18.80
			36	18	16.25	16.18	16.33	16.30	16.33	0.0	16.70	18.32	18.13	18.23	18.08	18.15	0.0	18.80
			75	0	16.30	16.32	16.37	16.33	16.34	0.0	16.70	18.37	18.18	18.22	18.15	18.17	0.0	18.80
		16QAM	1	1	16.26	16.28	16.17	16.16	16.16	0.0	16.70	18.24	18.08	18.33	18.06	18.18	0.0	18.80
		64QAM	1	1	16.28	16.34	16.00	16.32	16.05	0.0	16.70	18.14	18.28	18.25	18.40	18.39	0.0	18.80
		256QAM	1	1	16.09	16.07	16.24	16.14	16.07	0.0	16.70	18.17	18.29	18.37	18.38	18.27	0.0	18.80
	CP-OFDM	QPSK	1	1	16.35	16.05	16.08	16.10	16.28	0.0	16.70	18.25	18.34	18.31	18.21	18.27	0.0	18.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					501198	509898	518598	527298	535998			501198	509898	518598	527298	535998		
					2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz			2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz		
20	DFS-s OFDM	Pi/2 BPSK	1	1	16.06	16.27	16.39	16.06	16.24	0.0	16.70	18.06	18.44	18.19	18.01	17.98	0.0	18.80
			1	25	16.35	16.21	16.16	16.09	16.33	0.0	16.70	18.10	18.40	18.14	18.02	17.96	0.0	18.80
			1	49	16.07	16.34	16.37	16.07	16.02	0.0	16.70	18.28	18.16	18.15	18.28	18.26	0.0	18.80
			25	12	16.01	16.37	16.32	16.01	16.34	0.0	16.70	18.22	18.20	18.06	18.00	18.01	0.0	18.80
			50	0	16.39	16.02	16.34	16.35	16.32	0.0	16.70	18.39	18.27	18.08	18.03	18.11	0.0	18.80
		QPSK	1	1	16.32	16.39	16.20	16.30	16.35	0.0	16.70	18.38	18.39	18.14	18.15	18.12	0.0	18.80
			1	25	16.32	16.35	16.17	16.03	16.27	0.0	16.70	18.11	18.10	18.07	18.14	18.12	0.0	18.80
			1	49	16.31	16.27	16.12	16.27	16.35	0.0	16.70	18.26	18.16	18.11	18.05	18.07	0.0	18.80
			25	12	16.34	16.33	16.36	16.30	16.22	0.0	16.70	18.30	18.11	18.14	18.06	18.11	0.0	18.80
			50	0	16.02	16.37	16.37	16.36	16.33	0.0	16.70	18.28	18.23	18.07	18.06	18.12	0.0	18.80
		16QAM	1	1	16.30	16.29	16.06	16.10	15.96	0.0	16.70	18.34	18.30	18.18	18.05	17.88	0.0	18.80
		64QAM	1	1	16.30	16.34	16.39	16.25	16.20	0.0	16.70	18.39	18.44	18.42	18.26	18.39	0.0	18.80
		256QAM	1	1	16.25	16.36	16.23	16.28	16.30	0.0	16.70	18.41	18.30	18.40	18.40	18.31	0.0	18.80
	CP-OFDM	QPSK	1	1	16.23	16.28	16.34	16.19	16.23	0.0	16.70	18.41	18.44	18.34	18.15	18.05	0.0	18.80

NR Band 41 Measured Results (ANT3)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
100	DFS-s OFDM	PI/2 BPSK	1	1	22.91	0.0	23.30	18.31	0.0	18.80
			1	137	22.77	0.0	23.30	18.24	0.0	18.80
			1	271	22.52	0.0	23.30	18.20	0.0	18.80
			135	69	22.68	0.0	23.30	18.30	0.0	18.80
			270	0	22.67	0.0	23.30	18.30	0.0	18.80
		QPSK	1	1	22.49	0.0	23.30	18.27	0.0	18.80
			1	137	23.01	0.0	23.30	18.34	0.0	18.80
			1	271	22.83	0.0	23.30	18.07	0.0	18.80
			135	69	22.91	0.0	23.30	18.40	0.0	18.80
			270	0	22.82	0.0	23.30	18.30	0.0	18.80
		16QAM	1	1	22.32	0.0	23.30	18.22	0.0	18.80
		64QAM	1	1	21.86	1.1	22.20	18.17	0.0	18.80
		256QAM	1	1	19.76	3.1	20.20	18.15	0.0	18.80
	CP-OFDM	QPSK	1	1	22.67	0.0	23.30	18.21	0.0	18.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
90	DFS-s OFDM	PI/2 BPSK	1	1	22.71	0.0	23.30	18.25	0.0	18.80
			1	122	22.80	0.0	23.30	18.05	0.0	18.80
			1	243	22.74	0.0	23.30	18.18	0.0	18.80
			120	60	22.84	0.0	23.30	18.30	0.0	18.80
			243	0	22.90	0.0	23.30	18.28	0.0	18.80
		QPSK	1	1	22.41	0.0	23.30	18.32	0.0	18.80
			1	122	22.91	0.0	23.30	18.21	0.0	18.80
			1	243	22.95	0.0	23.30	18.17	0.0	18.80
			120	60	22.86	0.0	23.30	18.30	0.0	18.80
			243	0	22.82	0.0	23.30	18.29	0.0	18.80
		16QAM	1	1	22.35	0.0	23.30	18.24	0.0	18.80
		64QAM	1	1	21.68	1.1	22.20	18.21	0.0	18.80
		256QAM	1	1	19.74	3.1	20.20	18.33	0.0	18.80
	CP-OFDM	QPSK	1	1	22.85	0.0	23.30	18.23	0.0	18.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
80	DFS-s OFDM	PI/2 BPSK	1	1	22.94	0.0	23.30	18.34	0.0	18.80
			1	108	22.81	0.0	23.30	18.18	0.0	18.80
			1	215	22.90	0.0	23.30	18.19	0.0	18.80
			108	54	22.81	0.0	23.30	18.17	0.0	18.80
			216	0	22.80	0.0	23.30	18.19	0.0	18.80
		QPSK	1	1	22.41	0.0	23.30	18.34	0.0	18.80
			1	108	22.95	0.0	23.30	18.26	0.0	18.80
			1	215	22.85	0.0	23.30	18.09	0.0	18.80
			108	54	22.96	0.0	23.30	18.18	0.0	18.80
			216	0	22.77	0.0	23.30	18.22	0.0	18.80
		16QAM	1	1	22.28	0.0	23.30	18.17	0.0	18.80
		64QAM	1	1	21.77	1.1	22.20	18.26	0.0	18.80
		256QAM	1	1	19.70	3.1	20.20	18.34	0.0	18.80
	CP-OFDM	QPSK	1	1	22.73	0.0	23.30	18.31	0.0	18.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
60	DFS-s OFDM	PI/2 BPSK	1	1	22.86	0.0	23.30	18.31	0.0	18.80
			1	80	22.91	0.0	23.30	18.24	0.0	18.80
			1	160	22.85	0.0	23.30	18.22	0.0	18.80
			81	40	22.88	0.0	23.30	18.18	0.0	18.80
			162	0	22.87	0.0	23.30	18.21	0.0	18.80
		QPSK	1	1	22.80	0.0	23.30	18.18	0.0	18.80
			1	80	22.90	0.0	23.30	18.07	0.0	18.80
			1	160	22.81	0.0	23.30	18.08	0.0	18.80
			81	40	22.85	0.0	23.30	18.12	0.0	18.80
			162	0	22.88	0.0	23.30	18.16	0.0	18.80
		16QAM	1	1	22.86	0.0	23.30	18.34	0.0	18.80
		64QAM	1	1	21.64	1.1	22.20	18.14	0.0	18.80
		256QAM	1	1	19.84	3.1	20.20	18.10	0.0	18.80
	CP-OFDM	QPSK	1	1	22.89	0.0	23.30	17.96	0.0	18.80

NR Band 41 Measured Results (ANT3) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
							518598							518598				
							2593.00 MHz							2593.00 MHz				
50	DFS-s OFDM	PI/2 BPSK	1	1			22.85			0.0	23.30			18.23			0.0	18.80
			1	66			22.81			0.0	23.30			18.20			0.0	18.80
			1	131			22.89			0.0	23.30			18.30			0.0	18.80
			64	32			22.92			0.0	23.30			18.22			0.0	18.80
			128	0			22.91			0.0	23.30			18.18			0.0	18.80
		QPSK	1	1			22.87			0.0	23.30			18.27			0.0	18.80
			1	66			22.85			0.0	23.30			18.15			0.0	18.80
			1	131			22.83			0.0	23.30			18.22			0.0	18.80
			64	32			22.94			0.0	23.30			18.23			0.0	18.80
			128	0			22.77			0.0	23.30			18.18			0.0	18.80
		16QAM	1	1			22.85			0.0	23.30			18.29			0.0	18.80
		64QAM	1	1			21.68			1.1	22.20			18.09			0.0	18.80
		256QAM	1	1			19.79			3.1	20.20			18.16			0.0	18.80
	CP-OFDM	QPSK	1	1			22.86			0.0	23.30			18.31			0.0	18.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					503196	510900	518598	526296	533994			503196	510900	518598	526296	533994		
					2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz			2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz		
40	DFS-s OFDM	PI/2 BPSK	1	1	22.80	22.93	22.85	22.72	22.65	0.0	23.30	18.32	18.26	18.10	18.30	18.29	0.0	18.80
			1	53	22.80	22.74	22.92	22.82	22.90	0.0	23.30	18.34	18.29	18.24	18.17	18.13	0.0	18.80
			1	104	22.92	22.72	22.91	22.82	22.86	0.0	23.30	18.24	18.23	18.22	18.17	18.18	0.0	18.80
			50	28	22.88	22.80	22.90	22.69	22.81	0.0	23.30	18.18	18.32	18.26	18.19	18.15	0.0	18.80
			100	0	22.89	22.81	22.95	22.78	22.94	0.0	23.30	18.20	18.16	18.23	18.22	18.19	0.0	18.80
		QPSK	1	1	22.86	22.91	22.65	22.83	22.79	0.0	23.30	18.02	18.30	18.17	18.16	18.07	0.0	18.80
			1	53	22.79	22.77	22.96	22.53	22.79	0.0	23.30	18.31	18.32	18.15	18.33	18.10	0.0	18.80
			1	104	22.86	22.92	22.92	22.95	22.90	0.0	23.30	18.32	18.26	18.17	18.15	18.24	0.0	18.80
			50	28	22.96	22.77	22.96	22.80	22.91	0.0	23.30	18.17	18.34	18.22	18.18	18.13	0.0	18.80
			100	0	22.96	22.73	22.58	22.84	22.93	0.0	23.30	18.22	18.28	18.23	18.21	18.16	0.0	18.80
		16QAM	1	1	22.76	22.86	22.79	22.65	22.80	0.0	23.30	17.91	18.17	18.32	18.34	18.22	0.0	18.80
		64QAM	1	1	21.68	21.70	21.69	21.59	21.66	1.1	22.20	17.88	18.29	18.21	18.19	18.30	0.0	18.80
		256QAM	1	1	19.74	19.57	19.47	19.55	19.52	3.1	20.20	18.20	18.23	18.32	18.23	18.09	0.0	18.80
	CP-OFDM	QPSK	1	1	22.73	22.61	22.91	22.84	22.93	0.0	23.30	18.34	18.18	18.24	18.16	18.30	0.0	18.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					502200	510396	518598	526800	534996			502200	510396	518598	526800	534996		
					2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz			2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz		
30	DFS-s OFDM	PI/2 BPSK	1	1	22.96	22.60	22.78	22.85	22.77	0.0	23.30	18.33	18.18	18.14	17.97	18.10	0.0	18.80
			1	38	22.92	22.49	22.84	22.72	22.94	0.0	23.30	18.31	18.00	18.09	18.06	17.95	0.0	18.80
			1	76	22.79	22.50	22.80	22.80	22.78	0.0	23.30	18.21	17.87	18.04	18.21	17.93	0.0	18.80
			36	18	22.76	22.42	22.95	22.71	22.84	0.0	23.30	18.34	17.87	17.90	18.06	17.94	0.0	18.80
			75	0	22.79	22.47	22.90	22.77	22.92	0.0	23.30	18.33	17.92	17.93	18.06	17.95	0.0	18.80
		QPSK	1	1	22.96	22.52	22.95	22.82	22.79	0.0	23.30	17.88	18.10	18.18	18.23	18.09	0.0	18.80
			1	38	22.85	22.51	22.88	22.62	22.91	0.0	23.30	18.06	18.08	17.83	17.99	17.76	0.0	18.80
			1	76	22.93	22.46	22.80	22.75	22.89	0.0	23.30	18.16	18.04	17.95	18.11	18.10	0.0	18.80
			36	18	22.79	22.46	22.90	22.75	22.88	0.0	23.30	18.10	17.89	17.92	17.97	18.04	0.0	18.80
			75	0	22.73	22.49	22.78	22.77	22.91	0.0	23.30	18.15	17.90	17.94	18.14	17.93	0.0	18.80
		16QAM	1	1	22.48	22.47	22.79	22.88	22.93	0.0	23.30	17.95	18.05	18.04	18.21	18.26	0.0	18.80
		64QAM	1	1	21.76	21.61	21.73	21.61	21.85	1.1	22.20	17.87	18.14	18.17	18.20	18.14	0.0	18.80
		256QAM	1	1	19.86	19.86	19.74	19.67	19.75	3.1	20.20	17.88	17.90	17.92	17.93	17.40	0.0	18.80
	CP-OFDM	QPSK	1	1	22.42	22.82	22.80	22.86	22.86	0.0	23.30	18.16	17.99	18.33	18.14	18.08	0.0	18.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					501198	509898	518598	527298	535998			501198	509898	518598	527298	535998		
					2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz			2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	22.66	22.96	22.89	22.94	22.68	0.0	23.30	17.91	18.18	18.19	17.97	17.81	0.0	18.80
			1	25	22.77	22.87	22.88	22.81	22.90	0.0	23.30	18.29	18.16	18.02	17.76	17.88	0.0	18.80
			1	49	22.77	22.77	22.85	22.81	22.80	0.0	23.30	18.09	18.25	18.07	18.06	17.94	0.0	18.80
			25	12	22.96	22.78	22.81	22.78	22.91	0.0	23.30	18.28	18.21	18.16	18.00	17.86	0.0	18.80
			50	0	22.78	22.78	22.95	22.93	22.86	0.0	23.30	18.34	18.31	18.16	18.06	17.85	0.0	18.80
		QPSK	1	1	22.60	22.90	22.78	22.83	22.88	0.0	23.30	17.90	18.17	18.20	18.00	17.79	0.0	18.80
			1	25	22.89	22.69	22.91	22.70	22.80	0.0	23.30	18.25	18.25	18.13	18.04	17.89	0.0	18.80
			1	49	22.96	22.61	22.85	22.89	22.51	0.0	23.30	18.27	18.22	18.06	17.98	17.86	0.0	18.80
			25	12	22.79	22.93	22.81	22.92	22.85	0.0	23.30	18.31	18.26	18.16	17.98	17.86	0.0	18.80
			50	0	22.96	22.77	22.90	22.91	22.88	0.0	23.30	18.15	18.24	18.19	18.00	17.86	0.0	18.80
		16QAM	1	1	22.74	22.87	22.85	22.61	22.84	0.0	23.30	18.00	18.17	18.31	17.94	17.87	0.0	18.80
		64QAM	1	1	21.69	21.86	21.72	21.83	21.80	1.1	22.20	17.89	18.30	18.17	17.86	17.97	0.0	18.80
		256QAM	1	1	19.64	19.75	19.67	19.62	19.74	3.1	20.20	17.88	18.23	17.96	17.79	17.89	0.0	18.80
	CP-OFDM	QPSK	1	1	22.50	22.90	22.96	22.83	22.85	0.0	23.30	18.26	18.18	18.32	18.21	18.18	0.0	18.80

NR Band 41 Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
100	DFS-s OFDM	PI/2 BPSK	1	1	17.34	0.0	17.80	19.16	0.0	19.50
			1	137	17.43	0.0	17.80	19.11	0.0	19.50
			1	271	17.34	0.0	17.80	19.10	0.0	19.50
			135	69	17.42	0.0	17.80	19.11	0.0	19.50
			270	0	17.43	0.0	17.80	19.18	0.0	19.50
		QPSK	1	1	17.35	0.0	17.80	19.16	0.0	19.50
			1	137	17.36	0.0	17.80	19.20	0.0	19.50
			1	271	17.34	0.0	17.80	19.16	0.0	19.50
			135	69	17.48	0.0	17.80	19.20	0.0	19.50
			270	0	17.43	0.0	17.80	19.17	0.0	19.50
		16QAM	1	1	17.34	0.0	17.80	19.15	0.0	19.50
		64QAM	1	1	17.23	0.0	17.80	19.14	0.0	19.50
		256QAM	1	1	17.16	0.0	17.80	19.09	0.0	19.50
	CP-OFDM	QPSK	1	1	17.33	0.0	17.80	19.15	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
90	DFS-s OFDM	PI/2 BPSK	1	1	17.40	0.0	17.80	19.18	0.0	19.50
			1	122	17.42	0.0	17.80	19.18	0.0	19.50
			1	243	17.42	0.0	17.80	19.10	0.0	19.50
			120	60	17.37	0.0	17.80	19.10	0.0	19.50
			243	0	17.40	0.0	17.80	19.11	0.0	19.50
		QPSK	1	1	17.35	0.0	17.80	19.10	0.0	19.50
			1	122	17.34	0.0	17.80	19.10	0.0	19.50
			1	243	17.35	0.0	17.80	19.14	0.0	19.50
			120	60	17.38	0.0	17.80	19.11	0.0	19.50
			243	0	17.39	0.0	17.80	19.18	0.0	19.50
		16QAM	1	1	17.34	0.0	17.80	19.15	0.0	19.50
		64QAM	1	1	17.24	0.0	17.80	19.15	0.0	19.50
		256QAM	1	1	17.16	0.0	17.80	19.08	0.0	19.50
	CP-OFDM	QPSK	1	1	17.34	0.0	17.80	19.15	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
80	DFS-s OFDM	PI/2 BPSK	1	1	17.37	0.0	17.80	19.15	0.0	19.50
			1	108	17.35	0.0	17.80	19.13	0.0	19.50
			1	215	17.36	0.0	17.80	19.10	0.0	19.50
			108	54	17.39	0.0	17.80	19.15	0.0	19.50
			216	0	17.39	0.0	17.80	19.18	0.0	19.50
		QPSK	1	1	17.39	0.0	17.80	19.09	0.0	19.50
			1	108	17.37	0.0	17.80	19.14	0.0	19.50
			1	215	17.34	0.0	17.80	19.13	0.0	19.50
			108	54	17.39	0.0	17.80	19.18	0.0	19.50
			216	0	17.39	0.0	17.80	19.09	0.0	19.50
		16QAM	1	1	17.35	0.0	17.80	19.11	0.0	19.50
		64QAM	1	1	17.28	0.0	17.80	19.10	0.0	19.50
		256QAM	1	1	17.15	0.0	17.80	19.08	0.0	19.50
	CP-OFDM	QPSK	1	1	17.34	0.0	17.80	19.13	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518598	MPR	Tune-up Limit	518598	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
60	DFS-s OFDM	PI/2 BPSK	1	1	17.37	0.0	17.80	19.17	0.0	19.50
			1	80	17.38	0.0	17.80	19.13	0.0	19.50
			1	160	17.38	0.0	17.80	19.10	0.0	19.50
			81	40	17.38	0.0	17.80	19.12	0.0	19.50
			162	0	17.40	0.0	17.80	19.15	0.0	19.50
		QPSK	1	1	17.36	0.0	17.80	19.09	0.0	19.50
			1	80	17.38	0.0	17.80	19.15	0.0	19.50
			1	160	17.34	0.0	17.80	19.12	0.0	19.50
			81	40	17.42	0.0	17.80	19.16	0.0	19.50
			162	0	17.43	0.0	17.80	19.18	0.0	19.50
		16QAM	1	1	17.36	0.0	17.80	19.15	0.0	19.50
		64QAM	1	1	17.26	0.0	17.80	19.13	0.0	19.50
		256QAM	1	1	17.16	0.0	17.80	19.09	0.0	19.50
	CP-OFDM	QPSK	1	1	17.34	0.0	17.80	19.15	0.0	19.50

NR Band 41 Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
							518598							518598				
							2593.00 MHz							2593.00 MHz				
50	DFS-s OFDM	Pi/2 BPSK	1	1			17.38			0.0	17.80			19.06			0.0	19.50
			1	66			17.24			0.0	17.80			18.97			0.0	19.50
			1	131			17.35			0.0	17.80			19.15			0.0	19.50
			64	32			17.27			0.0	17.80			19.00			0.0	19.50
			128	0			17.28			0.0	17.80			19.00			0.0	19.50
		QPSK	1	1			17.35			0.0	17.80			19.13			0.0	19.50
			1	66			17.37			0.0	17.80			19.07			0.0	19.50
			1	131			17.29			0.0	17.80			19.18			0.0	19.50
			64	32			17.25			0.0	17.80			19.03			0.0	19.50
			128	0			17.27			0.0	17.80			19.03			0.0	19.50
		16QAM	1	1			17.34			0.0	17.80			19.15			0.0	19.50
		64QAM	1	1			17.26			0.0	17.80			19.13			0.0	19.50
		256QAM	1	1			17.18			0.0	17.80			19.11			0.0	19.50
	CP-OFDM	QPSK	1	1			17.36			0.0	17.80			19.12			0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					503196	510900	518598	526296	533994			503196	510900	518598	526296	533994		
					2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz			2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz		
40	DFS-s OFDM	Pi/2 BPSK	1	1	17.13	17.19	17.25	17.29	17.26	0.0	17.80	18.99	19.05	18.95	18.95	19.09	0.0	19.50
			1	53	17.39	17.22	17.20	17.13	17.25	0.0	17.80	18.96	18.91	18.72	18.87	19.03	0.0	19.50
			1	104	17.17	17.31	17.27	17.23	17.28	0.0	17.80	19.04	18.96	18.94	19.13	19.13	0.0	19.50
			50	28	17.27	17.21	17.15	17.25	17.18	0.0	17.80	18.91	18.97	18.78	18.91	19.02	0.0	19.50
			100	0	17.31	17.24	17.22	17.21	17.20	0.0	17.80	18.92	18.96	18.78	18.93	19.05	0.0	19.50
		QPSK	1	1	17.22	17.19	17.15	17.22	17.27	0.0	17.80	19.01	19.17	19.01	19.01	19.11	0.0	19.50
			1	53	17.22	17.16	17.24	17.27	17.24	0.0	17.80	19.00	18.98	19.02	18.96	19.07	0.0	19.50
			1	104	17.20	17.21	17.22	17.18	17.28	0.0	17.80	19.17	19.01	19.04	19.17	19.12	0.0	19.50
			50	28	17.19	17.17	17.13	17.26	17.30	0.0	17.80	18.92	18.92	18.83	18.89	19.01	0.0	19.50
			100	0	17.16	17.18	17.18	17.21	17.18	0.0	17.80	18.91	18.94	18.83	18.94	19.05	0.0	19.50
		16QAM	1	1	17.14	17.12	17.12	17.20	17.17	0.0	17.80	19.02	19.03	19.00	18.98	19.00	0.0	19.50
		64QAM	1	1	17.22	17.15	17.11	17.23	17.14	0.0	17.80	19.06	19.03	18.97	18.96	18.95	0.0	19.50
		256QAM	1	1	17.16	17.13	17.13	17.18	17.13	0.0	17.80	18.94	18.93	18.90	19.00	19.02	0.0	19.50
	CP-OFDM	QPSK	1	1	17.27	17.20	17.17	17.19	17.19	0.0	17.80	18.98	19.02	18.94	19.05	18.98	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					502200	510396	518598	526800	534996			502200	510396	518598	526800	534996		
					2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz			2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz		
30	DFS-s OFDM	Pi/2 BPSK	1	1	17.20	17.28	17.25	17.24	17.24	0.0	17.80	19.09	19.08	19.02	19.10	19.10	0.0	19.50
			1	38	17.12	17.15	17.22	17.22	17.25	0.0	17.80	19.13	19.11	19.03	19.00	19.05	0.0	19.50
			1	76	17.13	17.22	17.27	17.18	17.27	0.0	17.80	19.02	19.07	19.03	19.13	19.08	0.0	19.50
			36	18	17.11	17.26	17.16	17.13	17.20	0.0	17.80	19.11	19.03	18.82	19.12	19.09	0.0	19.50
			75	0	17.15	17.27	17.18	17.14	17.21	0.0	17.80	19.05	19.03	18.92	19.10	19.07	0.0	19.50
		QPSK	1	1	17.16	17.13	17.26	17.26	17.18	0.0	17.80	19.09	19.16	19.06	19.10	19.05	0.0	19.50
			1	38	17.21	17.22	17.27	17.28	17.28	0.0	17.80	19.12	19.16	19.00	19.08	19.11	0.0	19.50
			1	76	17.23	17.22	17.30	17.29	17.23	0.0	17.80	19.18	19.08	19.05	19.12	19.09	0.0	19.50
			36	18	17.24	17.19	17.13	17.19	17.16	0.0	17.80	19.08	19.03	18.86	19.04	19.05	0.0	19.50
			75	0	17.18	17.18	17.24	17.15	17.23	0.0	17.80	19.04	19.03	18.85	19.05	19.03	0.0	19.50
		16QAM	1	1	17.12	17.09	17.08	17.19	17.14	0.0	17.80	19.12	19.18	19.12	19.18	19.13	0.0	19.50
		64QAM	1	1	17.18	17.12	17.08	17.20	17.11	0.0	17.80	19.10	19.14	19.11	19.16	19.14	0.0	19.50
		256QAM	1	1	17.15	17.10	17.05	17.15	17.10	0.0	17.80	19.09	19.11	19.09	19.11	19.10	0.0	19.50
	CP-OFDM	QPSK	1	1	17.24	17.17	17.14	17.13	17.08	0.0	17.80	19.16	19.12	19.10	19.13	19.16	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					501198	509898	518598	527298	535998			501198	509898	518598	527298	535998		
					2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz			2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz		
20	DFS-s OFDM	Pi/2 BPSK	1	1	17.18	17.25	17.13	17.15	17.24	0.0	17.80	19.11	19.01	18.96	19.12	19.03	0.0	19.50
			1	25	17.13	17.26	17.12	17.18	17.16	0.0	17.80	19.02	18.91	18.99	19.04	19.01	0.0	19.50
			1	49	17.20	17.28	17.23	17.25	17.18	0.0	17.80	18.95	19.03	18.91	18.98	18.90	0.0	19.50
			25	12	17.21	17.20	17.12	17.25	17.27	0.0	17.80	19.02	19.02	18.94	18.91	19.09	0.0	19.50
			50	0	17.18	17.25	17.06	17.24	17.27	0.0	17.80	19.03	19.01	18.94	19.05	19.03	0.0	19.50
		QPSK	1	1	17.18	17.14	17.21	17.27	17.25	0.0	17.80	18.99	19.01	18.96	19.14	18.98	0.0	19.50
			1	25	17.15	17.14	17.23	17.11	17.13	0.0	17.80	19.03	19.01	18.95	18.94	18.93	0.0	19.50
			1	49	17.28	17.26	17.21	17.24	17.17	0.0	17.80	18.91	18.91	18.88	18.98	19.00	0.0	19.50
			25	12	17.17	17.25	17.14	17.23	17.15	0.0	17.80	18.98	19.00	18.92	19.03	18.96	0.0	19.50
			50	0	17.22	17.25	17.18	17.27	17.26	0.0	17.80	19.02	19.06	18.96	18.99	19.03	0.0	19.50
		16QAM	1	1	17.11	17.24	17.22	17.21	17.19	0.0	17.80	19.11	19.14	19.06	19.12	19.13	0.0	19.50
		64QAM	1	1	17.11	17.13	17.17	17.19	17.21	0.0	17.80	19.05	19.11	19.04	19.11	19.12	0.0	19.50
		256QAM	1	1	17.10	17.19	17.24	17.15	17.24	0.0	17.80	19.02	19.06	19.01	19.10	19.08	0.0	19.50
	CP-OFDM	QPSK	1	1	17.06	17.09	17.13	17.10	17.14	0.0	17.80	19.13	19.04	18.92	19.13	19.10	0.0	19.50

NR Band 66 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					349000	MPR	Tune-up Limit		349000	MPR	Tune-up Limit	
					1745 MHz				1745 MHz			
40	DFS-s OFDM	PI/2 BPSK	1	1	22.74	0.0	23.70		19.71	0.0	20.50	
			1	107	22.80	0.0	23.70		19.55	0.0	20.50	
			1	214	22.65	0.0	23.70		19.80	0.0	20.50	
			108	54	22.53	0.0	23.70		19.73	0.0	20.50	
			216	0	22.57	0.5	23.20		19.75	0.0	20.50	
		QPSK	1	1	22.63	0.0	23.70		19.76	0.0	20.50	
			1	107	23.18	0.0	23.70		19.93	0.0	20.50	
			1	214	22.70	0.0	23.70		19.92	0.0	20.50	
			108	54	22.58	0.0	23.70		19.93	0.0	20.50	
			216	0	21.63	1.0	22.70		19.81	0.0	20.50	
		16QAM	1	1	22.05	1.0	22.70		19.80	0.0	20.50	
		64QAM	1	1	20.59	2.5	21.20		19.85	0.0	20.50	
		256QAM	1	1	18.54	4.5	19.20		18.60	1.3	19.20	
	CP-OFDM	QPSK	1	1	21.73	1.5	22.20		19.85	0.0	20.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					349000	MPR	Tune-up Limit		349000	MPR	Tune-up Limit	
					1745 MHz				1745 MHz			
30	DFS-s OFDM	PI/2 BPSK	1	1	22.86	0.0	23.70		19.66	0.0	20.50	
			1	79	22.72	0.0	23.70		19.58	0.0	20.50	
			1	158	22.63	0.0	23.70		19.85	0.0	20.50	
			80	40	22.66	0.0	23.70		19.54	0.0	20.50	
			160	0	22.61	0.5	23.20		19.57	0.0	20.50	
		QPSK	1	1	22.79	0.0	23.70		19.74	0.0	20.50	
			1	79	22.67	0.0	23.70		19.66	0.0	20.50	
			1	158	22.94	0.0	23.70		19.74	0.0	20.50	
			80	40	22.63	0.0	23.70		19.65	0.0	20.50	
			160	0	22.15	1.0	22.70		19.61	0.0	20.50	
		16QAM	1	1	22.18	1.0	22.70		19.84	0.0	20.50	
		64QAM	1	1	20.43	2.5	21.20		19.85	0.0	20.50	
		256QAM	1	1	18.56	4.5	19.20		18.67	1.3	19.20	
	CP-OFDM	QPSK	1	1	21.69	1.5	22.20		19.66	0.0	20.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					344000	349000	354000	MPR	Tune-up Limit	344000	349000	354000	MPR	Tune-up Limit
					1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	24.36	24.36	24.36	0.0	25.00	19.85	19.57	19.66	0.0	20.50
			1	53	24.51	24.34	24.36	0.0	25.00	19.83	19.40	19.65	0.0	20.50
			1	104	24.52	24.41	24.42	0.0	25.00	19.36	19.48	19.45	0.0	20.50
			50	28	24.35	24.49	24.43	0.0	25.00	19.54	19.45	19.47	0.0	20.50
			100	0	24.40	24.39	24.43	0.0	25.00	19.64	19.39	19.38	0.0	20.50
		QPSK	1	1	24.35	24.46	24.34	0.0	25.00	19.66	19.33	19.37	0.0	20.50
			1	53	24.43	24.53	24.43	0.0	25.00	19.83	19.33	20.05	0.0	20.50
			1	104	24.39	24.33	24.37	0.0	25.00	19.71	19.47	19.50	0.0	20.50
			50	28	24.38	24.45	24.52	0.0	25.00	19.59	20.05	19.40	0.0	20.50
			100	0	23.64	23.48	23.45	0.3	24.70	19.60	19.51	19.41	0.0	20.50
		16QAM	1	1	23.95	24.11	23.89	0.3	24.70	19.93	19.82	19.68	0.0	20.50
		64QAM	1	1	22.61	22.48	22.42	1.8	23.20	20.02	19.99	19.79	0.0	20.50
		256QAM	1	1	20.73	20.61	20.62	3.8	21.20	19.93	19.82	20.00	0.0	20.50
	CP-OFDM	QPSK	1	1	23.32	23.43	23.31	0.8	24.20	19.71	19.89	19.63	0.0	20.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500	349000	354500	MPR	Tune-up Limit	343500	349000	354500	MPR	Tune-up Limit
					1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15	DFS-s OFDM	PI/2 BPSK	1	1	24.50	24.39	24.46	0.0	25.00	19.61	19.44	19.71	0.0	20.50
			1	40	24.52	24.43	24.51	0.0	25.00	19.47	19.10	19.56	0.0	20.50
			1	77	24.46	24.35	24.34	0.0	25.00	19.89	19.65	19.33	0.0	20.50
			36	18	24.47	24.36	24.37	0.0	25.00	19.40	19.41	19.35	0.0	20.50
			75	0	24.34	24.44	24.39	0.0	25.00	19.54	19.37	19.52	0.0	20.50
		QPSK	1	1	24.43	24.34	24.47	0.0	25.00	19.65	19.59	19.53	0.0	20.50
			1	40	24.47	24.44	24.47	0.0	25.00	19.36	19.52	19.50	0.0	20.50
			1	77	24.47	24.36	24.47	0.0	25.00	19.57	19.35	19.59	0.0	20.50
			36	18	24.37	24.50	24.36	0.0	25.00	19.43	19.51	19.45	0.0	20.50
			75	0	23.58	23.55	23.50	0.3	24.70	19.55	19.50	19.49	0.0	20.50
		16QAM	1	1	23.92	24.08	24.05	0.3	24.70	19.78	19.81	19.84	0.0	20.50
		64QAM	1	1	22.66	22.43	22.34	1.8	23.20	19.94	19.82	19.74	0.0	20.50
		256QAM	1	1	20.59	20.55	20.64	3.8	21.20	19.90	19.82	19.79	0.0	20.50
	CP-OFDM	QPSK	1	1	23.41	23.48	23.60	0.8	24.20	19.88	19.78	19.86	0.0	20.50

NR Band 66 Measured Results (ANT1) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	24.52	24.43	24.39	0.0	25.00	19.73	19.59	19.53	0.0	20.50
			1	25	24.49	24.49	24.40	0.0	25.00	18.88	19.52	19.55	0.0	20.50
			1	50	24.39	24.42	24.51	0.0	25.00	19.60	19.54	19.48	0.0	20.50
			25	12	24.44	24.52	24.53	0.0	25.00	19.59	19.43	19.55	0.0	20.50
			50	0	24.35	24.48	24.36	0.0	25.00	19.51	19.54	19.46	0.0	20.50
		QPSK	1	1	24.44	24.44	24.19	0.0	25.00	19.76	19.39	19.52	0.0	20.50
			1	25	24.51	24.49	24.36	0.0	25.00	19.76	19.35	19.46	0.0	20.50
			1	50	24.39	24.39	24.46	0.0	25.00	19.54	19.57	19.36	0.0	20.50
			25	12	24.34	24.35	24.45	0.0	25.00	19.56	19.50	19.59	0.0	20.50
			50	0	23.65	23.51	23.53	0.3	24.70	19.64	19.55	19.40	0.0	20.50
		16QAM	1	1	24.03	24.00	23.94	0.3	24.70	19.78	19.94	19.72	0.0	20.50
		64QAM	1	1	22.49	22.55	22.63	1.8	23.20	19.78	19.68	19.92	0.0	20.50
		256QAM	1	1	20.64	20.56	20.68	3.8	21.20	20.01	19.63	19.69	0.0	20.50
	CP-OFDM	QPSK	1	1	23.39	23.40	23.11	0.8	24.20	19.87	19.75	19.69	0.0	20.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					342500	349000	355500	MPR	Tune-up Limit	342500	349000	355500	MPR	Tune-up Limit
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	24.49	24.37	24.37	0.0	25.00	19.44	19.50	19.09	0.0	20.50
			1	12	24.40	24.43	24.39	0.0	25.00	19.40	19.40	19.36	0.0	20.50
			1	23	24.48	24.50	24.22	0.0	25.00	19.44	19.34	19.34	0.0	20.50
			12	6	24.45	24.53	24.52	0.0	25.00	19.60	19.47	19.50	0.0	20.50
			25	0	24.47	24.48	24.40	0.0	25.00	19.48	19.44	19.36	0.0	20.50
		QPSK	1	1	24.53	24.49	24.26	0.0	25.00	19.47	19.43	19.66	0.0	20.50
			1	12	24.47	24.40	24.35	0.0	25.00	19.67	19.58	19.72	0.0	20.50
			1	23	24.49	24.41	24.50	0.0	25.00	19.55	19.39	19.37	0.0	20.50
			12	6	24.44	24.37	24.53	0.0	25.00	19.62	19.53	19.48	0.0	20.50
			25	0	23.65	23.50	23.48	0.3	24.70	19.60	19.52	19.41	0.0	20.50
		16QAM	1	1	24.03	23.99	24.00	0.3	24.70	19.74	19.91	19.76	0.0	20.50
		64QAM	1	1	22.51	22.49	22.49	1.8	23.20	19.71	19.75	19.65	0.0	20.50
		256QAM	1	1	20.57	20.44	20.36	3.8	21.20	19.75	19.78	19.73	0.0	20.50
	CP-OFDM	QPSK	1	1	23.50	23.38	23.39	0.8	24.20	19.72	19.64	19.57	0.0	20.50

NR Band 66 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit
40	DFS-s OFDM	PI/2 BPSK	1	1		17.09		0.0	17.60		17.90		0.0	18.30
			1	107		17.09		0.0	17.60		17.86		0.0	18.30
			1	214		17.21		0.0	17.60		17.77		0.0	18.30
			108	54		17.11		0.0	17.60		17.87		0.0	18.30
			216	0		17.28		0.0	17.60		17.92		0.0	18.30
		QPSK	1	1		17.17		0.0	17.60		17.82		0.0	18.30
			1	107		17.20		0.0	17.60		18.08		0.0	18.30
			1	214		17.11		0.0	17.60		17.90		0.0	18.30
			108	54		17.37		0.0	17.60		18.08		0.0	18.30
			216	0		17.14		0.0	17.60		18.08		0.0	18.30
		16QAM	1	1		17.21		0.0	17.60		17.78		0.0	18.30
		64QAM	1	1		17.16		0.0	17.60		17.89		0.0	18.30
		256QAM	1	1		16.80		0.4	17.20		16.85		1.1	17.20
	CP-OFDM	QPSK	1	1		17.13		0.0	17.60		17.93		0.0	18.30

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit
30	DFS-s OFDM	PI/2 BPSK	1	1		17.13		0.0	17.60		17.80		0.0	18.30
			1	79		17.27		0.0	17.60		17.65		0.0	18.30
			1	158		17.24		0.0	17.60		17.83		0.0	18.30
			80	40		17.04		0.0	17.60		17.75		0.0	18.30
			160	0		17.13		0.0	17.60		17.78		0.0	18.30
		QPSK	1	1		17.21		0.0	17.60		17.82		0.0	18.30
			1	79		17.09		0.0	17.60		17.88		0.0	18.30
			1	158		17.10		0.0	17.60		17.84		0.0	18.30
			80	40		17.05		0.0	17.60		17.71		0.0	18.30
			160	0		17.15		0.0	17.60		17.79		0.0	18.30
		16QAM	1	1		17.27		0.0	17.60		17.88		0.0	18.30
		64QAM	1	1		17.25		0.0	17.60		17.87		0.0	18.30
		256QAM	1	1		16.84		0.4	17.20		16.81		1.1	17.20
	CP-OFDM	QPSK	1	1		17.09		0.0	17.60		17.88		0.0	18.30

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					344000 1720 MHz	349000 1745 MHz	354000 1770 MHz	MPR	Tune-up Limit	344000 1720 MHz	349000 1745 MHz	354000 1770 MHz	MPR	Tune-up Limit
20	DFS-s OFDM	PI/2 BPSK	1	1	17.05	17.21	17.02	0.0	17.60	17.72	17.75	17.61	0.0	18.30
			1	53	17.04	16.98	17.01	0.0	17.60	17.71	17.78	17.77	0.0	18.30
			1	104	17.22	17.05	17.14	0.0	17.60	17.58	17.79	17.81	0.0	18.30
			50	28	17.06	17.04	16.95	0.0	17.60	17.83	17.77	17.84	0.0	18.30
			100	0	17.08	17.05	17.03	0.0	17.60	17.73	17.78	17.79	0.0	18.30
		QPSK	1	1	16.93	17.13	17.09	0.0	17.60	17.92	17.85	17.65	0.0	18.30
			1	53	16.98	17.18	17.25	0.0	17.60	17.79	17.95	17.95	0.0	18.30
			1	104	17.07	17.27	17.05	0.0	17.60	17.88	17.92	17.72	0.0	18.30
			50	28	17.28	17.03	17.04	0.0	17.60	17.68	17.95	17.85	0.0	18.30
			100	0	17.04	17.00	17.07	0.0	17.60	17.81	17.95	17.82	0.0	18.30
		16QAM	1	1	17.26	17.27	17.05	0.0	17.60	17.92	17.74	17.65	0.0	18.30
		64QAM	1	1	17.23	17.18	17.01	0.0	17.60	17.87	17.89	17.85	0.0	18.30
		256QAM	1	1	17.21	17.27	17.24	0.0	17.60	17.92	17.77	17.88	0.0	18.30
	CP-OFDM	QPSK	1	1	17.12	17.08	16.93	0.0	17.60	17.80	17.86	17.93	0.0	18.30

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500 1717.5 MHz	349000 1745 MHz	354500 1772.5 MHz	MPR	Tune-up Limit	343500 1717.5 MHz	349000 1745 MHz	354500 1772.5 MHz	MPR	Tune-up Limit
15	DFS-s OFDM	PI/2 BPSK	1	1	17.09	17.05	17.01	0.0	17.60	17.80	17.69	17.89	0.0	18.30
			1	39	17.10	17.11	17.09	0.0	17.60	17.71	17.61	17.63	0.0	18.30
			1	77	17.09	17.10	17.26	0.0	17.60	17.81	17.79	17.83	0.0	18.30
			36	18	17.12	16.93	17.06	0.0	17.60	17.71	17.71	17.76	0.0	18.30
			75	0	17.17	16.98	17.11	0.0	17.60	17.77	17.70	17.76	0.0	18.30
		QPSK	1	1	17.23	17.26	17.25	0.0	17.60	17.80	17.88	17.85	0.0	18.30
			1	39	17.13	17.10	17.22	0.0	17.60	17.87	17.73	17.93	0.0	18.30
			1	77	17.23	17.17	17.18	0.0	17.60	17.80	17.88	17.79	0.0	18.30
			36	18	17.16	16.98	17.11	0.0	17.60	17.71	17.64	17.83	0.0	18.30
			75	0	17.25	16.99	17.17	0.0	17.60	17.75	17.75	17.83	0.0	18.30
		16QAM	1	1	17.28	17.22	16.99	0.0	17.60	17.67	17.49	17.69	0.0	18.30
		64QAM	1	1	17.20	16.92	17.23	0.0	17.60	17.92	17.95	17.87	0.0	18.30
		256QAM	1	1	17.15	17.25	17.20	0.0	17.60	17.88	17.86	17.95	0.0	18.30
	CP-OFDM	QPSK	1	1	17.26	16.92	16.85	0.0	17.60	17.82	17.79	17.88	0.0	18.30

NR Band 66 Measured Results (ANT2) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	17.22	17.20	17.08	0.0	17.60	17.66	17.92	17.89	0.0	18.30
			1	25	17.19	17.07	17.19	0.0	17.60	17.81	17.94	17.59	0.0	18.30
			1	50	17.14	17.17	17.09	0.0	17.60	17.67	17.79	17.84	0.0	18.30
			25	12	17.23	17.09	17.03	0.0	17.60	17.85	17.78	17.81	0.0	18.30
			50	0	17.19	17.11	17.08	0.0	17.60	17.84	17.76	17.83	0.0	18.30
		QPSK	1	1	17.18	17.11	17.13	0.0	17.60	17.93	17.77	17.91	0.0	18.30
			1	25	17.24	17.26	17.23	0.0	17.60	17.78	17.78	17.81	0.0	18.30
			1	50	17.15	17.18	17.09	0.0	17.60	17.94	17.84	17.89	0.0	18.30
			25	12	17.24	17.14	17.14	0.0	17.60	17.82	17.80	17.80	0.0	18.30
			50	0	17.23	17.15	17.11	0.0	17.60	17.88	17.77	17.83	0.0	18.30
		16QAM	1	1	17.19	17.01	17.15	0.0	17.60	17.89	17.75	17.75	0.0	18.30
		64QAM	1	1	16.99	17.12	17.20	0.0	17.60	17.92	17.89	17.89	0.0	18.30
		256QAM	1	1	17.16	16.88	17.18	0.0	17.60	17.88	17.77	17.86	0.0	18.30
	CP-OFDM	QPSK	1	1	17.14	17.00	16.92	0.0	17.60	17.86	17.75	17.74	0.0	18.30
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					342500	349000	355500	MPR	Tune-up Limit	342500	349000	355500	MPR	Tune-up Limit
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	17.03	16.99	17.14	0.0	17.60	17.87	17.65	17.74	0.0	18.30
			1	12	17.24	17.18	17.10	0.0	17.60	17.87	17.84	17.82	0.0	18.30
			1	23	17.13	16.88	17.10	0.0	17.60	17.64	17.77	17.60	0.0	18.30
			12	6	17.22	17.08	17.06	0.0	17.60	17.77	17.76	17.83	0.0	18.30
			25	0	17.17	17.06	17.07	0.0	17.60	17.75	17.73	17.74	0.0	18.30
		QPSK	1	1	17.28	17.12	17.27	0.0	17.60	17.87	17.90	17.83	0.0	18.30
			1	12	17.28	17.16	17.22	0.0	17.60	17.95	17.95	17.91	0.0	18.30
			1	23	17.15	17.16	17.09	0.0	17.60	17.93	17.84	17.93	0.0	18.30
			12	6	17.23	17.08	17.12	0.0	17.60	17.80	17.74	17.80	0.0	18.30
			25	0	17.20	17.06	17.08	0.0	17.60	17.80	17.73	17.77	0.0	18.30
		16QAM	1	1	17.23	16.80	17.15	0.0	17.60	17.67	17.76	17.80	0.0	18.30
		64QAM	1	1	17.22	16.78	17.18	0.0	17.60	17.79	17.85	17.91	0.0	18.30
		256QAM	1	1	17.15	17.27	17.23	0.0	17.60	17.90	17.89	17.92	0.0	18.30
	CP-OFDM	QPSK	1	1	17.13	16.91	16.87	0.0	17.60	17.61	17.77	17.84	0.0	18.30

NR Band 66 Measured Results (ANT3)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					349000	MPR	Tune-up Limit		349000	MPR	Tune-up Limit	
					1745 MHz				1745 MHz			
40	DFS-s OFDM	PI/2 BPSK	1	1	22.38	0.0	23.20		21.02	0.0	21.50	
			1	107	22.29	0.0	23.20		21.18	0.0	21.50	
			1	214	22.13	0.0	23.20		21.18	0.0	21.50	
			108	54	22.29	0.0	23.20		21.18	0.0	21.50	
			216	0	21.82	0.5	22.70		21.21	0.0	21.50	
		QPSK	1	1	22.29	0.0	23.20		21.03	0.0	21.50	
			1	107	22.55	0.0	23.20		21.13	0.0	21.50	
			1	214	22.49	0.0	23.20		21.19	0.0	21.50	
			108	54	22.44	0.0	23.20		21.21	0.0	21.50	
			216	0	21.41	1.0	22.20		21.14	0.0	21.50	
		16QAM	1	1	21.40	1.0	22.20		21.14	0.0	21.50	
		64QAM	1	1	19.96	2.5	20.70		20.37	0.8	20.70	
		256QAM	1	1	18.01	4.5	18.70		18.28	2.8	18.70	
	CP-OFDM	QPSK	1	1	20.82	1.5	21.70		21.21	0.0	21.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					349000	MPR	Tune-up Limit		349000	MPR	Tune-up Limit	
					1745 MHz				1745 MHz			
30	DFS-s OFDM	PI/2 BPSK	1	1	22.48	0.0	23.20		21.21	0.0	21.50	
			1	79	22.42	0.0	23.20		21.15	0.0	21.50	
			1	158	22.55	0.0	23.20		21.15	0.0	21.50	
			80	40	22.45	0.0	23.20		21.18	0.0	21.50	
			160	0	21.90	0.5	22.70		21.13	0.0	21.50	
		QPSK	1	1	22.52	0.0	23.20		21.17	0.0	21.50	
			1	79	22.37	0.0	23.20		21.19	0.0	21.50	
			1	158	22.45	0.0	23.20		21.09	0.0	21.50	
			80	40	22.47	0.0	23.20		21.08	0.0	21.50	
			160	0	21.41	1.0	22.20		21.12	0.0	21.50	
		16QAM	1	1	21.07	1.0	22.20		21.12	0.0	21.50	
		64QAM	1	1	20.01	2.5	20.70		20.33	0.8	20.70	
		256QAM	1	1	17.92	4.5	18.70		18.39	2.8	18.70	
	CP-OFDM	QPSK	1	1	20.79	1.5	21.70		21.18	0.0	21.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					344000	349000	354000	MPR	Tune-up Limit	344000	349000	354000	MPR	Tune-up Limit
					1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	24.37	24.29	24.40	0.0	25.20	21.03	21.20	21.12	0.0	21.50
			1	53	24.40	24.38	24.24	0.0	25.20	21.08	21.09	20.99	0.0	21.50
			1	104	24.43	24.40	24.38	0.0	25.20	21.11	20.99	20.96	0.0	21.50
			50	28	24.29	24.37	24.35	0.0	25.20	21.08	21.11	21.11	0.0	21.50
			100	0	23.91	23.92	23.84	0.5	24.70	21.19	21.17	21.16	0.0	21.50
		QPSK	1	1	24.42	24.38	24.44	0.0	25.20	21.11	21.17	21.21	0.0	21.50
			1	53	24.41	24.55	24.31	0.0	25.20	21.07	21.08	21.00	0.0	21.50
			1	104	24.37	24.22	24.24	0.0	25.20	21.03	21.08	21.04	0.0	21.50
			50	28	24.30	24.36	24.34	0.0	25.20	21.19	21.21	21.21	0.0	21.50
			100	0	23.42	23.31	23.40	1.0	24.20	21.13	21.16	21.09	0.0	21.50
		16QAM	1	1	23.47	23.52	23.28	1.0	24.20	21.05	21.16	21.17	0.0	21.50
		64QAM	1	1	21.94	22.03	21.97	2.5	22.70	21.16	21.19	21.19	0.0	21.50
		256QAM	1	1	20.05	20.03	19.98	4.5	20.70	20.33	20.24	20.32	0.8	20.70
	CP-OFDM	QPSK	1	1	22.91	22.97	22.70	1.5	23.70	21.16	21.13	21.02	0.0	21.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500	349000	354500	MPR	Tune-up Limit	343500	349000	354500	MPR	Tune-up Limit
					1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15	DFS-s OFDM	PI/2 BPSK	1	1	24.47	24.40	24.28	0.0	25.20	21.16	21.07	21.03	0.0	21.50
			1	39	24.18	24.06	24.25	0.0	25.20	21.01	20.96	21.11	0.0	21.50
			1	77	24.44	24.43	24.15	0.0	25.20	21.09	21.11	21.17	0.0	21.50
			36	18	24.24	24.34	24.37	0.0	25.20	21.03	21.11	21.07	0.0	21.50
			75	0	23.90	23.90	23.77	0.5	24.70	21.16	20.99	21.11	0.0	21.50
		QPSK	1	1	24.16	24.44	24.36	0.0	25.20	21.21	21.00	21.04	0.0	21.50
			1	39	24.32	24.40	24.40	0.0	25.20	21.17	21.16	21.16	0.0	21.50
			1	77	24.38	24.49	24.05	0.0	25.20	21.15	21.15	21.18	0.0	21.50
			36	18	24.31	24.42	24.35	0.0	25.20	21.08	21.11	21.08	0.0	21.50
			75	0	23.39	23.42	23.36	1.0	24.20	21.12	21.09	21.17	0.0	21.50
		16QAM	1	1	23.29	23.29	23.43	1.0	24.20	21.12	20.99	20.96	0.0	21.50
		64QAM	1	1	21.96	22.00	22.04	2.5	22.70	21.13	21.15	21.16	0.0	21.50
		256QAM	1	1	19.75	19.99	20.00	4.5	20.70	20.01	20.33	20.37	0.8	20.70
	CP-OFDM	QPSK	1	1	22.86	23.00	22.90	1.5	23.70	21.18	21.21	21.03	0.0	21.50

NR Band 66 Measured Results (ANT3) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	24.29	24.38	24.40	0.0	25.20	21.11	20.99	21.00	0.0	21.50
			1	25	24.47	24.18	24.44	0.0	25.20	21.11	21.04	21.16	0.0	21.50
			1	50	24.28	24.25	24.15	0.0	25.20	21.01	21.09	21.03	0.0	21.50
			25	12	24.40	24.24	24.38	0.0	25.20	21.18	21.08	21.17	0.0	21.50
			50	0	23.84	23.77	23.91	0.5	24.70	21.12	21.12	21.13	0.0	21.50
		QPSK	1	1	24.37	24.40	24.43	0.0	25.20	21.11	21.17	21.07	0.0	21.50
			1	25	24.16	24.32	24.38	0.0	25.20	21.16	21.01	21.09	0.0	21.50
			1	50	24.36	24.40	24.05	0.0	25.20	21.17	20.96	21.16	0.0	21.50
			25	12	24.44	24.40	24.49	0.0	25.20	21.16	21.21	21.17	0.0	21.50
			50	0	23.40	23.28	23.40	1.0	24.20	21.11	21.16	21.21	0.0	21.50
		16QAM	1	1	23.42	23.29	23.28	1.0	24.20	21.13	21.15	21.06	0.0	21.50
		64QAM	1	1	21.97	21.86	21.94	2.5	22.70	21.12	20.99	20.96	0.0	21.50
		256QAM	1	1	19.88	19.75	20.05	4.5	20.70	20.34	20.33	20.01	0.8	20.70
	CP-OFDM	QPSK	1	1	22.70	22.90	22.86	1.5	23.70	21.11	21.07	21.03	0.0	21.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					342500	349000	355500	MPR	Tune-up Limit	342500	349000	355500	MPR	Tune-up Limit
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	24.47	24.18	24.44	0.0	25.20	21.13	21.07	21.09	0.0	21.50
			1	12	24.38	24.05	24.49	0.0	25.20	21.01	20.96	21.21	0.0	21.50
			1	23	24.29	24.47	24.28	0.0	25.20	21.00	21.16	21.15	0.0	21.50
			12	6	24.40	24.06	24.43	0.0	25.20	21.16	21.21	21.00	0.0	21.50
			25	0	23.77	23.90	23.91	0.5	24.70	21.12	21.12	21.13	0.0	21.50
		QPSK	1	1	24.40	24.44	24.15	0.0	25.20	21.03	21.08	21.11	0.0	21.50
			1	12	24.28	24.25	24.15	0.0	25.20	21.16	21.03	21.17	0.0	21.50
			1	23	24.38	24.18	24.25	0.0	25.20	21.09	20.99	21.15	0.0	21.50
			12	6	24.40	24.32	24.40	0.0	25.20	21.04	21.12	21.09	0.0	21.50
			25	0	23.42	23.47	23.42	1.0	24.20	21.11	21.07	21.03	0.0	21.50
		16QAM	1	1	23.40	23.28	23.29	1.0	24.20	21.16	21.04	21.16	0.0	21.50
		64QAM	1	1	22.03	22.04	21.96	2.5	22.70	21.16	21.15	20.99	0.0	21.50
		256QAM	1	1	20.00	19.98	19.75	4.5	20.70	20.32	20.33	20.33	0.8	20.70
	CP-OFDM	QPSK	1	1	23.00	22.97	22.70	1.5	23.70	21.20	21.09	20.99	0.0	21.50

NR Band 66 Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit
40	DFS-s OFDM	PI/2 BPSK	1	1		19.85		0.0	20.30		21.12		0.0	21.50
			1	107		19.77		0.0	20.30		21.04		0.0	21.50
			1	214		19.83		0.0	20.30		21.09		0.0	21.50
			108	54		19.82		0.0	20.30		21.09		0.0	21.50
			216	0		19.74		0.0	20.30		20.85		0.3	21.20
		QPSK	1	1		19.89		0.0	20.30		21.15		0.0	21.50
			1	107		19.81		0.0	20.30		21.08		0.0	21.50
			1	214		19.83		0.0	20.30		21.09		0.0	21.50
			108	54		19.92		0.0	20.30		21.17		0.0	21.50
			216	0		19.77		0.0	20.30		20.19		0.8	20.70
		16QAM	1	1		19.74		0.0	20.30		20.18		0.8	20.70
		64QAM	1	1		18.75		1.1	19.20		18.81		2.3	19.20
		256QAM	1	1		16.78		3.1	17.20		16.82		4.3	17.20
	CP-OFDM	QPSK	1	1		18.80		0.1	20.20		19.72		1.3	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit
30	DFS-s OFDM	PI/2 BPSK	1	1		19.88		0.0	20.30		21.12		0.0	21.50
			1	79		19.82		0.0	20.30		21.06		0.0	21.50
			1	158		19.84		0.0	20.30		21.07		0.0	21.50
			80	40		19.85		0.0	20.30		21.10		0.0	21.50
			160	0		19.76		0.0	20.30		20.84		0.3	21.20
		QPSK	1	1		19.90		0.0	20.30		21.11		0.0	21.50
			1	79		19.84		0.0	20.30		21.08		0.0	21.50
			1	158		19.85		0.0	20.30		21.08		0.0	21.50
			80	40		19.86		0.0	20.30		21.11		0.0	21.50
			160	0		19.75		0.0	20.30		20.17		0.8	20.70
		16QAM	1	1		19.77		0.0	20.30		20.18		0.8	20.70
		64QAM	1	1		18.78		1.1	19.20		18.83		2.3	19.20
		256QAM	1	1		16.81		3.1	17.20		16.79		4.3	17.20
	CP-OFDM	QPSK	1	1		18.83		0.1	20.20		19.73		1.3	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					344000 1720 MHz	349000 1745 MHz	354000 1770 MHz	MPR	Tune-up Limit	344000 1720 MHz	349000 1745 MHz	354000 1770 MHz	MPR	Tune-up Limit
20	DFS-s OFDM	PI/2 BPSK	1	1	19.76	19.78	19.76	0.0	20.30	21.07	21.09	21.09	0.0	21.50
			1	53	19.60	19.60	19.57	0.0	20.30	21.01	20.97	20.98	0.0	21.50
			1	104	19.79	19.83	19.81	0.0	20.30	21.11	21.15	21.12	0.0	21.50
			50	28	19.58	19.56	19.56	0.0	20.30	21.01	21.00	21.01	0.0	21.50
			100	0	19.57	19.56	19.56	0.0	20.30	20.84	20.87	20.86	0.0	21.50
		QPSK	1	1	19.76	19.77	19.76	0.0	20.30	21.10	21.11	21.10	0.0	21.50
			1	53	19.63	19.61	19.62	0.0	20.30	20.99	20.97	20.97	0.0	21.50
			1	104	19.80	19.83	19.80	0.0	20.30	21.13	21.14	21.15	0.0	21.50
			50	28	19.56	19.56	19.97	0.0	20.30	20.98	21.25	21.25	0.0	21.50
			100	0	19.56	19.56	19.56	0.0	20.30	20.81	20.83	20.81	0.0	21.50
		16QAM	1	1	19.74	19.75	19.73	0.0	20.30	21.02	21.08	21.05	0.0	21.50
		64QAM	1	1	19.24	19.26	19.23	0.0	20.30	20.12	20.13	20.11	0.8	20.70
		256QAM	1	1	17.94	17.96	17.94	1.6	18.70	17.82	17.80	17.82	2.8	18.70
	CP-OFDM	QPSK	1	1	19.61	19.60	19.61	0.0	20.30	20.86	20.86	20.85	0.0	21.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500 1717.5 MHz	349000 1745 MHz	354500 1772.5 MHz	MPR	Tune-up Limit	343500 1717.5 MHz	349000 1745 MHz	354500 1772.5 MHz	MPR	Tune-up Limit
15	DFS-s OFDM	PI/2 BPSK	1	1	19.74	19.76	19.75	0.0	20.30	21.04	21.10	21.05	0.0	21.50
			1	39	19.60	19.59	19.56	0.0	20.30	21.00	20.91	20.98	0.0	21.50
			1	77	19.76	19.75	19.77	0.0	20.30	21.10	21.14	21.11	0.0	21.50
			36	18	19.56	19.54	19.55	0.0	20.30	21.00	21.07	21.07	0.0	21.50
			75	0	19.56	19.54	19.54	0.0	20.30	20.83	20.83	20.83	0.0	21.50
		QPSK	1	1	19.74	19.76	19.72	0.0	20.30	21.09	21.10	21.09	0.0	21.50
			1	39	19.63	19.61	19.60	0.0	20.30	20.98	20.96	20.96	0.0	21.50
			1	77	19.78	19.81	19.78	0.0	20.30	21.12	21.13	21.14	0.0	21.50
			36	18	19.54	19.54	19.55	0.0	20.30	20.97	20.98	20.99	0.0	21.50
			75	0	19.55	19.56	19.56	0.0	20.30	20.80	20.82	20.80	0.0	21.50
		16QAM	1	1	19.72	19.73	19.71	0.0	20.30	20.98	20.99	21.02	0.0	21.50
		64QAM	1	1	19.21	19.23	19.21	0.0	20.30	20.11	20.12	20.10	0.8	20.70
		256QAM	1	1	17.90	17.93	17.91	1.6	18.70	17.84	17.81	17.85	2.8	18.70
	CP-OFDM	QPSK	1	1	19.59	19.57	19.59	0.0	20.30	20.85	20.85	20.84	0.0	21.50

NR Band 66 Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	19.67	19.68	19.68	0.0	20.30	21.10	21.09	21.09	0.0	21.50
			1	25	19.51	19.47	19.49	0.0	20.30	21.02	20.99	21.02	0.0	21.50
			1	50	19.69	19.72	19.71	0.0	20.30	21.15	21.15	21.11	0.0	21.50
			25	12	19.50	19.46	19.47	0.0	20.30	21.01	20.98	21.01	0.0	21.50
			50	0	19.47	19.46	19.46	0.0	20.30	20.81	20.89	20.84	0.0	21.50
		QPSK	1	1	19.66	19.69	19.66	0.0	20.30	21.10	21.09	21.10	0.0	21.50
			1	25	19.55	19.51	19.52	0.0	20.30	21.02	20.98	21.00	0.0	21.50
			1	50	19.67	19.73	19.70	0.0	20.30	21.13	21.14	21.15	0.0	21.50
			25	12	19.50	19.46	19.47	0.0	20.30	21.02	20.99	20.98	0.0	21.50
			50	0	19.46	19.48	19.46	0.0	20.30	20.78	20.81	20.82	0.0	21.50
		16QAM	1	1	19.62	19.65	19.65	0.0	20.30	20.98	21.05	21.02	0.0	21.50
		64QAM	1	1	19.13	19.14	19.13	0.0	20.30	20.05	20.13	20.08	0.8	20.70
		256QAM	1	1	17.84	17.84	17.82	1.6	18.70	17.82	17.78	17.81	2.8	18.70
	CP-OFDM	QPSK	1	1	19.53	19.53	19.54	0.0	20.30	20.82	20.83	20.85	0.0	21.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					342500	349000	355500	MPR	Tune-up Limit	342500	349000	355500	MPR	Tune-up Limit
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	19.68	19.70	19.65	0.0	20.30	21.01	21.07	21.02	0.0	21.50
			1	12	19.57	19.56	19.46	0.0	20.30	20.99	20.86	20.93	0.0	21.50
			1	23	19.66	19.75	19.77	0.0	20.30	21.08	21.08	21.10	0.0	21.50
			12	6	19.50	19.48	19.51	0.0	20.30	21.09	21.04	21.04	0.0	21.50
			25	0	19.48	19.48	19.48	0.0	20.30	20.78	20.78	20.79	0.0	21.50
		QPSK	1	1	19.68	19.69	19.68	0.0	20.30	21.06	21.07	21.06	0.0	21.50
			1	12	19.55	19.53	19.57	0.0	20.30	20.95	20.93	20.93	0.0	21.50
			1	23	19.72	19.75	19.72	0.0	20.30	21.15	21.10	21.11	0.0	21.50
			12	6	19.48	19.48	19.48	0.0	20.30	20.91	20.91	20.96	0.0	21.50
			25	0	19.48	19.48	19.48	0.0	20.30	20.77	20.79	20.77	0.0	21.50
		16QAM	1	1	19.66	19.67	19.65	0.0	20.30	20.94	20.96	20.99	0.0	21.50
		64QAM	1	1	19.16	19.18	19.15	0.0	20.30	20.05	20.01	20.00	0.8	20.70
		256QAM	1	1	17.82	17.83	17.83	1.6	18.70	17.81	17.78	17.82	2.8	18.70
	CP-OFDM	QPSK	1	1	19.53	19.52	19.53	0.0	20.30	20.82	20.82	20.81	0.0	21.50

NR Band 71 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					136100	MPR	Tune-up Limit		136100	MPR	Tune-up Limit	
					680.5 MHz				680.5 MHz			
20	DFS-s OFDM	PI/2 BPSK	1	1	24.88	0.0	25.70		24.88	0.0	25.70	
			1	53	25.11	0.0	25.70		25.11	0.0	25.70	
			1	104	25.17	0.0	25.70		25.17	0.0	25.70	
			50	28	24.86	0.0	25.70		24.86	0.0	25.70	
			100	0	24.26	0.5	25.20		24.26	0.5	25.20	
		QPSK	1	1	24.81	0.0	25.70		24.81	0.0	25.70	
			1	53	25.22	0.0	25.70		25.22	0.0	25.70	
			1	104	24.97	0.0	25.70		24.97	0.0	25.70	
			50	28	24.89	0.0	25.70		24.89	0.0	25.70	
			100	0	23.86	1.0	24.70		23.86	1.0	24.70	
		16QAM	1	1	23.87	1.0	24.70		23.87	1.0	24.70	
		64QAM	1	1	22.43	2.5	23.20		22.43	2.5	23.20	
		256QAM	1	1	20.48	4.5	21.20		20.48	4.5	21.20	
	CP-OFDM	QPSK	1	1	23.44	1.5	24.20		23.44	1.5	24.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					136100	MPR	Tune-up Limit		136100	MPR	Tune-up Limit	
					680.5 MHz				680.5 MHz			
15	DFS-s OFDM	PI/2 BPSK	1	1	24.86	0.0	25.70		24.86	0.0	25.70	
			1	40	25.04	0.0	25.70		25.04	0.0	25.70	
			1	77	25.02	0.0	25.70		25.02	0.0	25.70	
			36	18	25.06	0.0	25.70		25.06	0.0	25.70	
			75	0	24.33	0.5	25.20		24.33	0.5	25.20	
		QPSK	1	1	24.82	0.0	25.70		24.82	0.0	25.70	
			1	40	24.75	0.0	25.70		24.75	0.0	25.70	
			1	77	25.04	0.0	25.70		25.04	0.0	25.70	
			36	18	24.94	0.0	25.70		24.94	0.0	25.70	
			75	0	23.87	1.0	24.70		23.87	1.0	24.70	
		16QAM	1	1	23.76	1.0	24.70		23.76	1.0	24.70	
		64QAM	1	1	22.35	2.5	23.20		22.35	2.5	23.20	
		256QAM	1	1	20.33	4.5	21.20		20.33	4.5	21.20	
	CP-OFDM	QPSK	1	1	23.23	1.5	24.20		23.23	1.5	24.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					133600	136100	138600	MPR	Tune-up Limit	133600	136100	138600	MPR	Tune-up Limit
					668 MHz	680.5 MHz	693 MHz			668 MHz	680.5 MHz	693 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	25.02	25.19	24.97	0.0	25.70	25.02	25.19	24.97	0.0	25.70
			1	25	24.84	25.12	25.19	0.0	25.70	24.84	25.12	25.19	0.0	25.70
			1	50	25.10	24.75	25.19	0.0	25.70	25.10	24.75	25.19	0.0	25.70
			25	12	25.04	24.92	25.03	0.0	25.70	25.04	24.92	25.03	0.0	25.70
			50	0	24.51	24.69	24.56	0.5	25.20	24.51	24.69	24.56	0.5	25.20
		QPSK	1	1	25.18	24.95	24.85	0.0	25.70	25.18	24.95	24.85	0.0	25.70
			1	25	25.19	25.07	25.17	0.0	25.70	25.19	25.07	25.17	0.0	25.70
			1	50	25.17	25.14	25.19	0.0	25.70	25.17	25.14	25.19	0.0	25.70
			25	12	25.04	25.01	25.07	0.0	25.70	25.04	25.01	25.07	0.0	25.70
			50	0	23.96	23.75	24.17	1.0	24.70	23.96	23.75	24.17	1.0	24.70
		16QAM	1	1	23.91	24.06	23.84	1.0	24.70	23.91	24.06	23.84	1.0	24.70
		64QAM	1	1	22.42	22.08	22.29	2.5	23.20	22.42	22.08	22.29	2.5	23.20
		256QAM	1	1	20.46	20.23	20.31	4.5	21.20	20.46	20.23	20.31	4.5	21.20
	CP-OFDM	QPSK	1	1	23.19	23.34	23.26	1.5	24.20	23.19	23.34	23.26	1.5	24.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					133100	136100	139100	MPR	Tune-up Limit	133100	136100	139100	MPR	Tune-up Limit
					665.5 MHz	680.5 MHz	695.5 MHz			665.5 MHz	680.5 MHz	695.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	24.85	24.96	24.76	0.0	25.70	24.85	24.96	24.76	0.0	25.70
			1	12	24.99	25.13	24.83	0.0	25.70	24.99	25.13	24.83	0.0	25.70
			1	23	25.05	24.82	24.76	0.0	25.70	25.05	24.82	24.76	0.0	25.70
			12	6	24.74	24.73	24.56	0.0	25.70	24.74	24.73	24.56	0.0	25.70
			25	0	24.15	24.22	23.90	0.5	25.20	24.15	24.22	23.90	0.5	25.20
		QPSK	1	1	24.58	25.05	24.52	0.0	25.70	24.58	25.05	24.52	0.0	25.70
			1	12	24.93	24.76	24.81	0.0	25.70	24.93	24.76	24.81	0.0	25.70
			1	23	24.72	24.78	24.76	0.0	25.70	24.72	24.78	24.76	0.0	25.70
			12	6	24.77	24.83	24.85	0.0	25.70	24.77	24.83	24.85	0.0	25.70
			25	0	23.76	23.72	23.37	1.0	24.70	23.76	23.72	23.37	1.0	24.70
		16QAM	1	1	23.86	23.80	23.69	1.0	24.70	23.86	23.80	23.69	1.0	24.70
		64QAM	1	1	22.19	22.22	22.32	2.5	23.20	22.19	22.22	22.32	2.5	23.20
		256QAM	1	1	20.34	20.23	20.22	4.5	21.20	20.34	20.23	20.22	4.5	21.20
	CP-OFDM	QPSK	1	1	23.25	23.31	23.24	1.5	24.20	23.25	23.31	23.24	1.5	24.20

NR Band 71 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					136100	MPR	Tune-up Limit	136100	MPR	Tune-up Limit
					680.5 MHz			680.5 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	24.16	0.0	24.70	24.16	0.0	24.70
			1	53	24.13	0.0	24.70	24.13	0.0	24.70
			1	104	24.16	0.0	24.70	24.16	0.0	24.70
			50	28	24.11	0.0	24.70	24.11	0.0	24.70
			100	0	23.66	0.5	24.20	23.66	0.5	24.20
		QPSK	1	1	24.00	0.0	24.70	24.00	0.0	24.70
			1	53	24.24	0.0	24.70	24.24	0.0	24.70
			1	104	24.01	0.0	24.70	24.01	0.0	24.70
			50	28	23.82	0.0	24.70	23.82	0.0	24.70
			100	0	23.14	1.0	23.70	23.14	1.0	23.70
		16QAM	1	1	22.87	1.0	23.70	22.87	1.0	23.70
		64QAM	1	1	21.65	2.5	22.20	21.65	2.5	22.20
		256QAM	1	1	19.66	4.5	20.20	19.66	4.5	20.20
	CP-OFDM	QPSK	1	1	22.52	1.5	23.20	22.52	1.5	23.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					136100	MPR	Tune-up Limit	136100	MPR	Tune-up Limit
					680.5 MHz			680.5 MHz		
15	DFS-s OFDM	PI/2 BPSK	1	1	23.92	0.0	24.70	23.92	0.0	24.70
			1	39	24.00	0.0	24.70	24.00	0.0	24.70
			1	77	24.04	0.0	24.70	24.04	0.0	24.70
			36	18	23.94	0.0	24.70	23.94	0.0	24.70
			75	0	23.63	0.5	24.20	23.63	0.5	24.20
		QPSK	1	1	24.11	0.0	24.70	24.11	0.0	24.70
			1	39	24.16	0.0	24.70	24.16	0.0	24.70
			1	77	24.05	0.0	24.70	24.05	0.0	24.70
			36	18	24.04	0.0	24.70	24.04	0.0	24.70
			75	0	23.13	1.0	23.70	23.13	1.0	23.70
		16QAM	1	1	22.95	1.0	23.70	22.95	1.0	23.70
		64QAM	1	1	21.57	2.5	22.20	21.57	2.5	22.20
		256QAM	1	1	19.46	4.5	20.20	19.46	4.5	20.20
	CP-OFDM	QPSK	1	1	22.56	1.5	23.20	22.56	1.5	23.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					133600	136100	138600	MPR	133600	136100	138600	MPR
					668 MHz	680.5 MHz	693 MHz		668 MHz	680.5 MHz	693 MHz	
10	DFS-s OFDM	PI/2 BPSK	1	1	24.12	24.04	24.05	0.0	24.12	24.04	24.05	0.0
			1	25	23.91	23.98	24.14	0.0	23.91	23.98	24.14	0.0
			1	50	24.12	23.91	24.07	0.0	24.12	23.91	24.07	0.0
			25	12	24.07	23.92	23.88	0.0	24.07	23.92	23.88	0.0
			50	0	23.60	23.66	23.57	0.5	23.60	23.66	23.57	0.5
		QPSK	1	1	23.54	23.99	24.06	0.0	23.54	23.99	24.06	0.0
			1	25	23.86	23.96	23.98	0.0	23.86	23.96	23.98	0.0
			1	50	23.73	23.94	23.78	0.0	23.73	23.94	23.78	0.0
			25	12	24.05	23.91	24.10	0.0	24.05	23.91	24.10	0.0
			50	0	23.07	23.08	23.05	1.0	23.07	23.08	23.05	1.0
		16QAM	1	1	22.99	23.01	22.84	1.0	22.99	23.01	22.84	1.0
		64QAM	1	1	21.66	21.45	21.44	2.5	21.66	21.45	21.44	2.5
		256QAM	1	1	19.57	19.53	19.56	4.5	19.57	19.53	19.56	4.5
	CP-OFDM	QPSK	1	1	22.44	22.29	22.65	1.5	22.44	22.29	22.65	1.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					133100	136100	139100	MPR	133100	136100	139100	MPR
					665.5 MHz	680.5 MHz	695.5 MHz		665.5 MHz	680.5 MHz	695.5 MHz	
5	DFS-s OFDM	PI/2 BPSK	1	1	23.96	23.90	24.16	0.0	23.96	23.90	24.16	0.0
			1	12	24.14	23.96	24.08	0.0	24.14	23.96	24.08	0.0
			1	23	24.10	23.92	24.13	0.0	24.10	23.92	24.13	0.0
			12	6	23.93	24.02	24.01	0.0	23.93	24.02	24.01	0.0
			25	0	23.65	23.55	23.43	0.5	23.65	23.55	23.43	0.5
		QPSK	1	1	23.99	23.91	24.14	0.0	23.99	23.91	24.14	0.0
			1	12	23.87	23.96	23.82	0.0	23.87	23.96	23.82	0.0
			1	23	23.98	23.88	23.91	0.0	23.98	23.88	23.91	0.0
			12	6	23.86	23.87	24.09	0.0	23.86	23.87	24.09	0.0
			25	0	23.13	23.10	22.98	1.0	23.13	23.10	22.98	1.0
		16QAM	1	1	23.06	23.06	22.86	1.0	23.06	23.06	22.86	1.0
		64QAM	1	1	21.52	21.55	21.51	2.5	21.52	21.55	21.51	2.5
		256QAM	1	1	19.59	19.59	19.64	4.5	19.59	19.59	19.64	4.5
	CP-OFDM	QPSK	1	1	22.44	22.34	22.32	1.5	22.44	22.34	22.32	1.5

NR Band 77 (Block A) Measured Results (ANT7)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
100	DFS-s OFDM	PI/2 BPSK	1	1	25.10	0.0	25.70	18.64	0.0	19.30
			1	137	25.08	0.0	25.70	18.62	0.0	19.30
			1	271	25.11	0.0	25.70	18.47	0.0	19.30
			135	69	24.92	0.0	25.70	18.54	0.0	19.30
			270	0	24.51	0.5	25.20	18.60	0.0	19.30
		QPSK	1	1	25.17	0.0	25.70	18.63	0.0	19.30
			1	137	25.20	0.0	25.70	18.79	0.0	19.30
			1	271	25.19	0.0	25.70	18.56	0.0	19.30
			135	69	24.92	0.0	25.70	18.68	0.0	19.30
			270	0	23.97	1.0	24.70	18.90	0.0	19.30
		16QAM	1	1	24.09	1.0	24.70	18.47	0.0	19.30
		64QAM	1	1	22.72	2.5	23.20	18.58	0.0	19.30
		256QAM	1	1	20.54	4.5	21.20	18.68	0.0	19.30
	CP-OFDM	QPSK	1	1	23.44	1.5	24.20	18.55	0.0	19.30

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
90	DFS-s OFDM	PI/2 BPSK	1	1	25.17	0.0	25.70	18.53	0.0	19.30
			1	122	25.24	0.0	25.70	18.31	0.0	19.30
			1	243	25.10	0.0	25.70	18.26	0.0	19.30
			120	60	25.18	0.0	25.70	18.50	0.0	19.30
			243	0	24.56	0.5	25.20	18.44	0.0	19.30
		QPSK	1	1	25.02	0.0	25.70	18.54	0.0	19.30
			1	122	25.16	0.0	25.70	18.47	0.0	19.30
			1	243	25.22	0.0	25.70	18.25	0.0	19.30
			121	60	25.15	0.0	25.70	18.41	0.0	19.30
			243	0	24.23	1.0	24.70	18.44	0.0	19.30
		16QAM	1	1	24.24	1.0	24.70	18.60	0.0	19.30
		64QAM	1	1	22.45	2.5	23.20	18.54	0.0	19.30
		256QAM	1	1	20.43	4.5	21.20	18.21	0.0	19.30
	CP-OFDM	QPSK	1	1	23.71	1.5	24.20	18.49	0.0	19.30

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
80	DFS-s OFDM	PI/2 BPSK	1	1	25.28	0.0	25.70	18.60	0.0	19.30
			1	108	25.21	0.0	25.70	18.42	0.0	19.30
			1	215	25.18	0.0	25.70	18.15	0.0	19.30
			108	54	25.10	0.0	25.70	18.35	0.0	19.30
			216	0	24.71	0.5	25.20	18.30	0.0	19.30
		QPSK	1	1	25.30	0.0	25.70	18.50	0.0	19.30
			1	108	25.28	0.0	25.70	18.36	0.0	19.30
			1	215	25.07	0.0	25.70	18.32	0.0	19.30
			108	54	25.12	0.0	25.70	18.42	0.0	19.30
			216	0	24.12	1.0	24.70	18.36	0.0	19.30
		16QAM	1	1	24.01	1.0	24.70	18.44	0.0	19.30
		64QAM	1	1	22.58	2.5	23.20	18.42	0.0	19.30
		256QAM	1	1	20.60	4.5	21.20	18.39	0.0	19.30
	CP-OFDM	QPSK	1	1	23.66	1.5	24.20	18.51	0.0	19.30

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
70	DFS-s OFDM	PI/2 BPSK	1	1	25.01	0.0	25.70	18.58	0.0	19.30
			1	91	25.22	0.0	25.70	18.50	0.0	19.30
			1	187	25.06	0.0	25.70	18.38	0.0	19.30
			94	47	25.19	0.0	25.70	18.49	0.0	19.30
			180	0	24.59	0.5	25.20	18.37	0.0	19.30
		QPSK	1	1	25.23	0.0	25.70	18.49	0.0	19.30
			1	91	25.28	0.0	25.70	18.31	0.0	19.30
			1	187	25.21	0.0	25.70	18.24	0.0	19.30
			94	47	25.20	0.0	25.70	18.42	0.0	19.30
			180	0	24.26	1.0	24.70	18.41	0.0	19.30
		16QAM	1	1	24.03	1.0	24.70	18.51	0.0	19.30
		64QAM	1	1	22.52	2.5	23.20	18.54	0.0	19.30
		256QAM	1	1	20.76	4.5	21.20	18.42	0.0	19.30
	CP-OFDM	QPSK	1	1	23.50	1.5	24.20	18.53	0.0	19.30

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
60	DFS-s OFDM	PI/2 BPSK	1	1	25.23	0.0	25.70	18.56	0.0	19.30
			1	80	25.28	0.0	25.70	18.50	0.0	19.30
			1	160	25.29	0.0	25.70	18.51	0.0	19.30
			81	40	25.26	0.0	25.70	18.56	0.0	19.30
			162	0	24.79	0.5	25.20	18.49	0.0	19.30
		QPSK	1	1	25.27	0.0	25.70	18.39	0.0	19.30
			1	80	25.22	0.0	25.70	18.51	0.0	19.30
			1	160	25.27	0.0	25.70	18.38	0.0	19.30
			81	40	25.17	0.0	25.70	18.39	0.0	19.30
			162	0	24.23	1.0	24.70	18.35	0.0	19.30
		16QAM	1	1	24.26	1.0	24.70	18.52	0.0	19.30
		64QAM	1	1	22.71	2.5	23.20	18.60	0.0	19.30
		256QAM	1	1	20.54	4.5	21.20	18.32	0.0	19.30
	CP-OFDM	QPSK	1	1	23.73	1.5	24.20	18.34	0.0	19.30

NR Band 77 (Block A) Measured Results (ANT7) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					633332	MPR	Tune-up Limit		633332	MPR	Tune-up Limit	
					3499.98 MHz				3499.98 MHz			
50	DFS-s OFDM	PI/2 BPSK	1	1	25.22	0.0	25.70		18.54	0.0	19.30	
			1	66	24.96	0.0	25.70		18.29	0.0	19.30	
			1	131	25.17	0.0	25.70		18.28	0.0	19.30	
			64	32	25.10	0.0	25.70		18.33	0.0	19.30	
			128	0	24.78	0.5	25.20		18.30	0.0	19.30	
		QPSK	1	1	25.01	0.0	25.70		18.40	0.0	19.30	
			1	66	25.04	0.0	25.70		18.22	0.0	19.30	
			1	131	25.14	0.0	25.70		18.33	0.0	19.30	
			64	32	25.04	0.0	25.70		18.23	0.0	19.30	
			128	0	24.07	1.0	24.70		18.29	0.0	19.30	
		16QAM	1	1	24.22	1.0	24.70		18.19	0.0	19.30	
		64QAM	1	1	22.54	2.5	23.20		18.59	0.0	19.30	
		256QAM	1	1	20.72	4.5	21.20		18.54	0.0	19.30	
	CP-OFDM	QPSK	1	1	23.61	1.5	24.20		18.43	0.0	19.30	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					633332	MPR	Tune-up Limit		633332	MPR	Tune-up Limit	
					3499.98 MHz				3499.98 MHz			
40	DFS-s OFDM	PI/2 BPSK	1	1	25.06	0.0	25.70		18.48	0.0	19.30	
			1	53	25.14	0.0	25.70		18.55	0.0	19.30	
			1	104	25.08	0.0	25.70		18.50	0.0	19.30	
			50	28	25.29	0.0	25.70		18.43	0.0	19.30	
			100	0	24.72	0.5	25.20		18.46	0.0	19.30	
		QPSK	1	1	25.09	0.0	25.70		18.46	0.0	19.30	
			1	53	25.28	0.0	25.70		18.35	0.0	19.30	
			1	104	25.11	0.0	25.70		18.50	0.0	19.30	
			50	28	25.22	0.0	25.70		18.37	0.0	19.30	
			100	0	24.14	1.0	24.70		18.47	0.0	19.30	
		16QAM	1	1	23.91	1.0	24.70		18.55	0.0	19.30	
		64QAM	1	1	22.68	2.5	23.20		18.42	0.0	19.30	
		256QAM	1	1	20.53	4.5	21.20		18.57	0.0	19.30	
	CP-OFDM	QPSK	1	1	23.79	1.5	24.20		18.19	0.0	19.30	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					633332	MPR	Tune-up Limit		633332	MPR	Tune-up Limit	
					3499.98 MHz				3499.98 MHz			
30	DFS-s OFDM	PI/2 BPSK	1	1	25.06	0.0	25.70		18.31	0.0	19.30	
			1	38	25.03	0.0	25.70		18.30	0.0	19.30	
			1	76	25.16	0.0	25.70		18.36	0.0	19.30	
			36	18	24.98	0.0	25.70		18.25	0.0	19.30	
			75	0	24.80	0.5	25.20		18.30	0.0	19.30	
		QPSK	1	1	25.11	0.0	25.70		18.58	0.0	19.30	
			1	38	24.97	0.0	25.70		18.45	0.0	19.30	
			1	76	25.04	0.0	25.70		18.57	0.0	19.30	
			36	18	24.99	0.0	25.70		18.38	0.0	19.30	
			75	0	24.25	1.0	24.70		18.42	0.0	19.30	
		16QAM	1	1	24.10	1.0	24.70		18.60	0.0	19.30	
		64QAM	1	1	22.73	2.5	23.20		18.42	0.0	19.30	
		256QAM	1	1	20.76	4.5	21.20		18.52	0.0	19.30	
	CP-OFDM	QPSK	1	1	23.65	1.5	24.20		18.55	0.0	19.30	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					630666	633332	635998	MPR	Tune-up Limit	630666	633332	635998	MPR	Tune-up Limit
					3459.99 MHz	3499.98 MHz	3539.97 MHz			3459.99 MHz	3499.98 MHz	3539.97 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.29	25.06	25.18	0.0	25.70	18.50	18.49	18.47	0.0	19.30
			1	25	25.30	25.29	25.13	0.0	25.70	18.44	18.52	18.52	0.0	19.30
			1	49	25.30	25.27	25.30	0.0	25.70	18.43	18.37	18.38	0.0	19.30
			25	12	25.17	25.09	25.13	0.0	25.70	18.33	18.31	18.34	0.0	19.30
			50	0	24.75	24.53	24.53	0.5	25.20	18.41	18.39	18.33	0.0	19.30
		QPSK	1	1	25.04	25.30	25.30	0.0	25.70	18.60	18.45	18.52	0.0	19.30
			1	25	25.05	25.27	25.06	0.0	25.70	18.36	18.48	18.30	0.0	19.30
			1	49	25.18	25.26	25.15	0.0	25.70	18.44	18.39	18.33	0.0	19.30
			25	12	25.03	25.14	25.05	0.0	25.70	18.43	18.51	18.38	0.0	19.30
			50	0	24.11	24.28	24.17	1.0	24.70	18.37	18.38	18.36	0.0	19.30
		16QAM	1	1	24.23	24.29	23.80	1.0	24.70	18.41	18.56	18.59	0.0	19.30
		64QAM	1	1	22.57	22.63	22.42	2.5	23.20	18.41	18.48	18.29	0.0	19.30
		256QAM	1	1	20.62	20.78	20.80	4.5	21.20	18.48	18.35	18.25	0.0	19.30
	CP-OFDM	QPSK	1	1	23.73	23.40	23.56	1.5	24.20	18.48	18.34	18.58	0.0	19.30

NR Band 77 (Block C) Measured Results (ANT7)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
100	DFS-s OFDM	PI/2 BPSK	1	1	24.98	0.0	25.70	18.44	0.0	19.30
			1	137	24.95	0.0	25.70	18.53	0.0	19.30
			1	271	24.96	0.0	25.70	18.53	0.0	19.30
			135	69	24.92	0.0	25.70	18.40	0.0	19.30
			270	0	24.69	0.5	25.20	18.39	0.0	19.30
		QPSK	1	1	25.06	0.0	25.70	18.60	0.0	19.30
			1	137	25.10	0.0	25.70	18.70	0.0	19.30
			1	271	24.98	0.0	25.70	18.33	0.0	19.30
			135	69	25.14	0.0	25.70	18.45	0.0	19.30
			270	0	24.08	1.0	24.70	18.51	0.0	19.30
		16QAM	1	1	23.86	1.0	24.70	18.44	0.0	19.30
		64QAM	1	1	22.68	2.5	23.20	18.46	0.0	19.30
		256QAM	1	1	20.62	4.5	21.20	18.25	0.0	19.30
	CP-OFDM	QPSK	1	1	23.70	1.5	24.20	18.44	0.0	19.30

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
90	DFS-s OFDM	PI/2 BPSK	1	1	25.03	0.0	25.70	18.59	0.0	19.30
			1	122	24.98	0.0	25.70	18.37	0.0	19.30
			1	243	25.00	0.0	25.70	18.24	0.0	19.30
			120	60	24.97	0.0	25.70	18.32	0.0	19.30
			243	0	24.57	0.5	25.20	18.31	0.0	19.30
		QPSK	1	1	25.20	0.0	25.70	18.57	0.0	19.30
			1	122	25.16	0.0	25.70	18.35	0.0	19.30
			1	243	25.20	0.0	25.70	18.27	0.0	19.30
			120	60	25.20	0.0	25.70	18.28	0.0	19.30
			243	0	24.20	1.0	24.70	18.31	0.0	19.30
		16QAM	1	1	24.17	1.0	24.70	18.38	0.0	19.30
		64QAM	1	1	22.69	2.5	23.20	18.49	0.0	19.30
		256QAM	1	1	20.47	4.5	21.20	18.36	0.0	19.30
	CP-OFDM	QPSK	1	1	23.39	1.5	24.20	18.45	0.0	19.30

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
80	DFS-s OFDM	PI/2 BPSK	1	1	25.07	0.0	25.70	18.53	0.0	19.30
			1	108	25.14	0.0	25.70	18.28	0.0	19.30
			1	215	25.16	0.0	25.70	18.33	0.0	19.30
			108	54	25.02	0.0	25.70	18.26	0.0	19.30
			216	0	24.55	0.5	25.20	18.41	0.0	19.30
		QPSK	1	1	25.02	0.0	25.70	18.55	0.0	19.30
			1	108	25.14	0.0	25.70	18.48	0.0	19.30
			1	215	25.20	0.0	25.70	18.60	0.0	19.30
			108	54	25.00	0.0	25.70	18.50	0.0	19.30
			216	0	24.06	1.0	24.70	18.58	0.0	19.30
		16QAM	1	1	24.17	1.0	24.70	18.46	0.0	19.30
		64QAM	1	1	22.50	2.5	23.20	18.19	0.0	19.30
		256QAM	1	1	20.62	4.5	21.20	18.12	0.0	19.30
	CP-OFDM	QPSK	1	1	23.43	1.5	24.20	18.17	0.0	19.30

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
70	DFS-s OFDM	PI/2 BPSK	1	1	24.98	0.0	25.70	18.34	0.0	19.30
			1	91	25.17	0.0	25.70	18.43	0.0	19.30
			1	187	25.14	0.0	25.70	18.47	0.0	19.30
			90	45	25.18	0.0	25.70	18.41	0.0	19.30
			180	0	24.70	0.5	25.20	18.40	0.0	19.30
		QPSK	1	1	24.81	0.0	25.70	18.34	0.0	19.30
			1	91	24.97	0.0	25.70	18.34	0.0	19.30
			1	187	25.06	0.0	25.70	18.59	0.0	19.30
			90	45	25.00	0.0	25.70	18.55	0.0	19.30
			180	0	24.11	1.0	24.70	18.36	0.0	19.30
		16QAM	1	1	23.97	1.0	24.70	18.09	0.0	19.30
		64QAM	1	1	22.49	2.5	23.20	18.46	0.0	19.30
		256QAM	1	1	20.49	4.5	21.20	18.54	0.0	19.30
	CP-OFDM	QPSK	1	1	23.63	1.5	24.20	18.53	0.0	19.30

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
60	DFS-s OFDM	PI/2 BPSK	1	1	24.95	0.0	25.70	18.47	0.0	19.30
			1	80	25.19	0.0	25.70	18.54	0.0	19.30
			1	160	25.05	0.0	25.70	18.59	0.0	19.30
			81	40	24.97	0.0	25.70	18.48	0.0	19.30
			162	0	24.65	0.5	25.20	18.59	0.0	19.30
		QPSK	1	1	25.06	0.0	25.70	18.45	0.0	19.30
			1	80	25.19	0.0	25.70	18.55	0.0	19.30
			1	160	25.16	0.0	25.70	18.41	0.0	19.30
			81	40	25.17	0.0	25.70	18.48	0.0	19.30
			162	0	24.05	1.0	24.70	18.58	0.0	19.30
		16QAM	1	1	23.94	1.0	24.70	18.37	0.0	19.30
		64QAM	1	1	22.37	2.5	23.20	18.57	0.0	19.30
		256QAM	1	1	20.25	4.5	21.20	18.43	0.0	19.30
	CP-OFDM	QPSK	1	1	23.58	1.5	24.20	18.42	0.0	19.30

NR Band 77 (Block C) Measured Results (ANT7) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					648334	652166	656000	659834	663666			648334	652166	656000	659834	663666		
					3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz		
50	DFS-s OFDM	PI/2 BPSK	1	1	24.97	25.00	24.92	25.03	25.08	0.0	25.70	18.41	18.52	18.34	18.28	18.27	0.0	19.30
			1	66	24.91	25.03	25.07	24.96	25.19	0.0	25.70	18.56	18.39	18.29	18.20	18.56	0.0	19.30
			1	131	24.95	24.96	25.06	25.10	24.96	0.0	25.70	18.49	18.33	18.41	18.46	18.57	0.0	19.30
			64	32	25.01	25.08	25.13	25.06	25.00	0.0	25.70	18.47	18.60	18.32	18.25	18.57	0.0	19.30
			128	0	24.36	24.46	24.54	24.45	24.68	0.5	25.20	18.43	18.58	18.39	18.21	18.55	0.0	19.30
		QPSK	1	1	25.10	25.12	24.86	24.73	24.61	0.0	25.70	18.39	18.43	18.56	18.20	18.43	0.0	19.30
			1	66	25.03	25.04	25.18	25.07	25.17	0.0	25.70	18.42	18.32	18.43	18.53	18.42	0.0	19.30
			1	131	25.00	25.05	24.70	25.09	25.00	0.0	25.70	18.39	18.33	18.50	18.30	18.44	0.0	19.30
			64	32	25.03	25.07	25.12	25.09	25.09	0.0	25.70	18.40	18.32	18.43	18.36	18.47	0.0	19.30
			128	0	23.80	23.84	23.97	23.86	23.87	1.0	24.70	18.38	18.29	18.52	18.35	18.54	0.0	19.30
		16QAM	1	1	24.10	24.16	24.03	24.20	24.19	1.0	24.70	18.32	18.46	18.44	18.15	18.38	0.0	19.30
		64QAM	1	1	22.63	22.51	22.30	22.45	22.58	2.5	23.20	18.39	18.21	18.37	18.23	18.41	0.0	19.30
		256QAM	1	1	20.67	20.48	20.65	20.69	20.63	4.5	21.20	18.49	18.31	18.21	18.45	18.19	0.0	19.30
	CP-OFDM	QPSK	1	1	23.69	23.67	23.60	23.58	23.63	1.5	24.20	18.52	18.29	18.53	18.43	18.55	0.0	19.30
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					648000	652000	656000	660000	664000			648000	652000	656000	660000	664000		
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz		
40	DFS-s OFDM	PI/2 BPSK	1	1	25.20	25.18	24.91	25.01	24.68	0.0	25.70	18.39	18.59	18.23	18.45	18.51	0.0	19.30
			1	53	25.02	25.09	24.96	24.79	24.77	0.0	25.70	18.27	18.43	18.24	18.47	18.60	0.0	19.30
			1	104	25.15	25.20	25.18	24.81	24.74	0.0	25.70	18.51	18.51	18.35	18.57	18.39	0.0	19.30
			50	28	25.09	25.05	24.96	24.72	24.65	0.0	25.70	18.49	18.56	18.28	18.39	18.55	0.0	19.30
			100	0	24.54	24.53	24.36	24.70	24.12	0.5	25.20	18.47	18.54	18.55	18.37	18.56	0.0	19.30
		QPSK	1	1	25.20	25.07	24.84	25.16	24.59	0.0	25.70	18.55	18.32	18.33	18.38	18.38	0.0	19.30
			1	53	25.20	24.95	24.96	25.16	24.67	0.0	25.70	18.46	18.41	18.31	18.40	18.58	0.0	19.30
			1	104	25.17	25.20	25.02	25.15	24.75	0.0	25.70	18.33	18.53	18.53	18.35	18.35	0.0	19.30
			50	28	24.88	24.94	25.01	25.12	24.63	0.0	25.70	18.53	18.57	18.53	18.39	18.54	0.0	19.30
			100	0	24.10	24.12	24.10	24.20	24.13	1.0	24.70	18.52	18.56	18.52	18.36	18.31	0.0	19.30
		16QAM	1	1	24.18	24.20	24.20	24.20	24.13	1.0	24.70	18.32	18.36	18.49	18.24	18.23	0.0	19.30
		64QAM	1	1	22.69	22.50	22.56	22.69	22.30	2.5	23.20	18.10	18.55	18.41	18.33	18.42	0.0	19.30
		256QAM	1	1	20.50	20.52	20.53	20.69	20.48	4.5	21.20	18.32	18.51	18.40	18.25	18.17	0.0	19.30
	CP-OFDM	QPSK	1	1	23.51	23.66	23.69	23.64	23.69	1.5	24.20	18.47	18.50	18.53	18.57	18.34	0.0	19.30
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					647334	651666	656000	660266	664666			647334	651666	656000	660266	664666		
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
30	DFS-s OFDM	PI/2 BPSK	1	1	25.00	25.18	25.20	25.14	25.14	0.0	25.70	18.33	18.35	18.28	18.38	18.35	0.0	19.30
			1	38	24.98	24.92	25.10	25.14	24.91	0.0	25.70	18.37	18.37	18.41	18.41	18.22	0.0	19.30
			1	76	25.08	25.20	25.12	24.98	25.09	0.0	25.70	18.37	18.52	18.42	18.45	18.46	0.0	19.30
			36	18	25.06	25.10	25.16	24.76	25.05	0.0	25.70	18.30	18.38	18.44	18.43	18.20	0.0	19.30
			75	0	24.40	24.66	24.67	24.34	24.58	0.5	25.20	18.26	18.33	18.41	18.41	18.31	0.0	19.30
		QPSK	1	1	24.89	25.14	25.08	24.91	25.16	0.0	25.70	18.21	18.51	18.48	18.38	18.35	0.0	19.30
			1	38	25.08	25.19	25.11	24.98	25.19	0.0	25.70	18.41	18.50	18.51	18.47	18.51	0.0	19.30
			1	76	25.11	25.18	25.16	25.12	25.09	0.0	25.70	18.41	18.54	18.31	18.32	18.34	0.0	19.30
			36	18	25.06	25.08	25.10	24.95	25.06	0.0	25.70	18.27	18.28	18.45	18.34	18.32	0.0	19.30
			75	0	24.19	24.20	24.09	23.95	24.07	1.0	24.70	18.23	18.29	18.41	18.41	18.59	0.0	19.30
		16QAM	1	1	23.97	24.15	24.20	24.06	24.00	1.0	24.70	18.45	18.39	18.38	18.20	18.59	0.0	19.30
		64QAM	1	1	22.69	22.56	22.42	22.41	22.45	2.5	23.20	18.45	18.52	18.45	18.29	18.43	0.0	19.30
		256QAM	1	1	20.51	20.70	20.69	20.56	20.65	4.5	21.20	18.37	18.43	18.46	18.41	18.32	0.0	19.30
	CP-OFDM	QPSK	1	1	23.58	23.48	23.45	23.47	23.66	1.5	24.20	18.55	18.48	18.37	18.19	18.44	0.0	19.30
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					647334	651666	656000	660266	664666			647334	651666	656000	660266	664666		
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	25.05	25.12	24.81	25.17	24.92	0.0	25.70	18.28	18.46	18.41	18.31	18.43	0.0	19.30
			1	25	25.11	25.10	25.12	25.17	25.00	0.0	25.70	18.32	18.39	18.40	18.55	18.25	0.0	19.30
			1	49	25.04	25.11	25.08	25.18	25.15	0.0	25.70	18.51	18.37	18.22	18.50	18.44	0.0	19.30
			25	12	25.00	25.15	25.10	25.11	24.98	0.0	25.70	18.20	18.31	18.33	18.42	18.34	0.0	19.30
			50	0	24.42	24.58	24.45	24.65	24.40	0.5	25.20	18.44	18.35	18.35	18.48	18.37	0.0	19.30
		QPSK	1	1	24.32	25.19	25.13	25.11	25.18	0.0	25.70	18.40	18.47	18.30	18.55	18.53	0.0	19.30
			1	25	25.10	25.00	25.12	25.16	24.88	0.0	25.70	18.47	18.37	18.32	18.36	18.60	0.0	19.30
			1	49	25.00	25.10	25.18	25.14	24.97	0.0	25.70	18.36	18.45	18.55	18.37	18.56	0.0	19.30
			25	12	24.96	25.09	25.08	25.20	25.15	0.0	25.70	18.43	18.36	18.32	18.47	18.39	0.0	19.30
			50	0	24.01	24.13	24.06	24.20	24.10	1.0	24.70	18.43	18.37	18.34	18.51	18.46	0.0	19.30
		16QAM	1	1	24.19	24.15	24.20	23.91	24.18	1.0	24.70	18.51	18.49	18.52	18.52	18.51	0.0	19.30
		64QAM	1	1	22.60	22.69	22.67	22.41	22.64	2.5	23.20	18.58	18.51	18.60	18.47	18.40	0.0	19.30
		256QAM	1	1	20.57	20.35	20.49	20.36	20.40	4.5	21.20	18.60	18.53	18.57	18.60	18.28	0.0	19.30
	CP-OFDM	QPSK	1	1	23.57	23.60	23.57	23.28	23.56	1.5	24.20	18.59	18.37	18.54	18.57	18.36	0.0	19.30

NR Band 77 (Block A) Measured Results (ANT8)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
100	DFS-s OFDM	PI/2 BPSK	1	1	19.00	0.0	19.50	19.77	0.0	20.50
			1	137	19.07	0.0	19.50	19.71	0.0	20.50
			1	271	19.07	0.0	19.50	19.88	0.0	20.50
			135	69	18.99	0.0	19.50	19.71	0.0	20.50
			270	0	19.00	0.0	19.50	19.86	0.0	20.50
		QPSK	1	1	19.04	0.0	19.50	19.78	0.0	20.50
			1	137	19.15	0.0	19.50	20.00	0.0	20.50
			1	271	18.92	0.0	19.50	19.73	0.0	20.50
			135	69	19.01	0.0	19.50	19.95	0.0	20.50
			270	0	19.03	0.0	19.50	20.00	0.0	20.50
		16QAM	1	1	18.94	0.0	19.50	19.74	0.0	20.50
		64QAM	1	1	18.50	0.0	19.50	19.72	0.0	20.50
		256QAM	1	1	18.80	0.0	19.50	18.71	1.0	19.50
	CP-OFDM	QPSK	1	1	19.02	0.0	19.50	19.69	0.0	20.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
90	DFS-s OFDM	PI/2 BPSK	1	1	19.01	0.0	19.50	19.71	0.0	20.50
			1	122	19.01	0.0	19.50	19.71	0.0	20.50
			1	243	19.07	0.0	19.50	19.77	0.0	20.50
			120	60	19.00	0.0	19.50	19.70	0.0	20.50
			243	0	19.01	0.0	19.50	19.71	0.0	20.50
		QPSK	1	1	19.15	0.0	19.50	19.85	0.0	20.50
			1	122	19.00	0.0	19.50	19.70	0.0	20.50
			1	243	19.05	0.0	19.50	19.75	0.0	20.50
			121	60	19.01	0.0	19.50	19.71	0.0	20.50
			243	0	19.03	0.0	19.50	19.73	0.0	20.50
		16QAM	1	1	18.85	0.0	19.50	19.50	0.0	20.50
		64QAM	1	1	18.78	0.0	19.50	19.76	0.0	20.50
		256QAM	1	1	18.80	0.0	19.50	18.73	1.0	19.50
	CP-OFDM	QPSK	1	1	18.83	0.0	19.50	19.54	0.0	20.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
80	DFS-s OFDM	PI/2 BPSK	1	1	19.04	0.0	19.50	19.74	0.0	20.50
			1	108	19.04	0.0	19.50	19.74	0.0	20.50
			1	215	19.06	0.0	19.50	19.76	0.0	20.50
			108	54	19.06	0.0	19.50	19.76	0.0	20.50
			216	0	19.03	0.0	19.50	19.73	0.0	20.50
		QPSK	1	1	19.06	0.0	19.50	19.76	0.0	20.50
			1	108	19.03	0.0	19.50	19.73	0.0	20.50
			1	215	19.08	0.0	19.50	19.78	0.0	20.50
			108	54	19.02	0.0	19.50	19.72	0.0	20.50
			216	0	19.04	0.0	19.50	19.74	0.0	20.50
		16QAM	1	1	18.71	0.0	19.50	19.68	0.0	20.50
		64QAM	1	1	18.85	0.0	19.50	19.81	0.0	20.50
		256QAM	1	1	19.08	0.0	19.50	18.89	1.0	19.50
	CP-OFDM	QPSK	1	1	18.75	0.0	19.50	19.37	0.0	20.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
70	DFS-s OFDM	PI/2 BPSK	1	1	19.10	0.0	19.50	19.80	0.0	20.50
			1	91	19.05	0.0	19.50	19.75	0.0	20.50
			1	187	19.07	0.0	19.50	19.77	0.0	20.50
			94	47	19.01	0.0	19.50	19.71	0.0	20.50
			180	0	19.03	0.0	19.50	19.73	0.0	20.50
		QPSK	1	1	19.18	0.0	19.50	19.88	0.0	20.50
			1	91	19.00	0.0	19.50	19.70	0.0	20.50
			1	187	19.11	0.0	19.50	19.81	0.0	20.50
			94	47	19.01	0.0	19.50	19.71	0.0	20.50
			180	0	19.01	0.0	19.50	19.71	0.0	20.50
		16QAM	1	1	18.31	0.0	19.50	19.60	0.0	20.50
		64QAM	1	1	18.45	0.0	19.50	19.68	0.0	20.50
		256QAM	1	1	18.68	0.0	19.50	18.48	1.0	19.50
	CP-OFDM	QPSK	1	1	18.35	0.0	19.50	19.45	0.0	20.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
60	DFS-s OFDM	PI/2 BPSK	1	1	19.02	0.0	19.50	19.72	0.0	20.50
			1	80	18.96	0.0	19.50	19.80	0.0	20.50
			1	160	19.07	0.0	19.50	19.77	0.0	20.50
			81	40	19.08	0.0	19.50	19.78	0.0	20.50
			162	0	19.04	0.0	19.50	19.74	0.0	20.50
		QPSK	1	1	19.13	0.0	19.50	19.83	0.0	20.50
			1	80	19.06	0.0	19.50	19.76	0.0	20.50
			1	160	19.20	0.0	19.50	19.90	0.0	20.50
			81	40	19.05	0.0	19.50	19.75	0.0	20.50
			162	0	19.10	0.0	19.50	19.80	0.0	20.50
		16QAM	1	1	18.60	0.0	19.50	19.40	0.0	20.50
		64QAM	1	1	18.83	0.0	19.50	19.88	0.0	20.50
		256QAM	1	1	18.52	0.0	19.50	18.64	1.0	19.50
	CP-OFDM	QPSK	1	1	18.84	0.0	19.50	19.35	0.0	20.50

NR Band 77 (Block A) Measured Results (ANT8) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					633332	MPR	Tune-up Limit		633332	MPR	Tune-up Limit	
					3499.98 MHz				3499.98 MHz			
50	DFS-s OFDM	PI/2 BPSK	1	1	19.08	0.0	19.50		19.78	0.0	20.50	
			1	66	19.10	0.0	19.50		19.80	0.0	20.50	
			1	131	19.03	0.0	19.50		19.73	0.0	20.50	
			64	32	19.03	0.0	19.50		19.73	0.0	20.50	
			128	0	19.04	0.0	19.50		19.74	0.0	20.50	
		QPSK	1	1	19.11	0.0	19.50		19.81	0.0	20.50	
			1	66	19.04	0.0	19.50		19.74	0.0	20.50	
			1	131	19.06	0.0	19.50		19.76	0.0	20.50	
			64	32	19.02	0.0	19.50		19.72	0.0	20.50	
			128	0	19.02	0.0	19.50		19.72	0.0	20.50	
		16QAM	1	1	18.57	0.0	19.50		19.39	0.0	20.50	
		64QAM	1	1	18.80	0.0	19.50		19.41	0.0	20.50	
		256QAM	1	1	19.05	0.0	19.50		18.57	1.0	19.50	
	CP-OFDM	QPSK	1	1	19.05	0.0	19.50		19.03	0.0	20.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					633332	MPR	Tune-up Limit		633332	MPR	Tune-up Limit	
					3499.98 MHz				3499.98 MHz			
40	DFS-s OFDM	PI/2 BPSK	1	1	19.11	0.0	19.50		19.81	0.0	20.50	
			1	53	19.13	0.0	19.50		19.83	0.0	20.50	
			1	104	19.14	0.0	19.50		19.84	0.0	20.50	
			50	28	19.03	0.0	19.50		19.73	0.0	20.50	
			100	0	19.03	0.0	19.50		19.73	0.0	20.50	
		QPSK	1	1	19.10	0.0	19.50		19.80	0.0	20.50	
			1	53	19.14	0.0	19.50		19.84	0.0	20.50	
			1	104	19.16	0.0	19.50		19.86	0.0	20.50	
			50	28	19.01	0.0	19.50		19.71	0.0	20.50	
			100	0	19.03	0.0	19.50		19.73	0.0	20.50	
		16QAM	1	1	18.82	0.0	19.50		19.82	0.0	20.50	
		64QAM	1	1	19.04	0.0	19.50		19.85	0.0	20.50	
		256QAM	1	1	19.10	0.0	19.50		18.88	1.0	19.50	
	CP-OFDM	QPSK	1	1	18.95	0.0	19.50		19.38	0.0	20.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					633332	MPR	Tune-up Limit		633332	MPR	Tune-up Limit	
					3499.98 MHz				3499.98 MHz			
30	DFS-s OFDM	PI/2 BPSK	1	1	19.20	0.0	19.50		19.88	0.0	20.50	
			1	38	19.02	0.0	19.50		19.86	0.0	20.50	
			1	76	19.03	0.0	19.50		19.90	0.0	20.50	
			36	18	18.95	0.0	19.50		19.90	0.0	20.50	
			75	0	18.98	0.0	19.50		19.86	0.0	20.50	
		QPSK	1	1	19.04	0.0	19.50		19.90	0.0	20.50	
			1	38	19.03	0.0	19.50		19.82	0.0	20.50	
			1	76	19.00	0.0	19.50		19.90	0.0	20.50	
			36	18	18.96	0.0	19.50		19.84	0.0	20.50	
			75	0	18.96	0.0	19.50		19.86	0.0	20.50	
		16QAM	1	1	18.69	0.0	19.50		19.68	0.0	20.50	
		64QAM	1	1	19.05	0.0	19.50		19.90	0.0	20.50	
		256QAM	1	1	18.35	0.0	19.50		18.45	1.0	19.50	
	CP-OFDM	QPSK	1	1	18.72	0.0	19.50		19.37	0.0	20.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					630666	633332	635998	MPR	Tune-up Limit	630666	633332	635998	MPR	Tune-up Limit
					3459.99 MHz	3499.98 MHz	3539.97 MHz			3459.99 MHz	3499.98 MHz	3539.97 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	18.90	18.79	18.96	0.0	19.50	19.90	19.87	19.85	0.0	20.50
			1	25	18.68	18.84	18.81	0.0	19.50	19.80	19.81	19.88	0.0	20.50
			1	49	18.81	18.86	18.96	0.0	19.50	19.90	19.89	19.78	0.0	20.50
			25	12	18.79	18.81	18.90	0.0	19.50	19.83	19.81	19.84	0.0	20.50
			50	0	18.77	18.88	18.87	0.0	19.50	19.84	19.82	19.74	0.0	20.50
		QPSK	1	1	18.94	18.76	18.87	0.0	19.50	19.76	19.89	19.75	0.0	20.50
			1	25	18.63	18.88	18.98	0.0	19.50	19.87	19.78	19.87	0.0	20.50
			1	49	18.80	18.74	18.83	0.0	19.50	19.82	19.74	19.90	0.0	20.50
			25	12	18.72	18.87	18.88	0.0	19.50	19.85	19.76	19.86	0.0	20.50
			50	0	18.79	18.88	18.87	0.0	19.50	19.89	19.80	19.89	0.0	20.50
		16QAM	1	1	18.59	18.66	18.69	0.0	19.50	19.70	19.61	19.63	0.0	20.50
		64QAM	1	1	18.99	18.68	18.80	0.0	19.50	19.80	19.84	19.79	0.0	20.50
		256QAM	1	1	18.53	18.59	18.37	0.0	19.50	18.40	18.10	18.07	1.0	19.50
	CP-OFDM	QPSK	1	1	18.85	18.64	18.80	0.0	19.50	19.55	19.45	19.64	0.0	20.50

NR Band 77 (Block C) Measured Results (ANT8)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
100	DFS-s OFDM	PI/2 BPSK	1	1	18.91	0.0	19.50	20.18	0.0	20.50
			1	137	18.36	0.0	19.50	20.02	0.0	20.50
			1	271	18.74	0.0	19.50	19.79	0.0	20.50
			135	69	18.96	0.0	19.50	20.11	0.0	20.50
			270	0	19.02	0.0	19.50	19.72	0.0	20.50
		QPSK	1	1	18.88	0.0	19.50	20.08	0.0	20.50
			1	137	19.20	0.0	19.50	20.15	0.0	20.50
			1	271	18.82	0.0	19.50	20.00	0.0	20.50
			135	69	18.99	0.0	19.50	20.15	0.0	20.50
			270	0	19.04	0.0	19.50	19.74	0.0	20.50
		16QAM	1	1	18.76	0.0	19.50	19.97	0.0	20.50
		64QAM	1	1	18.46	0.0	19.50	19.97	0.0	20.50
		256QAM	1	1	18.92	0.0	19.50	18.91	1.0	19.50
	CP-OFDM	QPSK	1	1	18.97	0.0	19.50	19.86	0.0	20.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
90	DFS-s OFDM	PI/2 BPSK	1	1	18.82	0.0	19.50	19.90	0.0	20.50
			1	122	18.83	0.0	19.50	19.60	0.0	20.50
			1	243	18.90	0.0	19.50	19.54	0.0	20.50
			120	60	18.90	0.0	19.50	19.66	0.0	20.50
			243	0	19.03	0.0	19.50	19.43	0.0	20.50
		QPSK	1	1	19.00	0.0	19.50	19.75	0.0	20.50
			1	122	18.82	0.0	19.50	19.71	0.0	20.50
			1	243	18.83	0.0	19.50	19.57	0.0	20.50
			120	60	18.95	0.0	19.50	19.64	0.0	20.50
			243	0	19.03	0.0	19.50	19.43	0.0	20.50
		16QAM	1	1	18.80	0.0	19.50	19.96	0.0	20.50
		64QAM	1	1	18.98	0.0	19.50	19.86	0.0	20.50
		256QAM	1	1	18.84	0.0	19.50	18.57	1.0	19.50
	CP-OFDM	QPSK	1	1	18.78	0.0	19.50	19.94	0.0	20.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
80	DFS-s OFDM	PI/2 BPSK	1	1	18.72	0.0	19.50	19.78	0.0	20.50
			1	108	18.77	0.0	19.50	19.65	0.0	20.50
			1	215	18.90	0.0	19.50	19.61	0.0	20.50
			108	54	18.89	0.0	19.50	19.71	0.0	20.50
			216	0	19.00	0.0	19.50	19.40	0.0	20.50
		QPSK	1	1	18.92	0.0	19.50	19.90	0.0	20.50
			1	108	18.97	0.0	19.50	19.87	0.0	20.50
			1	215	18.92	0.0	19.50	19.81	0.0	20.50
			108	54	18.96	0.0	19.50	19.90	0.0	20.50
			216	0	19.03	0.0	19.50	19.13	0.0	20.50
		16QAM	1	1	18.91	0.0	19.50	19.97	0.0	20.50
		64QAM	1	1	18.85	0.0	19.50	19.89	0.0	20.50
		256QAM	1	1	18.82	0.0	19.50	18.69	1.0	19.50
	CP-OFDM	QPSK	1	1	18.81	0.0	19.50	20.00	0.0	20.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
70	DFS-s OFDM	PI/2 BPSK	1	1	19.01	0.0	19.50	19.41	0.0	20.50
			1	91	18.59	0.0	19.50	19.57	0.0	20.50
			1	187	19.04	0.0	19.50	19.44	0.0	20.50
			90	45	18.94	0.0	19.50	19.61	0.0	20.50
			180	0	19.00	0.0	19.50	19.70	0.0	20.50
		QPSK	1	1	18.77	0.0	19.50	19.75	0.0	20.50
			1	91	18.88	0.0	19.50	19.65	0.0	20.50
			1	187	19.09	0.0	19.50	19.49	0.0	20.50
			90	45	18.92	0.0	19.50	19.67	0.0	20.50
			180	0	19.03	0.0	19.50	19.43	0.0	20.50
		16QAM	1	1	18.55	0.0	19.50	19.96	0.0	20.50
		64QAM	1	1	18.77	0.0	19.50	19.81	0.0	20.50
		256QAM	1	1	18.93	0.0	19.50	18.55	1.0	19.50
	CP-OFDM	QPSK	1	1	18.89	0.0	19.50	19.76	0.0	20.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
60	DFS-s OFDM	PI/2 BPSK	1	1	18.87	0.0	19.50	19.88	0.0	20.50
			1	80	18.33	0.0	19.50	19.46	0.0	20.50
			1	160	18.94	0.0	19.50	19.40	0.0	20.50
			81	40	18.92	0.0	19.50	19.45	0.0	20.50
			162	0	18.94	0.0	19.50	19.46	0.0	20.50
		QPSK	1	1	19.01	0.0	19.50	19.90	0.0	20.50
			1	80	18.94	0.0	19.50	19.50	0.0	20.50
			1	160	18.93	0.0	19.50	19.50	0.0	20.50
			81	40	18.95	0.0	19.50	19.47	0.0	20.50
			162	0	19.01	0.0	19.50	19.10	0.0	20.50
		16QAM	1	1	18.79	0.0	19.50	19.92	0.0	20.50
		64QAM	1	1	18.99	0.0	19.50	19.81	0.0	20.50
		256QAM	1	1	18.94	0.0	19.50	18.58	1.0	19.50
	CP-OFDM	QPSK	1	1	18.94	0.0	19.50	19.96	0.0	20.50

NR Band 77 (Block C) Measured Results (ANT8) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648334	652166	656000	659834	663666	MPR	Tune-up Limit	648334	652166	656000	659834	663666	MPR	Tune-up Limit
					3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz		
50	DFS-s OFDM	PI/2 BPSK	1	1	18.63	18.30	18.96	18.69	18.52	0.0	19.50	19.75	19.91	19.86	19.91	19.87	0.0	20.50
			1	66	18.69	18.69	18.91	18.50	18.69	0.0	19.50	19.84	19.82	20.00	19.63	19.45	0.0	20.50
			1	131	18.78	18.49	18.92	18.29	18.65	0.0	19.50	19.99	19.83	19.99	19.54	19.37	0.0	20.50
			64	32	18.71	19.00	18.91	18.48	18.60	0.0	19.50	19.99	19.82	19.97	19.60	19.46	0.0	20.50
			128	0	18.73	18.81	18.86	18.46	18.63	0.0	19.50	19.85	19.81	19.93	19.65	19.58	0.0	20.50
		QPSK	1	1	18.63	18.55	18.85	18.55	18.74	0.0	19.50	19.74	19.98	19.60	19.95	19.72	0.0	20.50
			1	66	18.65	18.99	18.85	18.36	18.46	0.0	19.50	19.89	19.61	19.97	19.49	19.40	0.0	20.50
			1	131	18.59	18.97	18.74	17.94	18.61	0.0	19.50	19.91	19.98	19.67	19.16	19.50	0.0	20.50
			64	32	18.75	18.98	18.93	18.40	18.66	0.0	19.50	19.91	19.88	19.95	19.64	19.57	0.0	20.50
			128	0	18.67	19.00	18.95	18.50	18.62	0.0	19.50	19.84	19.81	19.97	19.69	19.58	0.0	20.50
		16QAM	1	1	18.50	18.74	18.89	18.77	18.86	0.0	19.50	19.51	19.63	19.88	19.82	19.67	0.0	20.50
		64QAM	1	1	18.76	18.55	18.86	18.61	18.92	0.0	19.50	19.81	19.93	19.89	19.70	19.91	0.0	20.50
		256QAM	1	1	18.51	18.95	18.63	18.71	17.99	0.0	19.50	18.13	18.43	18.49	18.14	18.51	1.0	19.50
	CP-OFDM	QPSK	1	1	18.32	18.80	18.80	18.60	18.95	0.0	19.50	19.69	19.66	19.97	19.86	19.78	0.0	20.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648000	652000	656000	660000	664000	MPR	Tune-up Limit	648000	652000	656000	660000	664000	MPR	Tune-up Limit
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz		
40	DFS-s OFDM	PI/2 BPSK	1	1	18.75	18.74	18.85	18.86	18.33	0.0	19.50	19.95	19.96	19.87	19.87	19.82	0.0	20.50
			1	53	18.61	18.83	18.87	18.78	18.54	0.0	19.50	19.73	19.94	19.97	19.75	19.75	0.0	20.50
			1	104	18.92	18.81	18.85	18.37	18.64	0.0	19.50	19.91	19.84	19.92	19.65	19.62	0.0	20.50
			50	28	18.96	18.84	18.97	18.51	18.21	0.0	19.50	19.84	19.96	19.82	19.71	19.52	0.0	20.50
			100	0	18.93	18.80	18.81	18.50	18.27	0.0	19.50	19.78	19.81	19.87	19.76	19.56	0.0	20.50
		QPSK	1	1	18.78	18.63	18.94	18.88	18.42	0.0	19.50	19.66	19.83	19.99	19.91	19.79	0.0	20.50
			1	53	18.98	18.82	18.90	18.70	18.21	0.0	19.50	19.93	19.95	19.97	19.56	19.52	0.0	20.50
			1	104	18.94	18.83	18.78	18.48	18.22	0.0	19.50	19.92	19.83	19.82	19.67	19.55	0.0	20.50
			50	28	18.95	18.74	18.83	18.52	18.29	0.0	19.50	19.86	19.86	19.98	19.79	19.51	0.0	20.50
			100	0	19.00	18.83	18.87	18.48	18.43	0.0	19.50	19.85	19.86	20.00	19.79	19.50	0.0	20.50
		16QAM	1	1	18.65	18.75	18.82	18.30	18.54	0.0	19.50	19.71	19.94	19.96	19.83	19.62	0.0	20.50
		64QAM	1	1	18.68	18.84	18.88	18.95	18.58	0.0	19.50	19.94	19.81	19.88	19.86	19.69	0.0	20.50
		256QAM	1	1	18.92	18.95	18.94	18.97	18.43	0.0	19.50	18.58	18.78	18.88	18.57	17.84	1.0	19.50
	CP-OFDM	QPSK	1	1	18.88	18.94	18.70	18.55	18.92	0.0	19.50	19.64	19.71	19.87	19.81	19.62	0.0	20.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					647334	651666	656000	660266	664666	MPR	Tune-up Limit	647334	651666	656000	660266	664666	MPR	Tune-up Limit
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
30	DFS-s OFDM	PI/2 BPSK	1	1	18.87	18.80	18.81	18.45	18.39	0.0	19.50	19.98	19.87	19.81	19.56	19.87	0.0	20.50
			1	38	18.93	18.81	18.81	18.47	18.32	0.0	19.50	19.94	19.92	19.87	19.51	19.87	0.0	20.50
			1	76	18.72	18.90	18.90	18.53	18.21	0.0	19.50	19.96	19.87	19.88	19.73	19.73	0.0	20.50
			36	18	18.34	18.73	18.78	18.31	18.55	0.0	19.50	19.82	19.96	19.82	19.52	19.83	0.0	20.50
			75	0	18.76	18.86	18.90	18.33	18.60	0.0	19.50	19.84	19.83	19.96	19.55	19.87	0.0	20.50
		QPSK	1	1	18.91	18.77	18.91	18.58	18.62	0.0	19.50	19.85	19.75	19.91	19.60	19.90	0.0	20.50
			1	38	18.62	18.98	18.83	18.29	18.52	0.0	19.50	19.51	19.69	19.87	19.26	19.92	0.0	20.50
			1	76	18.99	18.83	18.86	18.35	18.81	0.0	19.50	19.98	19.98	19.91	19.61	19.66	0.0	20.50
			36	18	18.79	18.74	18.84	18.29	18.59	0.0	19.50	19.83	19.81	19.88	19.54	19.77	0.0	20.50
			75	0	18.87	18.79	18.78	18.43	18.60	0.0	19.50	19.92	19.86	19.81	19.53	19.80	0.0	20.50
		16QAM	1	1	18.65	18.92	18.82	18.54	18.95	0.0	19.50	19.65	19.91	19.90	19.66	19.92	0.0	20.50
		64QAM	1	1	18.75	18.84	18.80	18.27	18.84	0.0	19.50	19.81	19.71	19.88	19.98	19.89	0.0	20.50
		256QAM	1	1	18.58	18.22	18.26	18.24	18.28	0.0	19.50	18.86	18.49	18.54	18.46	18.03	1.0	19.50
	CP-OFDM	QPSK	1	1	18.88	18.74	18.87	18.60	18.70	0.0	19.50	19.94	19.87	19.94	19.74	19.96	0.0	20.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					647334	651666	656000	660266	664666	MPR	Tune-up Limit	647334	651666	656000	660266	664666	MPR	Tune-up Limit
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	18.92	18.78	18.90	18.89	18.81	0.0	19.50	19.89	19.91	19.94	19.86	19.91	0.0	20.50
			1	25	18.85	18.69	18.49	18.77	18.73	0.0	19.50	20.00	19.97	19.57	19.91	19.80	0.0	20.50
			1	49	18.90	18.78	18.42	18.31	18.83	0.0	19.50	19.96	19.68	19.71	19.92	19.83	0.0	20.50
			25	12	18.74	18.77	18.50	18.57	18.67	0.0	19.50	19.82	19.79	19.46	19.69	19.99	0.0	20.50
			50	0	18.87	18.67	18.33	18.67	18.75	0.0	19.50	19.82	19.87	19.56	19.65	19.90	0.0	20.50
		QPSK	1	1	18.96	18.88	18.69	18.88	18.71	0.0	19.50	19.92	19.93	19.64	19.86	19.97	0.0	20.50
			1	25	18.91	18.54	18.46	18.73	18.52	0.0	19.50	19.99	19.70	19.66	19.44	19.95	0.0	20.50
			1	49	18.96	18.82	18.56	18.82	18.75	0.0	19.50	19.90	19.88	19.69	19.54	19.79	0.0	20.50
			25	12	18.77	18.73	18.33	18.51	18.71	0.0	19.50	20.00	19.72	19.73	19.72	19.85	0.0	20.50
			50	0	18.87	18.71	18.34	18.75	18.69	0.0	19.50	19.82	19.98	19.68	19.67	19.97	0.0	20.50
		16QAM	1	1	18.94	18.64	18.84	18.93	18.88	0.0	19.50	19.94	19.98	19.85	19.63	19.82	0.0	20.50
		64QAM	1	1	18.83	18.53	18.60	18.71	18.50	0.0	19.50	19.80	19.76	19.95	19.36	19.85	0.0	20.50
		256QAM	1	1	18.48	18.44	18.23	17.80	18.00	0.0	19.50	18.02	17.95	17.95	18.20	18.00	1.0	19.50
	CP-OFDM	QPSK	1	1	18.59	19.00	18.55	18.93	18.51	0.0	19.50	19.96	19.97	19.57	19.84	19.91	0.0	20.50

NR Band 77 (Block A) Measured Results (ANT9)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
100	DFS-s OFDM	PI/2 BPSK	1	1	24.66	0.0	25.70	19.58	0.0	20.00
			1	137	24.81	0.0	25.70	19.61	0.0	20.00
			1	271	24.69	0.0	25.70	19.35	0.0	20.00
			135	69	24.75	0.0	25.70	19.55	0.0	20.00
			270	0	24.27	0.5	25.20	19.56	0.0	20.00
		QPSK	1	1	24.93	0.0	25.70	19.67	0.0	20.00
			1	137	25.05	0.0	25.70	19.70	0.0	20.00
			1	271	24.68	0.0	25.70	19.51	0.0	20.00
			135	69	24.76	0.0	25.70	19.70	0.0	20.00
			270	0	24.40	1.0	24.70	19.65	0.0	20.00
		16QAM	1	1	23.81	1.0	24.70	19.46	0.0	20.00
		64QAM	1	1	22.48	2.5	23.20	19.48	0.0	20.00
		256QAM	1	1	20.03	4.5	21.20	18.84	0.0	20.00
	CP-OFDM	QPSK	1	1	23.24	1.5	24.20	19.54	0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
90	DFS-s OFDM	PI/2 BPSK	1	1	24.65	0.0	25.70	19.61	0.0	20.00
			1	122	24.60	0.0	25.70	19.59	0.0	20.00
			1	243	24.43	0.0	25.70	19.39	0.0	20.00
			120	60	24.48	0.0	25.70	19.51	0.0	20.00
			243	0	24.37	0.5	25.20	19.55	0.0	20.00
		QPSK	1	1	24.73	0.0	25.70	19.67	0.0	20.00
			1	122	24.60	0.0	25.70	19.65	0.0	20.00
			1	243	24.57	0.0	25.70	19.61	0.0	20.00
			120	60	24.68	0.0	25.70	19.60	0.0	20.00
			243	0	23.71	1.0	24.70	19.64	0.0	20.00
		16QAM	1	1	23.75	1.0	24.70	19.59	0.0	20.00
		64QAM	1	1	22.42	2.5	23.20	19.65	0.0	20.00
		256QAM	1	1	20.08	4.5	21.20	18.82	0.0	20.00
	CP-OFDM	QPSK	1	1	23.21	1.5	24.20	19.62	0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
80	DFS-s OFDM	PI/2 BPSK	1	1	24.85	0.0	25.70	19.69	0.0	20.00
			1	108	24.41	0.0	25.70	19.66	0.0	20.00
			1	215	24.45	0.0	25.70	19.42	0.0	20.00
			108	54	24.55	0.0	25.70	19.69	0.0	20.00
			216	0	24.05	0.5	25.20	19.68	0.0	20.00
		QPSK	1	1	25.05	0.0	25.70	19.63	0.0	20.00
			1	108	24.34	0.0	25.70	19.67	0.0	20.00
			1	215	24.36	0.0	25.70	19.57	0.0	20.00
			108	54	24.46	0.0	25.70	19.63	0.0	20.00
			216	0	23.53	1.0	24.70	19.62	0.0	20.00
		16QAM	1	1	24.01	1.0	24.70	19.67	0.0	20.00
		64QAM	1	1	21.98	2.5	23.20	18.84	0.0	20.00
		256QAM	1	1	20.54	4.5	21.20	19.00	0.0	20.00
	CP-OFDM	QPSK	1	1	23.12	1.5	24.20	19.65	0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
70	DFS-s OFDM	PI/2 BPSK	1	1	24.69	0.0	25.70	19.52	0.0	20.00
			1	91	24.26	0.0	25.70	19.21	0.0	20.00
			1	187	24.22	0.0	25.70	19.30	0.0	20.00
			90	45	24.14	0.0	25.70	19.63	0.0	20.00
			180	0	24.20	0.5	25.20	19.64	0.0	20.00
		QPSK	1	1	24.82	0.0	25.70	19.68	0.0	20.00
			1	91	24.77	0.0	25.70	19.61	0.0	20.00
			1	187	24.35	0.0	25.70	19.38	0.0	20.00
			90	45	24.21	0.0	25.70	19.68	0.0	20.00
			180	0	23.70	1.0	24.70	19.66	0.0	20.00
		16QAM	1	1	23.72	1.0	24.70	19.58	0.0	20.00
		64QAM	1	1	22.33	2.5	23.20	19.67	0.0	20.00
		256QAM	1	1	20.07	4.5	21.20	18.53	0.0	20.00
	CP-OFDM	QPSK	1	1	23.12	1.5	24.20	19.70	0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
60	DFS-s OFDM	PI/2 BPSK	1	1	24.75	0.0	25.70	19.68	0.0	20.00
			1	80	24.38	0.0	25.70	19.45	0.0	20.00
			1	160	24.46	0.0	25.70	19.36	0.0	20.00
			81	40	24.74	0.0	25.70	19.69	0.0	20.00
			162	0	24.16	0.5	25.20	19.55	0.0	20.00
		QPSK	1	1	25.04	0.0	25.70	19.64	0.0	20.00
			1	80	24.85	0.0	25.70	19.63	0.0	20.00
			1	160	24.32	0.0	25.70	19.41	0.0	20.00
			81	40	24.69	0.0	25.70	19.65	0.0	20.00
			162	0	23.67	1.0	24.70	19.68	0.0	20.00
		16QAM	1	1	23.14	1.0	24.70	19.62	0.0	20.00
		64QAM	1	1	22.41	2.5	23.20	19.68	0.0	20.00
		256QAM	1	1	20.43	4.5	21.20	18.81	0.0	20.00
	CP-OFDM	QPSK	1	1	23.03	1.5	24.20	19.65	0.0	20.00

NR Band 77 (Block A) Measured Results (ANT9) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					633332	MPR	Tune-up Limit		633332	MPR	Tune-up Limit	
					3499.98 MHz				3499.98 MHz			
50	DFS-s OFDM	PI/2 BPSK	1	1	24.14	0.0	25.70		19.35	0.0	20.00	
			1	66	24.45	0.0	25.70		19.61	0.0	20.00	
			1	131	24.17	0.0	25.70		19.41	0.0	20.00	
			64	32	24.56	0.0	25.70		19.62	0.0	20.00	
			128	0	24.24	0.5	25.20		19.61	0.0	20.00	
		QPSK	1	1	24.88	0.0	25.70		19.62	0.0	20.00	
			1	66	24.40	0.0	25.70		19.59	0.0	20.00	
			1	131	24.42	0.0	25.70		19.45	0.0	20.00	
			64	32	24.53	0.0	25.70		19.69	0.0	20.00	
			128	0	23.83	1.0	24.70		19.70	0.0	20.00	
		16QAM	1	1	23.96	1.0	24.70		19.68	0.0	20.00	
		64QAM	1	1	22.12	2.5	23.20		19.60	0.0	20.00	
		256QAM	1	1	20.31	4.5	21.20		18.77	0.0	20.00	
	CP-OFDM	QPSK	1	1	23.26	1.5	24.20		19.64	0.0	20.00	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					633332	MPR	Tune-up Limit		633332	MPR	Tune-up Limit	
					3499.98 MHz				3499.98 MHz			
40	DFS-s OFDM	PI/2 BPSK	1	1	24.78	0.0	25.70		19.65	0.0	20.00	
			1	53	24.44	0.0	25.70		19.66	0.0	20.00	
			1	104	24.51	0.0	25.70		19.33	0.0	20.00	
			50	28	24.62	0.0	25.70		19.56	0.0	20.00	
			100	0	24.31	0.5	25.20		19.56	0.0	20.00	
		QPSK	1	1	25.03	0.0	25.70		19.61	0.0	20.00	
			1	53	24.89	0.0	25.70		19.53	0.0	20.00	
			1	104	24.73	0.0	25.70		19.56	0.0	20.00	
			50	28	24.78	0.0	25.70		19.52	0.0	20.00	
			100	0	23.32	1.0	24.70		19.67	0.0	20.00	
		16QAM	1	1	23.48	1.0	24.70		19.66	0.0	20.00	
		64QAM	1	1	22.36	2.5	23.20		19.58	0.0	20.00	
		256QAM	1	1	20.06	4.5	21.20		18.39	0.0	20.00	
	CP-OFDM	QPSK	1	1	23.38	1.5	24.20		19.58	0.0	20.00	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					633332	MPR	Tune-up Limit		633332	MPR	Tune-up Limit	
					3499.98 MHz				3499.98 MHz			
30	DFS-s OFDM	PI/2 BPSK	1	1	24.67	0.0	25.70		19.68	0.0	20.00	
			1	38	24.64	0.0	25.70		19.55	0.0	20.00	
			1	76	24.52	0.0	25.70		19.68	0.0	20.00	
			36	18	24.48	0.0	25.70		19.68	0.0	20.00	
			75	0	24.53	0.5	25.20		19.65	0.0	20.00	
		QPSK	1	1	24.77	0.0	25.70		19.64	0.0	20.00	
			1	38	24.67	0.0	25.70		19.66	0.0	20.00	
			1	76	24.60	0.0	25.70		19.64	0.0	20.00	
			36	18	24.59	0.0	25.70		19.68	0.0	20.00	
			75	0	23.54	1.0	24.70		19.69	0.0	20.00	
		16QAM	1	1	23.54	1.0	24.70		19.64	0.0	20.00	
		64QAM	1	1	22.41	2.5	23.20		19.65	0.0	20.00	
		256QAM	1	1	20.05	4.5	21.20		18.50	0.0	20.00	
	CP-OFDM	QPSK	1	1	23.10	1.5	24.20		19.61	0.0	20.00	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					630666	633332	635998	MPR	Tune-up Limit	630666	633332	635998	MPR	Tune-up Limit
					3459.99 MHz	3499.98 MHz	3539.97 MHz			3459.99 MHz	3499.98 MHz	3539.97 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.44	24.28	24.37	0.0	25.70	19.65	19.67	19.60	0.0	20.00
			1	25	24.43	24.16	24.64	0.0	25.70	19.68	19.67	19.41	0.0	20.00
			1	49	24.65	24.65	24.14	0.0	25.70	19.68	19.63	19.33	0.0	20.00
			25	12	24.51	24.54	24.42	0.0	25.70	19.39	19.49	19.43	0.0	20.00
			50	0	24.11	24.53	24.45	0.5	25.20	19.40	19.52	19.48	0.0	20.00
		QPSK	1	1	24.50	24.85	24.69	0.0	25.70	19.63	19.63	19.49	0.0	20.00
			1	25	24.53	24.77	24.72	0.0	25.70	19.63	19.60	19.35	0.0	20.00
			1	49	24.54	24.80	24.67	0.0	25.70	19.65	19.56	19.48	0.0	20.00
			25	12	24.48	24.52	24.42	0.0	25.70	19.39	19.44	19.42	0.0	20.00
			50	0	23.52	23.62	23.93	1.0	24.70	19.39	19.49	19.39	0.0	20.00
		16QAM	1	1	23.75	23.79	24.05	1.0	24.70	19.67	19.68	19.53	0.0	20.00
		64QAM	1	1	21.84	22.22	22.03	2.5	23.20	19.65	19.58	19.59	0.0	20.00
		256QAM	1	1	20.21	20.12	20.52	4.5	21.20	18.54	18.48	18.93	0.0	20.00
	CP-OFDM	QPSK	1	1	23.47	23.29	23.55	1.5	24.20	19.61	19.63	19.50	0.0	20.00

NR Band 77 (Block C) Measured Results (ANT9)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 656000 3840 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 656000 3840 MHz	MPR	Tune-up Limit
100	DFS-s OFDM	PI/2 BPSK	1	1	24.75	0.0	25.70	19.06	0.0	20.00
			1	137	25.02	0.0	25.70	19.23	0.0	20.00
			1	271	24.75	0.0	25.70	19.20	0.0	20.00
			135	69	24.79	0.0	25.70	19.27	0.0	20.00
			270	0	24.38	0.5	25.20	18.92	0.0	20.00
		QPSK	1	1	24.85	0.0	25.70	19.15	0.0	20.00
			1	137	25.05	0.0	25.70	19.33	0.0	20.00
			1	271	24.87	0.0	25.70	19.14	0.0	20.00
			135	69	24.90	0.0	25.70	19.50	0.0	20.00
			270	0	24.38	1.0	24.70	19.20	0.0	20.00
		16QAM	1	1	23.72	1.0	24.70	18.76	0.0	20.00
		64QAM	1	1	22.22	2.5	23.20	19.12	0.0	20.00
		256QAM	1	1	20.13	4.5	21.20	18.70	0.0	20.00
	CP-OFDM	QPSK	1	1	23.44	1.5	24.20	18.82	0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 656000 3840 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 656000 3840 MHz	MPR	Tune-up Limit
90	DFS-s OFDM	PI/2 BPSK	1	1	24.36	0.0	25.70	19.23	0.0	20.00
			1	122	24.88	0.0	25.70	19.23	0.0	20.00
			1	243	24.77	0.0	25.70	19.04	0.0	20.00
			120	60	24.81	0.0	25.70	19.04	0.0	20.00
			243	0	24.41	0.5	25.20	19.00	0.0	20.00
		QPSK	1	1	24.83	0.0	25.70	18.98	0.0	20.00
			1	122	24.85	0.0	25.70	18.99	0.0	20.00
			1	243	24.96	0.0	25.70	19.03	0.0	20.00
			120	60	24.83	0.0	25.70	18.98	0.0	20.00
			243	0	23.79	1.0	24.70	19.01	0.0	20.00
		16QAM	1	1	23.74	1.0	24.70	18.97	0.0	20.00
		64QAM	1	1	22.37	2.5	23.20	19.19	0.0	20.00
		256QAM	1	1	20.23	4.5	21.20	18.76	0.0	20.00
	CP-OFDM	QPSK	1	1	23.41	1.5	24.20	18.98	0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 656000 3840 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 656000 3840 MHz	MPR	Tune-up Limit
80	DFS-s OFDM	PI/2 BPSK	1	1	24.90	0.0	25.70	19.14	0.0	20.00
			1	108	24.76	0.0	25.70	19.10	0.0	20.00
			1	215	24.88	0.0	25.70	19.04	0.0	20.00
			108	54	24.92	0.0	25.70	19.03	0.0	20.00
			216	0	24.53	0.5	25.20	19.06	0.0	20.00
		QPSK	1	1	24.77	0.0	25.70	19.12	0.0	20.00
			1	108	24.92	0.0	25.70	19.24	0.0	20.00
			1	215	25.00	0.0	25.70	19.03	0.0	20.00
			108	54	24.89	0.0	25.70	19.00	0.0	20.00
			216	0	23.84	1.0	24.70	19.05	0.0	20.00
		16QAM	1	1	23.78	1.0	24.70	18.92	0.0	20.00
		64QAM	1	1	22.41	2.5	23.20	19.14	0.0	20.00
		256QAM	1	1	20.12	4.5	21.20	18.76	0.0	20.00
	CP-OFDM	QPSK	1	1	23.11	1.5	24.20	19.15	0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 656000 3840 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 656000 3840 MHz	MPR	Tune-up Limit
70	DFS-s OFDM	PI/2 BPSK	1	1	24.66	0.0	25.70	18.87	0.0	20.00
			1	91	24.74	0.0	25.70	18.87	0.0	20.00
			1	187	24.79	0.0	25.70	19.00	0.0	20.00
			90	45	24.78	0.0	25.70	18.91	0.0	20.00
			180	0	24.40	0.5	25.20	18.86	0.0	20.00
		QPSK	1	1	24.87	0.0	25.70	18.89	0.0	20.00
			1	91	25.01	0.0	25.70	18.96	0.0	20.00
			1	187	24.89	0.0	25.70	19.17	0.0	20.00
			90	45	24.78	0.0	25.70	18.92	0.0	20.00
			180	0	23.80	1.0	24.70	18.97	0.0	20.00
		16QAM	1	1	23.66	1.0	24.70	18.94	0.0	20.00
		64QAM	1	1	22.39	2.5	23.20	19.15	0.0	20.00
		256QAM	1	1	20.17	4.5	21.20	19.04	0.0	20.00
	CP-OFDM	QPSK	1	1	23.37	1.5	24.20	18.84	0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 656000 3840 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 656000 3840 MHz	MPR	Tune-up Limit
60	DFS-s OFDM	PI/2 BPSK	1	1	24.61	0.0	25.70	19.13	0.0	20.00
			1	80	24.86	0.0	25.70	19.13	0.0	20.00
			1	160	24.92	0.0	25.70	19.06	0.0	20.00
			81	40	24.83	0.0	25.70	19.16	0.0	20.00
			162	0	24.40	0.5	25.20	19.12	0.0	20.00
		QPSK	1	1	24.73	0.0	25.70	19.14	0.0	20.00
			1	80	24.99	0.0	25.70	19.20	0.0	20.00
			1	160	25.05	0.0	25.70	19.10	0.0	20.00
			81	40	24.80	0.0	25.70	19.25	0.0	20.00
			162	0	23.82	1.0	24.70	19.12	0.0	20.00
		16QAM	1	1	24.02	1.0	24.70	19.17	0.0	20.00
		64QAM	1	1	22.54	2.5	23.20	18.83	0.0	20.00
		256QAM	1	1	20.11	4.5	21.20	18.92	0.0	20.00
	CP-OFDM	QPSK	1	1	23.22	1.5	24.20	19.33	0.0	20.00

NR Band 77 (Block C) Measured Results (ANT9) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					648334	652166	656000	659834	663666			648334	652166	656000	659834	663666		
					3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz		
50	DFS-s OFDM	PI/2 BPSK	1	1	24.76	24.84	24.72	24.61	24.79	0.0	25.70	18.69	18.95	18.92	18.80	18.84	0.0	20.00
			1	66	24.81	24.72	24.80	24.67	24.70	0.0	25.70	18.78	18.87	18.92	18.84	18.84	0.0	20.00
			1	131	24.70	24.64	24.59	24.62	24.65	0.0	25.70	18.87	18.61	18.68	18.76	18.83	0.0	20.00
			64	32	24.62	24.83	24.71	24.70	24.67	0.0	25.70	18.56	18.68	18.85	18.65	18.73	0.0	20.00
			128	0	24.06	24.33	24.15	24.17	24.09	0.5	25.20	18.56	18.76	18.80	18.67	18.67	0.0	20.00
		QPSK	1	1	24.82	24.81	24.83	24.75	24.90	0.0	25.70	18.59	18.70	18.60	18.86	18.68	0.0	20.00
			1	66	24.96	24.73	24.63	24.81	24.80	0.0	25.70	18.63	18.75	18.79	18.89	18.59	0.0	20.00
			1	131	24.56	24.75	24.70	24.62	24.74	0.0	25.70	18.78	18.82	18.81	18.87	18.82	0.0	20.00
			64	32	24.64	24.83	24.61	24.63	24.75	0.0	25.70	18.56	18.67	18.82	18.72	18.55	0.0	20.00
			128	0	23.54	23.93	23.63	23.56	23.63	1.0	24.70	18.63	18.73	18.79	18.65	18.67	0.0	20.00
		16QAM	1	1	23.66	23.78	23.70	23.81	23.85	1.0	24.70	18.68	18.77	18.65	18.77	18.85	0.0	20.00
		64QAM	1	1	22.27	22.30	22.34	22.34	22.43	2.5	23.20	18.76	18.69	18.93	18.72	18.60	0.0	20.00
		256QAM	1	1	20.35	20.28	20.10	20.13	20.29	4.5	21.20	18.56	18.78	18.65	18.60	18.78	0.0	20.00
	CP-OFDM	QPSK	1	1	23.08	23.12	23.17	23.29	23.10	1.5	24.20	18.73	18.67	18.67	18.62	18.67	0.0	20.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					648000	652000	656000	660000	664000			648000	652000	656000	660000	664000		
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz		
40	DFS-s OFDM	PI/2 BPSK	1	1	24.80	24.73	24.65	24.70	24.64	0.0	25.70	18.77	18.59	18.91	18.67	18.57	0.0	20.00
			1	53	24.79	24.63	24.65	24.66	24.76	0.0	25.70	18.85	18.76	18.70	18.94	18.97	0.0	20.00
			1	104	24.75	24.73	24.62	24.72	24.87	0.0	25.70	18.81	18.66	18.81	18.86	18.77	0.0	20.00
			50	28	24.60	24.87	24.61	24.69	24.57	0.0	25.70	18.70	18.70	18.67	18.72	18.57	0.0	20.00
			100	0	24.25	24.16	24.21	24.30	24.07	0.5	25.20	18.74	18.79	18.66	18.70	18.57	0.0	20.00
		QPSK	1	1	24.74	24.80	24.69	24.56	24.61	0.0	25.70	18.77	18.57	18.78	18.73	18.83	0.0	20.00
			1	53	24.84	24.72	24.71	24.76	24.84	0.0	25.70	18.83	18.78	18.91	18.80	18.82	0.0	20.00
			1	104	24.73	24.81	24.89	24.83	24.73	0.0	25.70	18.75	18.78	18.64	18.90	18.75	0.0	20.00
			50	28	24.65	24.81	24.69	24.78	24.65	0.0	25.70	18.74	18.71	18.77	18.72	18.57	0.0	20.00
			100	0	23.66	23.80	23.71	23.73	23.51	1.0	24.70	18.67	18.72	18.77	18.86	18.59	0.0	20.00
		16QAM	1	1	23.82	23.64	23.73	23.50	23.85	1.0	24.70	18.78	18.75	18.58	18.88	18.79	0.0	20.00
		64QAM	1	1	22.27	22.13	22.23	22.21	22.21	2.5	23.20	18.73	18.62	18.88	18.88	18.58	0.0	20.00
		256QAM	1	1	20.33	20.18	20.17	20.23	20.38	4.5	21.20	18.77	18.71	18.77	18.66	18.75	0.0	20.00
	CP-OFDM	QPSK	1	1	23.40	23.21	23.20	23.25	23.11	1.5	24.20	18.72	18.63	18.65	18.72	18.71	0.0	20.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					647334	651666	656000	660266	664666			647334	651666	656000	660266	664666		
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
30	DFS-s OFDM	PI/2 BPSK	1	1	24.64	24.65	24.87	24.66	24.62	0.0	25.70	18.75	18.78	18.75	18.83	18.89	0.0	20.00
			1	38	24.62	24.75	24.80	24.65	24.75	0.0	25.70	18.91	18.91	18.74	18.81	19.01	0.0	20.00
			1	76	24.93	24.56	24.93	24.70	24.50	0.0	25.70	18.83	18.92	18.82	18.85	18.75	0.0	20.00
			36	18	24.69	24.69	24.53	24.74	24.43	0.0	25.70	18.53	18.65	18.65	18.56	18.55	0.0	20.00
			75	0	24.54	24.11	24.09	24.22	24.00	0.5	25.20	18.52	18.65	18.61	18.64	18.59	0.0	20.00
		QPSK	1	1	24.85	24.85	24.81	24.63	24.64	0.0	25.70	18.65	18.80	18.71	18.62	18.82	0.0	20.00
			1	38	24.71	24.79	24.57	24.91	24.61	0.0	25.70	18.78	18.78	18.78	18.90	18.97	0.0	20.00
			1	76	24.75	24.81	24.64	24.70	24.62	0.0	25.70	18.63	18.81	18.72	18.80	18.66	0.0	20.00
			36	18	24.66	24.71	24.72	24.71	24.59	0.0	25.70	18.65	18.73	18.78	18.56	18.59	0.0	20.00
			75	0	23.57	23.70	23.53	23.54	23.56	1.0	24.70	18.54	18.67	18.56	18.71	18.56	0.0	20.00
		16QAM	1	1	23.96	23.63	23.91	23.96	23.95	1.0	24.70	18.71	18.70	18.89	19.10	18.65	0.0	20.00
		64QAM	1	1	22.20	22.24	22.13	22.29	22.32	2.5	23.20	18.72	18.75	18.58	18.78	18.85	0.0	20.00
		256QAM	1	1	20.47	20.30	20.30	20.34	20.35	4.5	21.20	18.66	18.69	18.50	18.96	18.80	0.0	20.00
	CP-OFDM	QPSK	1	1	23.17	23.29	23.23	23.19	23.32	1.5	24.20	18.96	18.98	18.94	19.17	18.82	0.0	20.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					647334	651666	656000	660266	664666			647334	651666	656000	660266	664666		
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	24.82	24.69	24.75	24.61	24.57	0.0	25.70	18.81	18.82	18.80	19.10	18.54	0.0	20.00
			1	25	24.74	24.58	24.78	24.79	24.57	0.0	25.70	18.60	18.76	18.64	19.13	18.95	0.0	20.00
			1	49	24.57	24.87	24.70	25.00	24.71	0.0	25.70	18.75	19.02	18.61	18.98	18.57	0.0	20.00
			25	12	24.68	24.93	24.68	24.68	24.65	0.0	25.70	18.76	19.06	18.66	18.56	18.61	0.0	20.00
			50	0	24.22	24.47	24.04	24.21	24.39	0.5	25.20	18.68	18.67	18.84	18.79	18.67	0.0	20.00
		QPSK	1	1	24.60	24.78	24.66	24.67	24.96	0.0	25.70	18.64	18.66	18.63	18.90	18.67	0.0	20.00
			1	25	24.81	24.96	24.94	24.94	24.85	0.0	25.70	18.65	19.13	18.57	18.83	18.68	0.0	20.00
			1	49	24.90	25.01	24.93	24.92	24.87	0.0	25.70	18.54	18.71	18.68	18.77	18.68	0.0	20.00
			25	12	24.77	24.89	24.89	24.81	24.76	0.0	25.70	18.62	19.01	18.55	18.55	18.53	0.0	20.00
			50	0	23.74	23.76	23.53	23.71	23.85	1.0	24.70	18.81	18.80	18.58	18.66	18.84	0.0	20.00
		16QAM	1	1	24.01	23.79	23.74	23.57	24.03	1.0	24.70	18.65	18.75	18.57	18.83	18.73	0.0	20.00
		64QAM	1	1	22.43	22.44	22.50	22.10	22.18	2.5	23.20	18.76	18.85	18.90	18.71	18.58	0.0	20.00
		256QAM	1	1	20.07	20.40	20.43	20.30	20.22	4.5	21.20	18.52	18.56	18.55	18.75	18.67	0.0	20.00
	CP-OFDM	QPSK	1	1	23.47	23.19	23.42	23.29	23.19	1.5	24.20	18.86	19.03	18.80	18.81	18.51	0.0	20.00

NR Band 77 (Block A) Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
100	DFS-s OFDM	PI/2 BPSK	1	1	19.44	0.0	20.00	18.90	0.0	19.50
			1	137	18.97	0.0	20.00	18.52	0.0	19.50
			1	271	18.94	0.0	20.00	18.52	0.0	19.50
			135	69	18.93	0.0	20.00	18.52	0.0	19.50
			270	0	18.94	0.0	20.00	18.53	0.0	19.50
		QPSK	1	1	19.44	0.0	20.00	18.88	0.0	19.50
			1	137	19.47	0.0	20.00	18.97	0.0	19.50
			1	271	18.94	0.0	20.00	18.52	0.0	19.50
			135	69	19.46	0.0	20.00	18.92	0.0	19.50
			270	0	19.42	0.0	20.00	18.95	0.0	19.50
		16QAM	1	1	19.42	0.0	20.00	18.94	0.0	19.50
		64QAM	1	1	19.41	0.0	20.00	18.09	0.0	19.50
		256QAM	1	1	18.76	0.5	19.50	18.69	0.0	19.50
	CP-OFDM	QPSK	1	1	19.43	0.0	20.00	18.95	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
90	DFS-s OFDM	PI/2 BPSK	1	1	19.43	0.0	20.00	18.88	0.0	19.50
			1	122	18.98	0.0	20.00	18.49	0.0	19.50
			1	243	18.92	0.0	20.00	18.50	0.0	19.50
			120	60	18.93	0.0	20.00	18.51	0.0	19.50
			243	0	18.91	0.0	20.00	18.52	0.0	19.50
		QPSK	1	1	19.44	0.0	20.00	18.88	0.0	19.50
			1	122	18.95	0.0	20.00	18.50	0.0	19.50
			1	243	18.95	0.0	20.00	18.51	0.0	19.50
			121	60	18.92	0.0	20.00	18.51	0.0	19.50
			243	0	18.94	0.0	20.00	18.52	0.0	19.50
		16QAM	1	1	19.39	0.0	20.00	18.93	0.0	19.50
		64QAM	1	1	19.38	0.0	20.00	18.07	0.0	19.50
		256QAM	1	1	18.76	0.5	19.50	18.68	0.0	19.50
	CP-OFDM	QPSK	1	1	19.42	0.0	20.00	18.93	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
80	DFS-s OFDM	PI/2 BPSK	1	1	19.42	0.0	20.00	18.90	0.0	19.50
			1	108	18.96	0.0	20.00	18.54	0.0	19.50
			1	215	18.94	0.0	20.00	18.52	0.0	19.50
			108	54	18.94	0.0	20.00	18.53	0.0	19.50
			216	0	18.94	0.0	20.00	18.53	0.0	19.50
		QPSK	1	1	19.43	0.0	20.00	18.97	0.0	19.50
			1	108	18.92	0.0	20.00	18.52	0.0	19.50
			1	215	18.94	0.0	20.00	18.53	0.0	19.50
			108	54	18.92	0.0	20.00	18.52	0.0	19.50
			216	0	18.91	0.0	20.00	18.52	0.0	19.50
		16QAM	1	1	19.42	0.0	20.00	18.94	0.0	19.50
		64QAM	1	1	19.41	0.0	20.00	18.09	0.0	19.50
		256QAM	1	1	18.76	0.5	19.50	18.69	0.0	19.50
	CP-OFDM	QPSK	1	1	19.40	0.0	20.00	18.94	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
70	DFS-s OFDM	PI/2 BPSK	1	1	19.42	0.0	20.00	18.90	0.0	19.50
			1	91	18.93	0.0	20.00	18.51	0.0	19.50
			1	187	18.94	0.0	20.00	18.52	0.0	19.50
			94	47	18.91	0.0	20.00	18.53	0.0	19.50
			180	0	18.93	0.0	20.00	18.50	0.0	19.50
		QPSK	1	1	19.42	0.0	20.00	18.97	0.0	19.50
			1	91	18.94	0.0	20.00	18.52	0.0	19.50
			1	187	18.94	0.0	20.00	18.53	0.0	19.50
			94	47	18.92	0.0	20.00	18.52	0.0	19.50
			180	0	18.93	0.0	20.00	18.51	0.0	19.50
		16QAM	1	1	19.41	0.0	20.00	18.94	0.0	19.50
		64QAM	1	1	19.39	0.0	20.00	18.09	0.0	19.50
		256QAM	1	1	18.74	0.5	19.50	18.67	0.0	19.50
	CP-OFDM	QPSK	1	1	19.38	0.0	20.00	18.93	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
60	DFS-s OFDM	PI/2 BPSK	1	1	19.42	0.0	20.00	18.97	0.0	19.50
			1	80	18.97	0.0	20.00	18.53	0.0	19.50
			1	160	18.90	0.0	20.00	18.53	0.0	19.50
			81	40	18.90	0.0	20.00	18.52	0.0	19.50
			162	0	18.94	0.0	20.00	18.52	0.0	19.50
		QPSK	1	1	19.41	0.0	20.00	18.97	0.0	19.50
			1	80	18.95	0.0	20.00	18.53	0.0	19.50
			1	160	18.94	0.0	20.00	18.53	0.0	19.50
			81	40	18.92	0.0	20.00	18.53	0.0	19.50
			162	0	18.94	0.0	20.00	18.53	0.0	19.50
		16QAM	1	1	19.40	0.0	20.00	18.95	0.0	19.50
		64QAM	1	1	19.39	0.0	20.00	17.97	0.0	19.50
		256QAM	1	1	18.75	0.5	19.50	18.71	0.0	19.50
	CP-OFDM	QPSK	1	1	19.43	0.0	20.00	18.92	0.0	19.50

NR Band 77 (Block A) Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					633332	MPR	Tune-up Limit		633332	MPR	Tune-up Limit	
					3499.98 MHz				3499.98 MHz			
50	DFS-s OFDM	PI/2 BPSK	1	1	19.42	0.0	20.00		18.97	0.0	19.50	
			1	66	18.97	0.0	20.00		18.50	0.0	19.50	
			1	131	18.90	0.0	20.00		18.49	0.0	19.50	
			64	32	18.90	0.0	20.00		18.51	0.0	19.50	
			128	0	18.94	0.0	20.00		18.52	0.0	19.50	
		QPSK	1	1	19.41	0.0	20.00		18.97	0.0	19.50	
			1	66	18.95	0.0	20.00		18.53	0.0	19.50	
			1	131	18.94	0.0	20.00		18.53	0.0	19.50	
			64	32	18.92	0.0	20.00		18.53	0.0	19.50	
			128	0	18.94	0.0	20.00		18.53	0.0	19.50	
		16QAM	1	1	19.40	0.0	20.00		18.95	0.0	19.50	
		64QAM	1	1	19.39	0.0	20.00		17.97	0.0	19.50	
		256QAM	1	1	18.75	0.5	19.50		18.68	0.0	19.50	
	CP-OFDM	QPSK	1	1	19.43	0.0	20.00		18.88	0.0	19.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					633332	MPR	Tune-up Limit		633332	MPR	Tune-up Limit	
					3499.98 MHz				3499.98 MHz			
40	DFS-s OFDM	PI/2 BPSK	1	1	19.41	0.0	20.00		18.89	0.0	19.50	
			1	53	18.95	0.0	20.00		18.53	0.0	19.50	
			1	104	18.90	0.0	20.00		18.50	0.0	19.50	
			50	28	18.90	0.0	20.00		18.51	0.0	19.50	
			100	0	18.91	0.0	20.00		18.53	0.0	19.50	
		QPSK	1	1	19.41	0.0	20.00		18.97	0.0	19.50	
			1	53	18.95	0.0	20.00		18.53	0.0	19.50	
			1	104	18.91	0.0	20.00		18.53	0.0	19.50	
			50	28	18.90	0.0	20.00		18.53	0.0	19.50	
			100	0	18.94	0.0	20.00		18.54	0.0	19.50	
		16QAM	1	1	19.41	0.0	20.00		18.93	0.0	19.50	
		64QAM	1	1	19.39	0.0	20.00		17.97	0.0	19.50	
		256QAM	1	1	18.75	0.5	19.50		18.68	0.0	19.50	
	CP-OFDM	QPSK	1	1	19.39	0.0	20.00		18.87	0.0	19.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					633332	MPR	Tune-up Limit		633332	MPR	Tune-up Limit	
					3499.98 MHz				3499.98 MHz			
30	DFS-s OFDM	PI/2 BPSK	1	1	19.40	0.0	20.00		18.89	0.0	19.50	
			1	38	18.95	0.0	20.00		18.54	0.0	19.50	
			1	76	18.93	0.0	20.00		18.50	0.0	19.50	
			36	18	18.92	0.0	20.00		18.48	0.0	19.50	
			75	0	18.91	0.0	20.00		18.53	0.0	19.50	
		QPSK	1	1	19.40	0.0	20.00		18.97	0.0	19.50	
			1	38	18.95	0.0	20.00		18.55	0.0	19.50	
			1	76	18.91	0.0	20.00		18.53	0.0	19.50	
			36	18	18.92	0.0	20.00		18.53	0.0	19.50	
			75	0	18.94	0.0	20.00		18.52	0.0	19.50	
		16QAM	1	1	19.41	0.0	20.00		18.92	0.0	19.50	
		64QAM	1	1	19.38	0.0	20.00		18.00	0.0	19.50	
		256QAM	1	1	18.75	0.5	19.50		18.71	0.0	19.50	
	CP-OFDM	QPSK	1	1	19.39	0.0	20.00		18.90	0.0	19.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					630666	633332	635998	MPR	Tune-up Limit	630666	633332	635998	MPR	Tune-up Limit
					3459.99 MHz	3499.98 MHz	3539.97 MHz			3459.99 MHz	3499.98 MHz	3539.97 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	19.42	19.43	19.44	0.0	20.00	18.97	18.88	18.89	0.0	19.50
			1	25	18.98	18.97	18.99	0.0	20.00	18.50	18.53	18.52	0.0	19.50
			1	49	18.96	18.97	18.98	0.0	20.00	18.50	18.52	18.52	0.0	19.50
			25	12	18.95	18.94	18.95	0.0	20.00	18.53	18.52	18.52	0.0	19.50
			50	0	18.94	18.94	18.94	0.0	20.00	18.52	18.52	18.54	0.0	19.50
		QPSK	1	1	19.43	19.41	19.45	0.0	20.00	18.96	18.97	18.97	0.0	19.50
			1	25	18.95	18.95	18.95	0.0	20.00	18.53	18.52	18.52	0.0	19.50
			1	49	18.94	18.94	18.96	0.0	20.00	18.53	18.52	18.52	0.0	19.50
			25	12	18.95	18.92	18.92	0.0	20.00	18.53	18.52	18.52	0.0	19.50
			50	0	18.94	18.93	18.94	0.0	20.00	18.53	18.52	18.52	0.0	19.50
		16QAM	1	1	19.42	19.39	19.39	0.0	20.00	18.95	18.94	18.93	0.0	19.50
		64QAM	1	1	19.40	19.41	19.41	0.0	20.00	17.97	18.09	18.08	0.0	19.50
		256QAM	1	1	18.72	18.73	18.70	0.5	19.50	18.68	18.69	18.69	0.0	19.50
	CP-OFDM	QPSK	1	1	19.41	19.43	19.42	0.0	20.00	18.91	18.95	18.94	0.0	19.50

NR Band 77 (Block C) Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 656000 3840 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 656000 3840 MHz	MPR	Tune-up Limit
100	DFS-s OFDM	PI/2 BPSK	1	1	19.10	0.0	20.00	18.82	0.0	19.50
			1	137	19.35	0.0	20.00	18.83	0.0	19.50
			1	271	19.22	0.0	20.00	18.43	0.0	19.50
			135	69	19.43	0.0	20.00	18.68	0.0	19.50
			270	0	19.39	0.0	20.00	18.35	0.0	19.50
		QPSK	1	1	19.40	0.0	20.00	18.87	0.0	19.50
			1	137	19.44	0.0	20.00	18.92	0.0	19.50
			1	271	19.30	0.0	20.00	18.60	0.0	19.50
			135	69	19.41	0.0	20.00	18.90	0.0	19.50
			270	0	19.41	0.0	20.00	18.89	0.0	19.50
		16QAM	1	1	19.39	0.0	20.00	18.75	0.0	19.50
		64QAM	1	1	19.33	0.0	20.00	18.77	0.0	19.50
		256QAM	1	1	18.77	0.5	19.50	18.44	0.0	19.50
	CP-OFDM	QPSK	1	1	19.25	0.0	20.00	18.65	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 656000 3840 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 656000 3840 MHz	MPR	Tune-up Limit
90	DFS-s OFDM	PI/2 BPSK	1	1	19.36	0.0	20.00	18.73	0.0	19.50
			1	122	19.18	0.0	20.00	18.77	0.0	19.50
			1	243	18.95	0.0	20.00	18.42	0.0	19.50
			120	60	19.19	0.0	20.00	18.67	0.0	19.50
			243	0	19.17	0.0	20.00	18.37	0.0	19.50
		QPSK	1	1	19.33	0.0	20.00	18.79	0.0	19.50
			1	122	19.21	0.0	20.00	18.66	0.0	19.50
			1	243	18.92	0.0	20.00	18.42	0.0	19.50
			120	60	19.13	0.0	20.00	18.65	0.0	19.50
			243	0	19.14	0.0	20.00	18.64	0.0	19.50
		16QAM	1	1	19.39	0.0	20.00	18.69	0.0	19.50
		64QAM	1	1	19.35	0.0	20.00	18.23	0.0	19.50
		256QAM	1	1	18.59	0.5	19.50	18.07	0.0	19.50
	CP-OFDM	QPSK	1	1	19.35	0.0	20.00	18.28	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 656000 3840 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 656000 3840 MHz	MPR	Tune-up Limit
80	DFS-s OFDM	PI/2 BPSK	1	1	19.29	0.0	20.00	18.73	0.0	19.50
			1	108	19.20	0.0	20.00	18.57	0.0	19.50
			1	215	18.95	0.0	20.00	18.38	0.0	19.50
			108	54	19.18	0.0	20.00	18.59	0.0	19.50
			216	0	19.23	0.0	20.00	17.85	0.0	19.50
		QPSK	1	1	19.29	0.0	20.00	18.70	0.0	19.50
			1	108	19.18	0.0	20.00	18.38	0.0	19.50
			1	215	19.01	0.0	20.00	18.17	0.0	19.50
			108	54	19.17	0.0	20.00	18.37	0.0	19.50
			216	0	19.15	0.0	20.00	18.36	0.0	19.50
		16QAM	1	1	19.30	0.0	20.00	18.37	0.0	19.50
		64QAM	1	1	19.31	0.0	20.00	18.81	0.0	19.50
		256QAM	1	1	18.87	0.5	19.50	18.55	0.0	19.50
	CP-OFDM	QPSK	1	1	19.30	0.0	20.00	18.00	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 656000 3840 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 656000 3840 MHz	MPR	Tune-up Limit
70	DFS-s OFDM	PI/2 BPSK	1	1	19.43	0.0	20.00	18.84	0.0	19.50
			1	91	19.13	0.0	20.00	18.69	0.0	19.50
			1	187	18.97	0.0	20.00	18.54	0.0	19.50
			90	45	19.19	0.0	20.00	18.91	0.0	19.50
			180	0	19.20	0.0	20.00	17.92	0.0	19.50
		QPSK	1	1	19.27	0.0	20.00	18.83	0.0	19.50
			1	91	19.29	0.0	20.00	18.73	0.0	19.50
			1	187	19.07	0.0	20.00	18.59	0.0	19.50
			90	45	19.19	0.0	20.00	18.69	0.0	19.50
			180	0	19.17	0.0	20.00	18.70	0.0	19.50
		16QAM	1	1	19.35	0.0	20.00	18.38	0.0	19.50
		64QAM	1	1	19.35	0.0	20.00	18.71	0.0	19.50
		256QAM	1	1	18.87	0.5	19.50	18.45	0.0	19.50
	CP-OFDM	QPSK	1	1	19.44	0.0	20.00	18.92	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 656000 3840 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 656000 3840 MHz	MPR	Tune-up Limit
60	DFS-s OFDM	PI/2 BPSK	1	1	19.31	0.0	20.00	18.62	0.0	19.50
			1	80	19.31	0.0	20.00	18.61	0.0	19.50
			1	160	19.02	0.0	20.00	18.54	0.0	19.50
			81	40	19.24	0.0	20.00	18.56	0.0	19.50
			162	0	19.21	0.0	20.00	18.32	0.0	19.50
		QPSK	1	1	19.36	0.0	20.00	18.62	0.0	19.50
			1	80	19.26	0.0	20.00	18.61	0.0	19.50
			1	160	19.17	0.0	20.00	18.40	0.0	19.50
			81	40	19.18	0.0	20.00	18.57	0.0	19.50
			162	0	19.19	0.0	20.00	18.51	0.0	19.50
		16QAM	1	1	19.33	0.0	20.00	18.89	0.0	19.50
		64QAM	1	1	19.42	0.0	20.00	18.76	0.0	19.50
		256QAM	1	1	18.89	0.5	19.50	18.67	0.0	19.50
	CP-OFDM	QPSK	1	1	19.41	0.0	20.00	18.78	0.0	19.50

NR Band 77 (Block C) Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648334	652166	656000	659834	663666	MPR	Tune-up Limit	648334	652166	656000	659834	663666	MPR	Tune-up Limit
					3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz		
50	DFS-s OFDM	PI/2 BPSK	1	1	19.35	19.02	19.16	18.65	19.03	0.0	20.00	18.45	18.46	18.50	18.53	18.84	0.0	19.50
			1	66	19.36	19.03	19.23	18.82	18.92	0.0	20.00	18.55	18.37	18.37	18.41	18.46	0.0	19.50
			1	131	19.10	19.05	18.99	19.01	18.92	0.0	20.00	18.36	18.42	18.20	18.30	18.25	0.0	19.50
			64	32	19.31	19.01	19.14	18.96	19.03	0.0	20.00	18.54	18.42	18.50	18.45	18.58	0.0	19.50
			128	0	19.28	19.02	19.15	18.94	19.03	0.0	20.00	18.11	18.00	17.92	18.36	18.03	0.0	19.50
		QPSK	1	1	19.29	19.13	19.26	19.10	19.36	0.0	20.00	18.45	18.55	18.57	18.54	18.77	0.0	19.50
			1	66	19.44	19.00	19.09	19.00	19.01	0.0	20.00	18.53	18.49	18.40	18.34	18.47	0.0	19.50
			1	131	19.23	19.11	18.95	18.88	18.83	0.0	20.00	18.25	18.49	18.32	18.33	18.28	0.0	19.50
			64	32	19.34	19.02	19.15	18.95	19.02	0.0	20.00	18.55	18.51	18.50	18.41	18.58	0.0	19.50
			128	0	19.27	19.03	19.15	18.97	19.02	0.0	20.00	18.50	18.57	18.47	18.40	18.56	0.0	19.50
		16QAM	1	1	19.35	19.25	19.36	19.30	19.19	0.0	20.00	18.19	18.34	18.42	18.24	18.55	0.0	19.50
		64QAM	1	1	19.36	19.13	19.14	18.87	19.27	0.0	20.00	18.21	18.31	18.65	18.28	18.59	0.0	19.50
		256QAM	1	1	18.87	18.82	18.84	18.79	18.91	0.5	19.50	18.55	18.30	18.32	18.27	18.59	0.0	19.50
	CP-OFDM	QPSK	1	1	19.19	19.40	19.22	18.87	19.30	0.0	20.00	18.42	18.53	18.64	18.33	18.50	0.0	19.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648000	652000	656000	660000	664000	MPR	Tune-up Limit	648000	652000	656000	660000	664000	MPR	Tune-up Limit
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz		
40	DFS-s OFDM	PI/2 BPSK	1	1	19.41	19.37	19.28	19.17	19.19	0.0	20.00	18.62	18.39	18.50	18.53	18.58	0.0	19.50
			1	53	19.16	19.18	19.13	18.99	19.00	0.0	20.00	18.53	18.28	18.32	18.34	18.23	0.0	19.50
			1	104	19.38	19.20	18.99	19.09	19.00	0.0	20.00	18.62	18.31	18.30	18.36	18.23	0.0	19.50
			50	28	19.36	19.07	19.08	19.08	18.97	0.0	20.00	18.56	18.26	18.27	18.58	18.28	0.0	19.50
			100	0	19.38	18.85	19.14	19.14	19.01	0.0	20.00	17.87	18.00	18.32	18.11	18.34	0.0	19.50
		QPSK	1	1	19.44	19.03	19.31	19.43	19.32	0.0	20.00	18.62	18.30	18.61	18.58	18.41	0.0	19.50
			1	53	19.37	18.89	19.16	19.24	19.12	0.0	20.00	18.64	18.25	18.40	18.36	18.30	0.0	19.50
			1	104	19.38	19.03	19.08	19.34	19.14	0.0	20.00	18.80	18.31	18.92	18.54	18.23	0.0	19.50
			50	28	19.34	18.89	19.13	19.15	18.94	0.0	20.00	18.56	18.24	18.89	18.25	17.94	0.0	19.50
			100	0	19.33	18.93	19.14	19.22	19.00	0.0	20.00	18.55	18.30	18.87	18.34	18.01	0.0	19.50
		16QAM	1	1	19.43	19.04	19.21	19.44	19.40	0.0	20.00	18.15	18.30	18.89	18.75	18.59	0.0	19.50
		64QAM	1	1	19.36	19.18	19.37	19.35	19.35	0.0	20.00	18.40	18.42	18.48	18.84	18.13	0.0	19.50
		256QAM	1	1	18.94	18.89	18.85	18.89	18.42	0.5	19.50	18.72	18.67	18.33	18.37	17.90	0.0	19.50
	CP-OFDM	QPSK	1	1	18.89	19.03	19.28	19.38	19.39	0.0	20.00	18.58	18.41	18.73	18.37	18.78	0.0	19.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					647334	651666	656000	660266	664666	MPR	Tune-up Limit	647334	651666	656000	660266	664666	MPR	Tune-up Limit
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
30	DFS-s OFDM	PI/2 BPSK	1	1	18.95	19.18	19.28	18.97	18.75	0.0	20.00	18.48	18.27	18.29	18.57	18.62	0.0	19.50
			1	38	18.85	19.36	18.73	18.87	19.11	0.0	20.00	18.64	18.52	18.33	18.37	18.39	0.0	19.50
			1	76	19.23	19.27	18.70	18.79	19.18	0.0	20.00	18.79	18.70	18.29	18.26	18.50	0.0	19.50
			36	18	18.91	19.35	18.81	18.95	18.93	0.0	20.00	18.51	18.50	18.30	18.28	18.53	0.0	19.50
			75	0	19.03	19.40	18.84	18.91	19.01	0.0	20.00	17.84	18.00	18.30	18.25	17.84	0.0	19.50
		QPSK	1	1	19.04	19.34	18.99	19.29	19.26	0.0	20.00	18.55	17.97	18.18	18.56	18.64	0.0	19.50
			1	38	19.05	19.32	19.11	18.86	18.89	0.0	20.00	18.35	18.45	18.36	18.34	18.25	0.0	19.50
			1	76	19.27	19.37	19.09	18.74	19.38	0.0	20.00	18.91	18.51	18.39	18.39	18.40	0.0	19.50
			36	18	18.91	19.37	18.80	18.80	19.10	0.0	20.00	18.72	18.30	18.30	18.18	18.36	0.0	19.50
			75	0	18.99	19.40	18.87	18.85	19.01	0.0	20.00	18.82	18.30	18.55	18.87	18.50	0.0	19.50
		16QAM	1	1	19.27	19.32	19.04	19.29	19.38	0.0	20.00	18.55	18.18	18.75	18.78	18.55	0.0	19.50
		64QAM	1	1	19.32	19.34	19.02	19.12	19.28	0.0	20.00	18.58	18.73	18.07	18.23	18.37	0.0	19.50
		256QAM	1	1	18.90	18.58	18.91	18.87	18.82	0.5	19.50	18.68	18.67	18.39	18.35	18.50	0.0	19.50
	CP-OFDM	QPSK	1	1	19.40	19.04	19.15	18.85	19.10	0.0	20.00	18.21	18.58	18.14	18.76	18.78	0.0	19.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					647334	651666	656000	660266	664666	MPR	Tune-up Limit	647334	651666	656000	660266	664666	MPR	Tune-up Limit
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	19.41	18.80	18.92	19.01	19.23	0.0	20.00	18.40	18.46	18.30	18.69	18.50	0.0	19.50
			1	25	19.41	18.72	18.84	18.90	19.01	0.0	20.00	18.70	18.19	18.38	18.35	18.47	0.0	19.50
			1	49	19.39	18.94	18.78	18.90	18.88	0.0	20.00	18.66	18.47	18.53	18.34	18.74	0.0	19.50
			25	12	19.36	18.83	18.84	18.85	18.94	0.0	20.00	18.32	18.52	18.33	18.32	17.94	0.0	19.50
			50	0	19.44	18.71	18.88	18.82	18.96	0.0	20.00	18.00	17.95	17.90	18.26	18.00	0.0	19.50
		QPSK	1	1	19.42	18.77	18.92	18.94	18.93	0.0	20.00	18.10	18.55	18.49	18.74	18.67	0.0	19.50
			1	25	19.37	18.87	19.11	18.97	18.90	0.0	20.00	18.36	18.59	18.38	18.47	18.55	0.0	19.50
			1	49	19.41	18.88	18.78	18.65	19.07	0.0	20.00	18.36	18.64	18.53	18.49	18.61	0.0	19.50
			25	12	19.35	18.71	18.92	18.81	19.00	0.0	20.00	18.16	18.43	18.31	18.44	18.58	0.0	19.50
			50	0	19.42	18.74	18.88	18.79	19.00	0.0	20.00	18.32	18.36	18.38	17.97	18.56	0.0	19.50
		16QAM	1	1	19.38	19.08	18.88	19.13	19.42	0.0	20.00	18.78	18.88	17.99	18.06	18.88	0.0	19.50
		64QAM	1	1	19.41	18.94	19.23	19.38	19.34	0.0	20.00	18.86	18.56	18.87	18.58	18.88	0.0	19.50
		256QAM	1	1	18.46	18.60	18.71	18.86	18.65	0.5	19.50	17.94	18.08	18.19	18.44	18.13	0.0	19.50
	CP-OFDM	QPSK	1	1	19.02	18.70	18.69	18.73	19.14	0.0	20.00	18.46	18.08	18.42	18.17	18.63	0.0	19.50

9.8. Wi-Fi 2.4GHz (DTS Band)

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

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

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

Tune-up Output Power for Wi-Fi 2.4 GHz

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

Channel	Frequency (MHz)	Tune-up Output Power (dBm)																										
		ANT3 / ANT4																										
		b (SISO)	g (SISO) Low Rate	g (SISO) Mid Rate	g (SISO) High Rate	11n/11ac HT20 (SISO) Low Rate	11n/11ac HT20 (SISO) Mid Rate	11n/11ac HT20 (SISO) High Rate	11ax HE20 (SISO) Low Rate	11ax HE20 (SISO) Mid Rate	11ax HE20 (SISO) High Rate	11ax HE20 RU242 (SISO)	11ax HE20 RU106 (SISO)	11ax HE20 RU52 (SISO)	11ax HE20 RU26 (SISO)	11n/11ac HT20 (2Tx, nonTxBF) Low Rate	11n/11ac HT20 (2Tx, nonTxBF) Mid Rate	11n/11ac HT20 (2Tx, nonTxBF) High Rate	11ax HE20 (2Tx, nonTxBF) Low Rate	11ax HE20 (2Tx, nonTxBF) Mid Rate	11ax HE20 (2Tx, nonTxBF) High Rate	11ax HE20 RU242 (2Tx, nonTxBF)	11ax HE20 RU106 (2Tx, nonTxBF)	11ax HE20 RU52 (2Tx, nonTxBF)	11ax HE20 RU26 (2Tx, nonTxBF)
1	2412	**21.5**	17.5	17.0	16.5	17.5	17.0	16.5	15.5	15.3	15.0	15.0	15.0	15.0	12.0	17.3	16.8	16.3	15.3	15.0	14.8	14.8	14.8	14.8	12.0			
2	2417	**21.5**	19.5	19.5	19.5	19.5	19.5	19.5	18.0	18.0	18.0	18.0	18.0	15.0	12.0	18.5	18.5	18.5	17.0	17.0	17.0	17.0	17.0	15.0	12.0			
3	2422	**21.5**	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	20.0	20.0	20.0	19.0	19.0	19.0	19.0	18.0	15.0	12.0			
4	2427	**21.5**	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0			
5	2432	**21.5**	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0			
6	2437	**21.5**	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0			
7	2442	**21.5**	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0			
8	2447	**21.5**	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0			
9	2452	**21.5**	21.0	21.0	21.0	21.0	21.0	21.0	21.5	21.5	21.5	21.5	18.0	15.0	12.0	19.5	19.5	19.5	18.5	18.5	18.5	18.5	18.0	15.0	12.0			
10	2457	**21.5**	19.5	19.5	19.5	19.5	19.5	19.5	18.0	18.0	18.0	18.0	18.0	15.0	12.0	18.5	18.5	18.5	17.0	17.0	17.0	17.0	17.0	15.0	12.0			
11	2462	**21.5**	17.5	17.0	16.5	17.5	17.0	16.5	17.0	16.5	16.0	16.0	16.0	15.0	12.0	17.3	16.8	16.3	16.0	15.5	15.0	15.0	15.0	15.0	12.0			
12	2467	**21.5**	16.5	16.0	15.5	16.5	16.0	15.5	15.0	14.5	14.0	14.0	14.0	14.0	12.0	15.0	14.5	14.0	14.0	13.5	13.0	13.0	13.0	13.0	12.0			
13	2472	**17.5**	13.5	13.3	13.0	13.5	13.3	13.0	8.0	8.0	8.0	8.0	4.0	1.0	0.0	12.0	11.8	11.5	7.8	7.8	7.8	7.8	3.0	0.0	0.0			

Wi-Fi 2.4 GHz (P_{cell_OFF} and P_{cell_ON})

For 2.4 GHz band, there are two use cases:

- P_{Cell_ON}: This will be used when both WWAN and Wi-Fi radios are ON.
- P_{Cell_OFF}: This will be used when only Wi-Fi radio is ON

Mode	Channel	Frequency (MHz)	Tune-up Output Power (dBm) Pcell OFF				Tune-up Output Power (dBm) Pcell ON			
			ANT3		ANT4		ANT3		ANT4	
			Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
802.11b DSSS (SISO)	1	2412	21.50	19.75	19.75	21.00	19.75	16.75	15.00	17.75
	2	2417	21.50	19.75	19.75	21.00	19.75	16.75	15.00	17.75
	3	2422	21.50	19.75	19.75	21.00	19.75	16.75	15.00	17.75
	4	2427	21.50	19.75	19.75	21.00	19.75	16.75	15.00	17.75
	5	2432	21.50	19.75	19.75	21.00	19.75	16.75	15.00	17.75
	6	2437	21.50	19.75	19.75	21.00	19.75	16.75	15.00	17.75
	7	2442	21.50	19.75	19.75	21.00	19.75	16.75	15.00	17.75
	8	2447	21.50	19.75	19.75	21.00	19.75	16.75	15.00	17.75
	9	2452	21.50	19.75	19.75	21.00	19.75	16.75	15.00	17.75
	10	2457	21.50	19.75	19.75	21.00	19.75	16.75	15.00	17.75
	11	2462	21.50	19.75	19.75	21.00	19.75	16.75	15.00	17.75
	12	2467	21.50	19.75	19.75	21.00	19.75	16.75	15.00	17.75
	13	2472	17.50	17.50	17.50	17.50	17.50	16.75	15.00	17.50

Wi-Fi 2.4GHz Measured Results

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

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

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

Power Mode	Antenna	Mode	Power Mode A					Power Mode B				
			Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)
Pcell OFF	ANT3	DSSS 802.11b	1	2412	19.57	21.50	Yes	1	2412	18.05	19.75	Yes
			6	2437	20.22			6	2437	18.66		
			11	2462	20.17			11	2462	17.89		
	ANT4	DSSS 802.11b	1	2412	17.87	19.75	Yes	1	2412	19.40	21.00	Yes
			6	2437	18.33			6	2437	19.87		
			11	2462	17.85			11	2462	19.42		
Power Mode	Antenna	Mode	Power Mode A					Power Mode B				
			Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)
Pcell ON	ANT3	DSSS 802.11b	1	2412	17.90	19.75	Yes	1	2412	14.78	16.75	Yes
			6	2437	18.66			6	2437	15.62		
			11	2462	17.91			11	2462	14.83		
	ANT4	DSSS 802.11b	1	2412	13.30	15.00	Yes	1	2412	16.04	17.75	Yes
			6	2437	13.58			6	2437	16.37		
			11	2462	13.06			11	2462	15.99		

Note(s):

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

9.9. Wi-Fi 5GHz (U-NII Bands)

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

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

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

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

Tune-up Output Power for Wi-Fi 5 GHz

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

Bandwidth	Band	Channel	Frequency (MHz)	Tune-up Output Power (dBm)																																
				ANT5 / ANT6																																
				a (SISO) Low Rate	a (SISO) Mid Rate	a (SISO) High Rate	11n/11ac HT20 (SISO) Low Rate	11n/11ac HT20 (SISO) Mid Rate	11n/11ac HT20 (SISO) High Rate	11ax HE20 (SISO) Low Rate	11ax HE20 (SISO) Mid Rate	11ax HE20 (SISO) High Rate	FCC 11ax HE20 RU242 (SISO)	FCC 11ax HE20 RU106 (SISO)	FCC 11ax HE20 RU52 (SISO)	FCC 11ax HE20 RU26 (SISO)	11n/11ac HT20 (2Tx, CDD, nonTXBF) Low Rate	11n/11ac HT20 (2Tx, CDD, nonTXBF) Mid Rate	11n/11ac HT20 (2Tx, CDD, nonTXBF) High Rate	11ax HE20 (2Tx, CDD, nonTxBF) Low Rate	11ax HE20 (2Tx, CDD, nonTxBF) Mid Rate	11ax HE20 (2Tx, CDD, nonTxBF) High Rate	11ax HE20 RU242 (2Tx, CDD, nonTxBF)	11ax HE20 RU106 (2Tx, CDD, nonTxBF)	11ax HE20 RU52 (2Tx, CDD, nonTxBF)	11ax HE20 RU26 (2Tx, CDD, nonTxBF)	11n/11ac HT20 (2Tx, SDM, nonTxBF) Low Rate	11n/11ac HT20 (2Tx, SDM, nonTxBF) Mid Rate	11n/11ac HT20 (2Tx, SDM, nonTxBF) High Rate	11ax HE20 (2Tx, SDM, nonTXBF) Low Rate	11ax HE20 (2Tx, SDM, nonTXBF) Mid Rate	11ax HE20 (2Tx, SDM, nonTXBF) High Rate	11ax HE20 RU242 (2Tx, SDM, nonTxBF)	11ax HE20 RU106 (2Tx, SDM, nonTxBF)	11ax HE20 RU52 (2Tx, SDM, nonTxBF)	11ax HE20 RU26 (2Tx, SDM, nonTxBF)
20 MHz	U-NII-1	36	5180	20.0	19.5	19.0	20.0	19.5	19.0	19.0	18.5	18.0	18.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		40	5200	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		44	5220	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		48	5240	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
	U-NII-2A	52	5260	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		56	5280	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		60	5300	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		64	5320	20.0	19.5	19.0	20.0	19.5	19.0	19.0	18.5	18.0	18.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
	U-NII-2C	100	5500	20.0	19.5	19.0	20.0	19.5	19.0	19.0	18.5	18.0	18.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		104	5520	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		108	5540	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		112	5560	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		116	5580	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		120	5600	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		124	5620	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		128	5640	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		132	5660	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		136	5680	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
		140	5700	18.0	17.5	17.0	18.0	17.5	17.0	17.5	17.0	16.5	16.5	16.5	15.0	12.0	17.0	17.0	16.5	17.0	16.5	16.0	16.0	15.0	12.0	9.0	17.0	17.0	16.5	17.0	16.5	16.0	16.0	15.0	12.0	9.0
		144	5720	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	15.0	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	12.0	9.0
	U-NII-3	149	5745	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0
		153	5765	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0
		157	5785	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0
		161	5805	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0
		165	5825	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0
Bandwidth	Band	Channel	Frequency (MHz)				11n/11ac HT40 (SISO) Low Rate	11n/11ac HT40 (SISO) Mid Rate	11n/11ac HT40 (SISO) High Rate	11ax HE40 (SISO) Low Rate	11ax HE40 (SISO) Mid Rate	11ax HE40 (SISO) High Rate	FCC 11ax HE40 RU484 (SISO)	FCC 11ax HE40 RU106 (SISO)	FCC 11ax HE40 RU52 (SISO)	FCC 11ax HE40 RU26 (SISO)	11n/11ac HT40 (2Tx, CDD, nonTXBF) Low Rate	11n/11ac HT40 (2Tx, CDD, nonTXBF) Mid Rate	11n/11ac HT40 (2Tx, CDD, nonTXBF) High Rate	11ax HE40 (2Tx, CDD, nonTxBF) Low Rate	11ax HE40 (2Tx, CDD, nonTxBF) Mid Rate	11ax HE40 (2Tx, CDD, nonTxBF) High Rate	11ax HE40 RU484 (2Tx, CDD, nonTxBF)	11ax HE40 RU106 (2Tx, CDD, nonTxBF)	11ax HE40 RU52 (2Tx, CDD, nonTxBF)	11ax HE40 RU26 (2Tx, CDD, nonTxBF)	11n/11ac HT40 (2Tx, SDM, nonTxBF) Low Rate	11n/11ac HT40 (2Tx, SDM, nonTxBF) Mid Rate	11n/11ac HT40 (2Tx, SDM, nonTxBF) High Rate	11ax HE40 (2Tx, SDM, nonTXBF) Low Rate	11ax HE40 (2Tx, SDM, nonTXBF) Mid Rate	11ax HE40 (2Tx, SDM, nonTXBF) High Rate	11ax HE40 RU484 (2Tx, SDM, nonTxBF)	11ax HE40 RU106 (2Tx, SDM, nonTxBF)	11ax HE40 RU52 (2Tx, SDM, nonTxBF)	11ax HE40 RU26 (2Tx, SDM, nonTxBF)
40MHz	U-NII-1	38	5190				17.5	17.0	16.5	17.0	16.5	16.0	16.0	16.0	14.0	11.0	17.0	16.5	16.0	16.5	16.0	15.5	15.5	15.0	12.0	9.0	17.0	16.5	16.0	16.5	16.0	15.5	15.5	15.0	12.0	9.0
		46	5230				20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0	19.5	19.5	19.5	19.5	19.5	19.5	19.5	15.0	12.0	9.0	19.5	19.5	19.5	19.5	19.5	19.5	19.5	15.0	12.0	9.0
	U-NII-2A	54	5270				20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0	19.5	19.5	19.5	19.5	19.5	19.5	19.5	15.0	12.0	9.0	19.5	19.5	19.5	19.5	19.5	19.5	19.5	15.0	12.0	9.0
		62	5310				17.5	17.0	16.5	16.0	15.5	15.0	15.0	16.0	14.0	11.0	16.5	16.0	15.5	15.5	15.0	14.5	14.5	15.0	12.0	9.0	16.5	16.0	15.5	15.5	15.0	14.5	14.5	15.0	12.0	9.0
	U-NII-2C	102	5510				16.0	15.5	15.0	16.0	15.5	15.0	15.0	16.0	14.0	11.0	15.5	15.0	14.5	15.5	15.0	14.5	14.5	15.0	12.0	9.0	15.5	15.0	14.5	15.5	15.0	14.5	14.5	15.0	12.0	9.0
		110	5550				20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0	19.5	19.5	19.5	19.5	19.5	19.5	19.5	15.0	12.0	9.0	19.5	19.5	19.5	19.5	19.5	19.5	19.5	15.0	12.0	9.0
		118	5590				20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0	19.5	19.5	19.5	19.5	19.5	19.5	19.5	15.0	12.0	9.0	19.5	19.5	19.5	19.5	19.5	19.5	19.5	15.0	12.0	9.0
		126	5630				20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0	19.5	19.5	19.5	19.5	19.5	19.5	19.5	15.0	12.0	9.0	19.5	19.5	19.5	19.5	19.5	19.5	19.5	15.0	12.0	9.0
		134	5670				20.0	19.5	19.0	20.0	19.5	19.0	19.0	17.0	14.0	11.0	19.5	19.0	18.5	19.5	19.0	18.5	18.5	15.0	12.0	9.0	19.5	19.0	18.5	19.5	19.0	18.5	18.5	15.0	12.0	9.0
		142	5710				20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0	19.5	19.5	19.5	19.5	19.5	19.5	19.5	15.0	12.0	9.0	19.5	19.5	19.5	19.5	19.5	19.5	19.5	15.0	12.0	9.0
	U-NII-3	151	5755				20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0	20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0	20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0
		159	5795				20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0	20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0	20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0
Bandwidth	Band	Channel	Frequency (MHz)				11ac VHT80 (SISO) Low Rate	11ac VHT80 (SISO) Mid Rate	11ac VHT80 (SISO) High Rate	11ax HE80 (SISO) Low Rate	11ax HE80 (SISO) Mid Rate	11ax HE80 (SISO) High Rate	FCC 11ax HE80 RU996 (SISO)	FCC 11ax HE80 RU106 (SISO)	FCC 11ax HE80 RU52 (SISO)	FCC 11ax HE80 RU26 (SISO)	11ac VHT80 (2Tx, CDD, nonTXBF) Low Rate	11ac VHT80 (2Tx, CDD, nonTXBF) Mid Rate	11ac VHT80 (2Tx, CDD, nonTXBF) High Rate	11ax HE80 (2Tx, CDD, nonTxBF) Low Rate	11ax HE80 (2Tx, CDD, nonTxBF) Mid Rate	11ax HE80 (2Tx, CDD, nonTxBF) High Rate	11ax HE80 RU996 (2Tx, CDD, nonTxBF)	11ax HE80 RU106 (2Tx, CDD, nonTxBF)	11ax HE80 RU52 (2Tx, CDD, nonTxBF)	11ax HE80 RU26 (2Tx, CDD, nonTxBF)	11n/11ac HT80 (2Tx, SDM, nonTxBF) Low Rate	11n/11ac HT80 (2Tx, SDM, nonTxBF) Mid Rate	11n/11ac HT80 (2Tx, SDM, nonTxBF) High Rate	11ax HE80 (2Tx, SDM, nonTXBF) Low Rate	11ax HE80 (2Tx, SDM, nonTXBF) Mid Rate	11ax HE80 (2Tx, SDM, nonTXBF) High Rate	11ax HE80 RU996 (2Tx, SDM, nonTxBF)	11ax HE80 RU106 (2Tx, SDM, nonTxBF)	11ax HE80 RU52 (2Tx, SDM, nonTxBF)	11ax HE80 RU26 (2Tx, SDM, nonTxBF)
80MHz	U-NII-1	42	5210				17.0	16.5	16.0	17.0	16.5	16.0	16.0	16.0	14.0	11.0	16.5	16.0	15.5	16.0	15.5	15.0	15.0	15.0	12.0	9.0	16.5	16.0	15.5	16.0	15.5	15.0	15.0	15.0	12.0	9.0
	U-NII-2A	58	5290				16.5	16.0	15.5	15.0	15.0	15.0	15.0	15.0	14.0	11.0	16.0	15.5	15.0	15.0	14.5	14.0	14.0	14.0	12.0	9.0	16.0	15.5	15.0	15.0	14.5	14.0	14.0	15.0	12.0	9.0
	U-NII-2C	106	5530				17.5	17.0	16.5	16.0	15.5	15.0	15.0	15.0	14.0	11.0	16.5	16.0	15.5	15.0	14.5	14.0	14.0	14.0	12.0	9.0	16.5	16.0	15.5	15.0	14.5	14.0	14.0	14.0	12.0	9.0
		122	5610				20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	15.0	12.0	9.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	15.0	12.0	9.0
		138	5690				20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	15.0	12.0	9.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	15.0	12.0	9.0
	U-NII-3	155	5775				20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	14.0	11.0	20.5	20.5	20.5	20.0	20.0	20.0	20.0	17.0	14.0	11.0	20.5	20.5	20.5	20.0	20.0	20.0	20.0	17.0	14.0	11.0

Wi-Fi 5 GHz (P_{cell_OFF} and P_{cell_ON})

For 5GHz band, there are two use cases:

- P_{Cell_ON}: This will be used when both WWAN and Wi-Fi radios are ON.
- P_{Cell_OFF}: This will be used when only Wi-Fi radio is ON

Mode	Bandwidth	Channel	Frequency	Tune-up Output Power (dBm) Pcell OFF				Tune-up Output Power (dBm) Pcell ON			
				ANT5		ANT6		ANT5		ANT6	
				Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
U-NII-1 5.2 GHz (SISO)	802.11a/n/ac 20 MHz	36	5180	20.00	17.50	19.50	20.00	17.25	13.50	13.50	16.25
		40	5200	20.00	17.50	19.50	20.00	17.25	13.50	13.50	16.25
		44	5220	20.00	17.50	19.50	20.00	17.25	13.50	13.50	16.25
		48	5240	20.00	17.50	19.50	20.00	17.25	13.50	13.50	16.25
	802.11n/ac 40 MHz	38	5190	17.50	17.50	17.50	17.50	17.25	13.50	13.50	16.25
		46	5230	20.50	17.50	19.50	20.50	17.25	13.50	13.50	16.25
	802.11n/ac 80 MHz	42	5210	17.00	17.00	17.00	17.00	17.00	13.50	13.50	16.25
U-NII-2A 5.3 GHz (SISO)	802.11a/n/ac 20 MHz	52	5260	20.00	17.25	19.00	20.00	16.25	13.25	13.75	16.25
		56	5280	20.00	17.25	19.00	20.00	16.25	13.25	13.75	16.25
		60	5300	20.00	17.25	19.00	20.00	16.25	13.25	13.75	16.25
		64	5320	20.00	17.25	19.00	20.00	16.25	13.25	13.75	16.25
	802.11n/ac 40 MHz	54	5270	20.50	17.25	19.00	20.50	16.25	13.25	13.75	16.25
		62	5310	17.50	17.50	17.50	17.50	16.25	13.25	13.75	16.25
	802.11n/ac 80 MHz	58	5290	16.50	16.50	16.50	16.50	16.25	13.25	13.75	16.25

Mode	Bandwidth	Channel	Frequency	Tune-up Output Power (dBm) Pcell OFF				Tune-up Output Power (dBm) Pcell ON			
				ANT5		ANT6		ANT5		ANT6	
				Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
U-NII-2C 5.5 GHz (SISO)	802.11a/n/ac 20 MHz	100	5500	20.00	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		104	5520	20.00	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		108	5540	20.00	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		112	5560	20.00	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		116	5580	20.00	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		120	5600	20.00	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		124	5620	20.00	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		128	5640	20.00	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		132	5660	20.00	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		136	5680	20.00	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		140	5700	18.00	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		144	5720	20.00	16.25	18.00	18.00	17.50	12.25	12.50	14.25
	802.11n/ac 40 MHz	102	5510	16.00	16.00	16.00	16.00	16.00	12.25	12.50	14.25
		110	5550	20.50	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		118	5590	20.50	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		126	5630	20.50	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		134	5670	20.00	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		142	5710	20.50	16.25	18.00	18.00	17.50	12.25	12.50	14.25
	802.11n/ac 80 MHz	106	5530	17.50	16.25	17.50	17.50	17.50	12.25	12.50	14.25
		122	5610	20.50	16.25	18.00	18.00	17.50	12.25	12.50	14.25
		138	5690	20.50	16.25	18.00	18.00	17.50	12.25	12.50	14.25

Mode	Bandwidth	Channel	Frequency	Tune-up Output Power (dBm) Pcell OFF				Tune-up Output Power (dBm) Pcell ON			
				ANT5		ANT6		ANT5		ANT6	
				Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
U-NII-3 5.8 GHz (SISO)	802.11a/n/ac 20 MHz	149	5745	21.50	15.50	18.75	18.00	16.25	11.50	12.75	14.25
		153	5765	21.50	15.50	18.75	18.00	16.25	11.50	12.75	14.25
		157	5785	21.50	15.50	18.75	18.00	16.25	11.50	12.75	14.25
		161	5805	21.50	15.50	18.75	18.00	16.25	11.50	12.75	14.25
		165	5825	21.50	15.50	18.75	18.00	16.25	11.50	12.75	14.25
	802.11n/ac 40 MHz	151	5755	20.50	15.50	18.75	18.00	16.25	11.50	12.75	14.25
		159	5795	20.50	15.50	18.75	18.00	16.25	11.50	12.75	14.25
	802.11ac 80 MHz	155	5775	20.50	15.50	18.75	18.00	16.25	11.50	12.75	14.25

Wi-Fi 5 GHz Measured Results

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

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

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

Antenna	Power Mode A							Power Mode B						
	Band	Mode	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)	Band	Mode	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)
ANT5	U-NII-2A	802.11n HT40	54	5270	19.22	20.50	Yes	U-NII-1	802.11n HT40	38	5190	16.01	17.50	Yes
			62	5310	16.04	17.50				46	5230	16.14	17.50	
	U-NII-2C	802.11ac VHT80	106	5530	15.85	17.50	Yes	U-NII-2C	802.11ac VHT80	106	5530	14.32	16.25	Yes
			122	5610	18.92	20.50				122	5610	14.52	16.25	
			138	5690	18.61	20.50				138	5690	14.36	16.25	
	U-NII-3	802.11a	149	5745	19.71	21.50	Yes	U-NII-3	802.11ac VHT80	155	5775	14.21	15.50	Yes
			157	5785	20.10									
			165	5825	19.95									
ANT6	U-NII-1	802.11n HT40	38	5190	16.49	17.50	Yes	U-NII-2A	802.11n HT40	54	5190	19.49	20.50	Yes
			46	5230	18.49	19.50				62	5230	16.49	17.50	
	U-NII-2C	802.11ac VHT80	106	5530	16.04	17.50	Yes	U-NII-2C	802.11ac VHT80	106	5530	16.04	17.50	Yes
			122	5610	16.53	18.00				122	5610	16.53	18.00	
			138	5690	16.51	18.00				138	5690	16.51	18.00	
	U-NII-3	802.11ac VHT80	155	5775	17.38	18.75	Yes	U-NII-3	802.11ac VHT80	155	5775	16.40	18.00	Yes

Antenna	Power Mode A							Power Mode B						
	Band	Mode	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)	Band	Mode	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)
ANT5	U-NII-2A	802.11n HT40	38	5190	15.53	17.25	Yes	U-NII-1	802.11ac VHT80	42	5120	11.63	13.50	Yes
			46	5230	15.80									
	U-NII-2C	802.11ac VHT80	106	5530	15.62	17.50	Yes	U-NII-2C	802.11ac VHT80	106	5530	10.26	12.25	Yes
			122	5610	16.21	17.50				122	5610	10.57	12.25	
			138	5690	15.72	17.50				138	5690	10.32	12.25	
	U-NII-3	802.11ac VHT80	155	5775	14.36	16.25	Yes	U-NII-3	802.11ac VHT80	155	5775	10.10	11.50	Yes
ANT6	U-NII-1	802.11ac VHT80	58	5290	12.62	13.75	Yes	U-NII-1	802.11ac VHT80	58	5290	15.18	16.25	Yes
	U-NII-2C	802.11ac VHT80	106	5530	11.13	12.50	Yes	U-NII-2C	802.11ac VHT80	106	5530	12.62	14.25	Yes
			122	5610	11.33					122	5610	12.81		
			138	5690	11.24					138	5690	12.70		
	U-NII-3	802.11ac VHT80	155	5775	11.56	12.75	Yes	U-NII-3	802.11ac VHT80	155	5775	12.86	14.25	Yes

9.10. Bluetooth

From October 2016 TCB workshop, this device power and SAR measured is performed with test software, the duty cycle is 100%.

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

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

Tune-up Output Power for Bluetooth (P_{low}, P_{high}, and $P_{standalone}$)

For Bluetooth, there are three use cases:

- Bluetooth P_{low} is used with Wi-Fi and WWAN antennas are active.
- Bluetooth P_{high} is used when Wi-Fi antenna is active and WWAN antenna is inactive or with Wi-Fi inactive and WWAN antenna is active.
- Bluetooth $P_{standalone}$ is used with Wi-Fi and WWAN antennas are inactive.

Mode	Tune-up Output Power (dBm)											
	Bluetooth P_{low}				Bluetooth P_{high}				Bluetooth $P_{standalone}$			
	ANT3		ANT4		ANT3		ANT4		ANT3		ANT4	
	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
GFSK	13.00	9.00	9.00	10.00	17.50	13.00	13.00	14.00	19.50	19.50	19.50	20.00
EDR	13.00	9.00	9.00	10.00	16.50	13.00	13.00	14.00	16.50	16.50	16.50	16.50
LE1M	13.00	9.00	9.00	10.00	17.50	13.00	13.00	14.00	19.50	19.50	19.50	20.00
LE2M	13.00	9.00	9.00	10.00	17.50	13.00	13.00	14.00	19.50	19.50	19.50	20.00
HDR4	12.00	9.00	9.00	10.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
HDR8	13.00	9.00	9.00	10.00	13.50	13.00	13.00	13.50	13.50	13.50	13.50	13.50

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

Bluetooth Measured Results

SAR measurement is not required for the 8PSK, BLE, and HDR. When the secondary mode is ≤ ¼ dB higher than the primary mode.

Power Mode	Antenna	Mode	Ch #	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
					Meas Pwr	Tune-up	SAR Test (Yes/No)	Meas Pwr	Tune-up	SAR Test (Yes/No)
Bluetooth P_{low}	ANT3	GFSK	0	2402	11.31	13.00	Yes	7.57	9.00	Yes
			39	2441	11.88			7.96		
			78	2480	11.73			7.95		
	ANT4	GFSK	0	2402	7.14	9.00	Yes	8.07	10.00	Yes
			39	2441	7.34			8.39		
			78	2480	7.33			8.28		
Bluetooth P_{high}	ANT3	GFSK	0	2402	15.65	17.50	Yes	11.12	13.00	Yes
			39	2441	16.41			11.88		
			78	2480	16.01			11.46		
	ANT4	GFSK	0	2402	11.31	13.00	Yes	12.09	14.00	Yes
			39	2441	11.47			12.39		
			78	2480	11.43			12.23		
Bluetooth $P_{standalone}$	ANT3	GFSK	0	2402	17.70	19.50	Yes	17.70	19.50	Yes
			39	2441	18.16			18.16		
			78	2480	18.15			18.15		
	ANT4	GFSK	0	2402	17.71	19.50	Yes	18.01	20.00	Yes
			39	2441	18.21			18.90		
			78	2480	18.35			18.69		

Duty Factor Measured Results

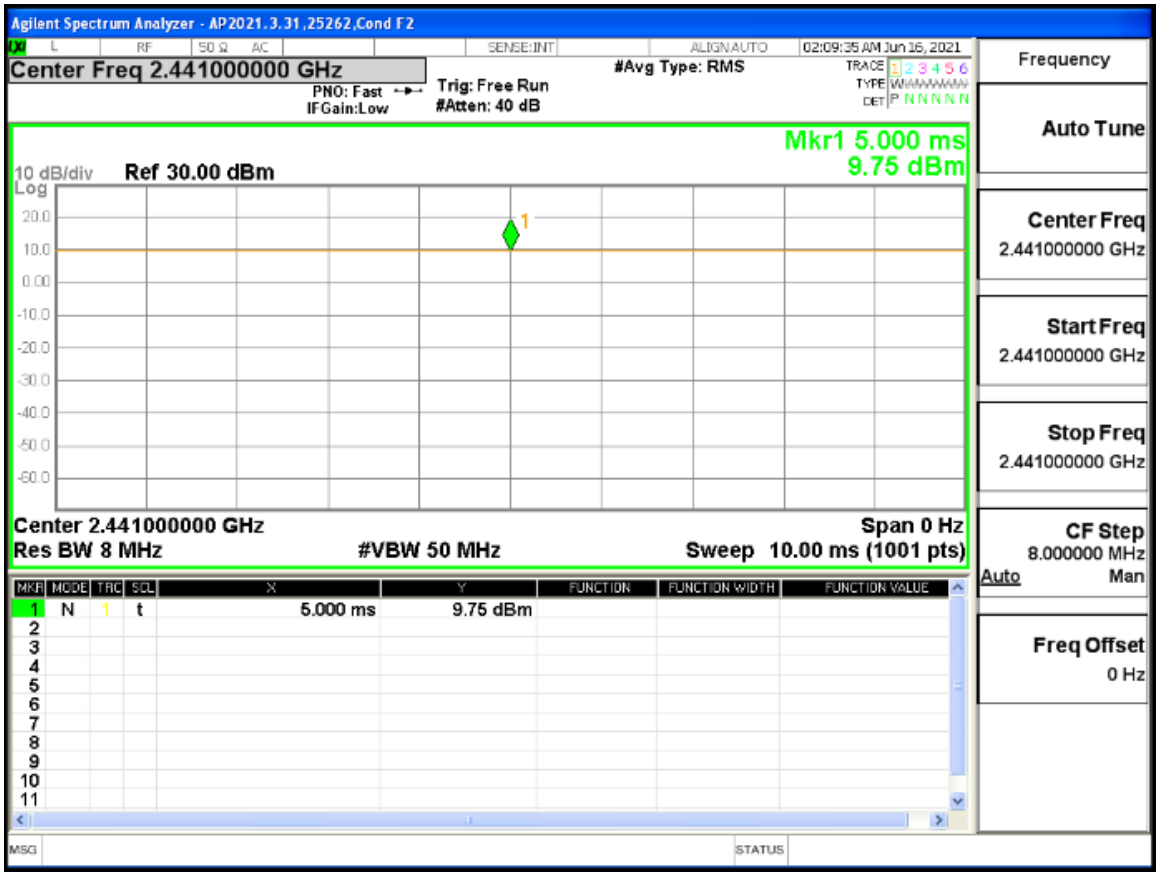
Mode	Type	T on (ms)	Period (ms)	Duty Cycle	Crest Factor (1/duty cycle)
GFSK	DH5	1	1	100.00%	1.00

Note(s):

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

Duty Cycle plots

GFSK



10. Measured and Reported (Scaled) SAR Results

SAR Test Reduction criteria are as follows:

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

KDB 447498 D01 General RF Exposure Guidance:

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

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

KDB 648474 D04 Handset SAR:

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

KDB 941225 D01 SAR test for 3G devices:

When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

KDB 941225 D05 SAR for LTE Devices:

SAR test reduction is applied using the following criteria:

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

KDB 248227 D01 SAR meas for 802.11:

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

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

- ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and wireless mode combination within the frequency band or aggregated band. DSSS and OFDM configurations are considered separately according to the required SAR procedures.
- > 0.4 W/kg, SAR is repeated using the same wireless mode test configuration tested in the ***initial test position*** to measure the subsequent next closet/smallest test separation distance and maximum coupling test position, on the highest maximum output power channel, until the ***reported*** SAR is ≤ 0.8 W/kg or all required test positions are tested.
  - For subsequent test positions with equivalent test separation distance or when exposure is dominated by coupling conditions, the position for maximum coupling condition should be tested.
  - When it is unclear, all equivalent conditions must be tested.
- For all positions/configurations tested using the ***initial test position*** and subsequent test positions, when the ***reported*** SAR is > 0.8 W/kg, measure the SAR for these positions/configurations on the subsequent next highest measured output power channel(s) until the ***reported*** SAR is ≤ 1.2 W/kg or all required test channels are considered.
  - The additional power measurements required for this step should be limited to those necessary for identifying subsequent highest output power channels to apply the test reduction.
- When the specified maximum output power is the same for both UNII 1 and UNII 2A, begin SAR measurements in UNII 2A with the channel with the highest measured output power. If the reported SAR for UNII 2A is ≤ 1.2 W/kg, SAR is not required for UNII 1; otherwise treat the remaining bands separately and test them independently for SAR.
- When the specified maximum output power is different between UNII 1 and UNII 2A, begin SAR with the band that has the higher specified maximum output. If the highest reported SAR for the band with the highest specified power is ≤ 1.2 W/kg, testing for the band with the lower specified output power is not required; otherwise test the remaining bands independently for SAR.

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

10.1. GSM850

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	GPRS 2 Slots	Mode A	0	Left Touch	190	836.6	32.50	31.73	0.164	0.196	0.124	0.148	
					Left Tilt	190	836.6	32.50	31.73	0.149	0.178	0.117	0.140	
					Right Touch	190	836.6	32.50	31.73	0.265	0.316	0.201	0.240	1
					Right Tilt	190	836.6	32.50	31.73	0.176	0.210	0.138	0.165	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	190	836.6	32.50	31.73	0.663	0.792	0.371	0.443	2
					Front	190	836.6	32.50	31.73	0.289	0.345	0.185	0.221	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 2	190	836.6	32.50	31.73	0.620	0.740	0.404	0.482	
					Edge 3	190	836.6	32.50	31.73	0.290	0.346	0.133	0.159	
					Edge 4	190	836.6	32.50	31.73	0.272	0.325	0.178	0.213	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	GPRS 2 Slots	Mode A	0	Left Touch	190	836.6	31.00	30.58	0.449	0.495	0.289	0.318	
					Left Tilt	190	836.6	31.00	30.58	0.352	0.388	0.195	0.215	
					Right Touch	190	836.6	31.00	30.58	0.486	0.535	0.321	0.354	3
					Right Tilt	190	836.6	31.00	30.58	0.339	0.373	0.196	0.216	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	190	836.6	31.00	30.58	0.207	0.228	0.125	0.138	4
					Front	190	836.6	31.00	30.58	0.141	0.155	0.096	0.106	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	190	836.6	31.00	30.58	0.124	0.137	0.062	0.069	
					Edge 2	190	836.6	31.00	30.58	0.091	0.101	0.059	0.065	
					Edge 4	190	836.6	31.00	30.58	0.272	0.300	0.174	0.192	5

10.2. GSM1900

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	GPRS 2 Slots	Mode A	0	Left Touch	661	1880.0	30.50	29.53	0.137	0.171	0.087	0.108	
					Left Tilt	661	1880.0	30.50	29.53	0.073	0.091	0.042	0.053	
					Right Touch	661	1880.0	30.50	29.53	0.345	0.431	0.205	0.256	6
					Right Tilt	661	1880.0	30.50	29.53	0.063	0.079	0.039	0.048	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	661	1880.0	24.30	23.88	0.555	0.611	0.282	0.311	7
					Front	661	1880.0	24.30	23.88	0.501	0.552	0.245	0.270	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 2	661	1880.0	24.30	23.88	0.245	0.270	0.119	0.131	
					Edge 3	512	1850.2	24.30	23.45	0.672	0.817	0.308	0.375	
						661	1880.0	24.30	23.88	0.826	0.910	0.375	0.413	8
						810	1909.8	24.30	23.87	0.720	0.795	0.333	0.368	
					Edge 4	661	1880.0	24.30	23.88	0.006	0.007	0.003	0.003	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	GPRS 2 Slots	Mode A	0	Left Touch	661	1880.0	26.00	25.68	0.480	0.517	0.258	0.278	
					Left Tilt	661	1880.0	26.00	25.68	0.470	0.506	0.237	0.255	
					Right Touch	512	1850.2	26.00	25.59	0.866	0.952	0.453	0.498	9
						661	1880.0	26.00	25.68	0.798	0.859	0.430	0.463	
						810	1909.8	26.00	25.70	0.779	0.835	0.427	0.458	
					Right Tilt	661	1880.0	26.00	25.68	0.702	0.756	0.342	0.368	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	661	1880.0	26.20	25.89	0.668	0.717	0.320	0.344	10
					Front	661	1880.0	26.20	25.89	0.653	0.701	0.312	0.335	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	512	1850.2	26.20	25.85	0.875	0.948	0.402	0.436	11
						661	1880.0	26.20	25.89	0.807	0.867	0.372	0.400	
						810	1909.8	26.20	25.84	0.698	0.758	0.323	0.351	
					Edge 2	661	1880.0	26.20	25.89	0.025	0.027	0.012	0.013	
					Edge 4	661	1880.0	26.20	25.89	0.432	0.464	0.233	0.250	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	GPRS 2 Slots	Mode A	0	Left Touch	661	1880.0	30.00	29.25	0.508	0.604	0.306	0.364	12
					Left Tilt	661	1880.0	30.00	29.25	0.072	0.085	0.044	0.052	
					Right Touch	661	1880.0	30.00	29.25	0.118	0.140	0.077	0.092	
					Right Tilt	661	1880.0	30.00	29.25	0.122	0.145	0.078	0.093	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	661	1880.0	26.90	26.06	0.658	0.798	0.370	0.449	13
					Front	661	1880.0	26.90	26.06	0.440	0.534	0.256	0.311	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 3	661	1880.0	26.90	26.06	0.171	0.207	0.078	0.095	
					Edge 4	512	1850.2	26.90	25.95	0.744	0.926	0.371	0.462	
						661	1880.0	26.90	26.06	0.777	0.943	0.385	0.467	
						810	1909.8	26.90	26.05	0.779	0.947	0.385	0.468	14
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	GPRS 2 Slots	Mode A	0	Left Touch	512	1850.2	26.10	25.23	0.749	0.915	0.362	0.442	15
						661	1880.0	26.10	25.32	0.726	0.869	0.354	0.424	
						810	1909.8	26.10	25.45	0.735	0.854	0.360	0.418	
					Left Tilt	661	1880.0	26.10	25.32	0.422	0.505	0.209	0.250	
					Right Touch	661	1880.0	26.10	25.32	0.275	0.329	0.154	0.184	
					Right Tilt	661	1880.0	26.10	25.32	0.256	0.306	0.145	0.174	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	661	1880.0	28.00	27.15	0.494	0.601	0.270	0.328	16
					Front	661	1880.0	28.00	27.15	0.313	0.381	0.166	0.202	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	661	1880.0	28.00	27.15	0.352	0.428	0.165	0.201	
					Edge 2	512	1850.2	28.00	27.13	0.705	0.861	0.353	0.431	
						661	1880.0	28.00	27.15	0.718	0.873	0.356	0.433	17
						810	1909.8	28.00	27.05	0.669	0.833	0.331	0.412	

10.3. W-CDMA Band 2

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9400	1880.0	24.20	23.37	0.173	0.209	0.110	0.133	
					Left Tilt	9400	1880.0	24.20	23.37	0.109	0.132	0.063	0.077	
					Right Touch	9400	1880.0	24.20	23.37	0.445	0.539	0.270	0.327	18
					Right Tilt	9400	1880.0	24.20	23.37	0.119	0.144	0.072	0.088	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9400	1880.0	17.30	16.84	0.575	0.639	0.285	0.317	19
					Front	9400	1880.0	17.30	16.84	0.404	0.449	0.195	0.217	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	9400	1880.0	17.30	16.84	0.186	0.207	0.089	0.099	
					Edge 3	9262	1852.4	17.30	16.94	0.860	0.934	0.383	0.416	
						9400	1880.0	17.30	16.84	0.844	0.938	0.376	0.418	20
						9538	1907.6	17.30	16.86	0.827	0.915	0.370	0.409	
					Edge 4	9400	1880.0	17.30	16.84	0.007	0.008	0.003	0.004	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9400	1880.0	19.50	18.61	0.365	0.448	0.179	0.220	
					Left Tilt	9400	1880.0	19.50	18.61	0.368	0.452	0.177	0.217	
					Right Touch	9262	1852.4	19.50	18.58	0.730	0.902	0.378	0.467	21
						9400	1880.0	19.50	18.61	0.692	0.849	0.370	0.454	
						9538	1907.6	19.50	18.50	0.625	0.787	0.341	0.429	
					Right Tilt	9400	1880.0	19.50	18.61	0.561	0.689	0.273	0.335	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9262	1852.4	19.20	18.40	0.699	0.840	0.333	0.400	
						9400	1880.0	19.20	18.42	0.702	0.840	0.324	0.388	22
						9538	1907.6	19.20	18.30	0.660	0.812	0.298	0.367	
					Front	9400	1880.0	19.20	18.42	0.605	0.724	0.297	0.355	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	9262	1852.4	19.20	18.40	0.759	0.913	0.353	0.424	23
						9400	1880.0	19.20	18.42	0.712	0.852	0.334	0.400	
						9538	1907.6	19.20	18.30	0.652	0.802	0.302	0.372	
					Edge 2	9400	1880.0	19.20	18.42	0.022	0.026	0.012	0.014	
					Edge 4	9400	1880.0	19.20	18.42	0.446	0.534	0.242	0.290	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9262	1852.4	24.40	23.93	0.855	0.953	0.524	0.584	24
						9400	1880.0	24.40	23.95	0.781	0.866	0.477	0.529	
						9538	1907.6	24.40	23.94	0.784	0.872	0.476	0.529	
					Left Tilt	9400	1880.0	24.40	23.95	0.263	0.292	0.163	0.181	
					Right Touch	9400	1880.0	24.40	23.95	0.362	0.402	0.234	0.260	
					Right Tilt	9400	1880.0	24.40	23.95	0.176	0.195	0.113	0.125	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9262	1852.4	20.50	20.20	0.821	0.880	0.442	0.474	25
						9400	1880.0	20.50	20.30	0.772	0.808	0.433	0.453	
						9538	1907.6	20.50	20.31	0.753	0.787	0.405	0.423	
					Front	9400	1880.0	20.90	20.30	0.506	0.581	0.294	0.338	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 3	9400	1880.0	20.90	20.30	0.261	0.300	0.122	0.140	
					Edge 4	9262	1852.4	20.50	20.20	0.895	0.959	0.446	0.478	26
						9400	1880.0	20.50	20.30	0.902	0.945	0.450	0.471	
						9538	1907.6	20.50	20.31	0.917	0.958	0.458	0.478	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9262	1852.4	19.60	19.04	0.754	0.858	0.382	0.435	
						9400	1880.0	19.60	18.82	0.720	0.862	0.369	0.442	27
						9538	1907.6	19.60	19.06	0.736	0.833	0.364	0.412	
					Left Tilt	9400	1880.0	19.60	18.82	0.462	0.553	0.231	0.276	
					Right Touch	9400	1880.0	19.60	18.82	0.217	0.260	0.121	0.145	
					Right Tilt	9400	1880.0	19.60	18.82	0.194	0.232	0.109	0.130	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9400	1880.0	22.00	21.30	0.652	0.766	0.353	0.415	28
					Front	9400	1880.0	22.00	21.30	0.325	0.382	0.175	0.206	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	9400	1880.0	22.00	21.30	0.357	0.419	0.170	0.200	
					Edge 2	9262	1852.4	22.00	21.25	0.802	0.953	0.394	0.468	29
						9400	1880.0	22.00	21.30	0.775	0.911	0.383	0.450	
						9538	1907.6	22.00	21.26	0.732	0.868	0.355	0.421	

10.4. W-CDMA Band 4

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	1413	1732.6	25.00	24.32	0.157	0.184	0.098	0.115	
					Left Tilt	1413	1732.6	25.00	24.32	0.154	0.180	0.096	0.113	
					Right Touch	1413	1732.6	25.00	24.32	0.515	0.602	0.298	0.349	30
					Right Tilt	1413	1732.6	25.00	24.32	0.140	0.164	0.087	0.102	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1312	1712.4	20.50	19.91	0.806	0.923	0.400	0.458	
						1413	1732.6	20.50	19.88	0.813	0.938	0.392	0.452	31
						1513	1752.6	20.50	19.94	0.818	0.931	0.389	0.443	
					Front	1413	1732.6	20.50	19.88	0.415	0.479	0.226	0.261	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	1413	1732.6	20.50	19.88	0.599	0.691	0.273	0.315	
					Edge 3	1413	1732.6	20.50	19.88	0.578	0.667	0.293	0.338	
					Edge 4	1413	1732.6	20.50	19.88	0.010	0.011	0.005	0.006	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	1413	1732.6	17.60	17.14	0.613	0.681	0.281	0.312	
					Left Tilt	1413	1732.6	17.60	17.14	0.663	0.737	0.286	0.318	
					Right Touch	1312	1712.4	17.60	17.20	0.858	0.941	0.417	0.457	32
						1413	1732.6	17.60	17.14	0.772	0.858	0.377	0.419	
						1513	1752.6	17.60	17.10	0.746	0.837	0.386	0.433	
					Right Tilt	1312	1712.4	17.60	17.20	0.840	0.921	0.384	0.421	
						1413	1732.6	17.60	17.14	0.739	0.822	0.338	0.376	
						1513	1752.6	17.60	17.10	0.708	0.794	0.326	0.366	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1413	1732.6	18.30	17.73	0.589	0.672	0.292	0.333	
					Front	1413	1732.6	18.30	17.73	0.679	0.774	0.322	0.367	33
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	1312	1712.4	18.30	17.80	0.836	0.938	0.371	0.416	34
						1413	1732.6	18.30	17.73	0.811	0.925	0.362	0.413	
						1513	1752.6	18.30	17.67	0.769	0.889	0.341	0.394	
					Edge 2	1413	1732.6	18.30	17.73	0.010	0.011	0.005	0.005	
					Edge 4	1413	1732.6	18.30	17.73	0.182	0.208	0.102	0.116	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	1413	1732.6	25.20	24.68	0.426	0.480	0.274	0.309	35
					Left Tilt	1413	1732.6	25.20	24.68	0.194	0.219	0.131	0.148	
					Right Touch	1413	1732.6	25.20	24.68	0.168	0.189	0.114	0.129	
					Right Tilt	1413	1732.6	25.20	24.68	0.146	0.165	0.098	0.110	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1312	1712.4	21.50	21.10	0.745	0.817	0.379	0.416	
						1413	1732.6	21.50	21.18	0.785	0.845	0.405	0.436	
						1513	1752.6	21.50	21.15	0.842	0.913	0.435	0.472	36
					Front	1413	1732.6	21.50	21.18	0.477	0.513	0.269	0.290	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 3	1413	1732.6	21.50	21.18	0.180	0.194	0.079	0.085	
					Edge 4	1312	1712.4	21.50	21.10	0.781	0.856	0.408	0.447	
						1413	1732.6	21.50	21.18	0.863	0.929	0.453	0.488	
						1513	1752.6	21.50	21.15	0.874	0.947	0.458	0.496	37

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	1312	1712.4	20.30	19.69	0.678	0.780	0.349	0.402	
						1413	1732.6	20.30	19.48	0.782	0.945	0.400	0.483	
						1513	1752.6	20.30	19.60	0.804	0.945	0.415	0.488	38
					Left Tilt	1413	1732.6	20.30	19.48	0.581	0.702	0.290	0.350	
					Right Touch	1413	1732.6	20.30	19.48	0.251	0.303	0.148	0.179	
					Right Tilt	1413	1732.6	20.30	19.48	0.224	0.271	0.130	0.157	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1413	1732.6	21.50	20.96	0.588	0.666	0.315	0.357	39
					Front	1413	1732.6	21.50	20.96	0.346	0.392	0.194	0.220	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	1413	1732.6	21.50	20.96	0.286	0.324	0.131	0.148	
					Edge 2	1312	1712.4	21.50	20.90	0.653	0.750	0.330	0.379	
						1413	1732.6	21.50	20.96	0.739	0.837	0.376	0.426	
						1513	1752.6	21.50	20.80	0.801	0.941	0.409	0.481	40

10.5. W-CDMA Band 5

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	4183	836.6	25.70	25.44	0.243	0.258	0.177	0.188	
					Left Tilt	4183	836.6	25.70	25.44	0.157	0.167	0.118	0.125	
					Right Touch	4183	836.6	25.70	25.44	0.320	0.340	0.233	0.247	41
					Right Tilt	4183	836.6	25.70	25.44	0.167	0.177	0.126	0.134	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	4183	836.6	25.40	25.15	0.684	0.725	0.388	0.411	42
					Front	4183	836.6	25.40	25.15	0.385	0.408	0.237	0.251	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	4132	826.4	25.40	25.21	0.873	0.912	0.560	0.585	43
						4183	836.6	25.40	25.15	0.844	0.894	0.543	0.575	
						4233	846.6	25.40	25.13	0.773	0.823	0.495	0.527	
					Edge 3	4183	836.6	25.40	25.15	0.412	0.436	0.182	0.193	
					Edge 4	4183	836.6	25.40	25.15	0.410	0.434	0.263	0.279	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	4132	826.4	24.70	24.55	0.872	0.903	0.564	0.584	
						4183	836.6	24.70	24.50	0.773	0.809	0.493	0.516	
						4233	846.6	24.70	24.44	0.886	0.941	0.573	0.608	44
					Left Tilt	4183	836.6	24.70	24.50	0.519	0.543	0.291	0.305	
					Right Touch	4183	836.6	24.70	24.50	0.740	0.775	0.482	0.505	
					Right Tilt	4183	836.6	24.70	24.50	0.432	0.452	0.265	0.277	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	4183	836.6	24.70	24.50	0.320	0.335	0.189	0.198	45
					Front	4183	836.6	24.70	24.50	0.285	0.298	0.183	0.192	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	4183	836.6	24.70	24.50	0.113	0.118	0.057	0.059	
					Edge 2	4183	836.6	24.70	24.50	0.174	0.182	0.112	0.117	
					Edge 4	4183	836.6	24.70	24.50	0.271	0.284	0.174	0.182	

10.6. CDMA BC0

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	1xRTT RC3 SO55	Mode A	0	Left Touch	384	836.5	22.50	22.21	0.153	0.164	0.114	0.122	
					Left Tilt	384	836.5	22.50	22.21	0.100	0.107	0.076	0.081	
					Right Touch	384	836.5	22.50	22.21	0.180	0.192	0.134	0.143	
					Right Tilt	384	836.5	22.50	22.21	0.100	0.107	0.076	0.081	
		1xEVDO Rel. 0	Mode A	0	Left Touch	384	836.5	22.50	22.16	0.235	0.254	0.176	0.190	
					Left Tilt	384	836.5	22.50	22.16	0.176	0.190	0.132	0.143	
					Right Touch	384	836.5	22.50	22.16	0.270	0.292	0.204	0.221	46
					Right Tilt	384	836.5	22.50	22.16	0.198	0.214	0.153	0.165	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	384	836.5	22.50	22.18	0.401	0.432	0.239	0.257	47
					Front	384	836.5	22.50	22.18	0.198	0.213	0.126	0.136	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	384	836.5	22.50	22.18	0.581	0.625	0.373	0.402	48
					Edge 3	384	836.5	22.50	22.18	0.275	0.296	0.123	0.132	
					Edge 4	384	836.5	22.50	22.18	0.283	0.305	0.182	0.196	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	1xRTT RC3 SO55	Mode A	0	Left Touch	384	836.5	22.00	21.45	0.673	0.764	0.442	0.502	49
					Left Tilt	384	836.5	22.00	21.45	0.455	0.516	0.258	0.293	
					Right Touch	384	836.5	22.00	21.45	0.649	0.737	0.423	0.480	
					Right Tilt	384	836.5	22.00	21.45	0.443	0.503	0.276	0.313	
		1xEVDO Rel. 0	Mode A	0	Left Touch	384	836.5	22.00	21.22	0.519	0.621	0.359	0.430	
					Left Tilt	384	836.5	22.00	21.22	0.430	0.515	0.251	0.300	
					Right Touch	384	836.5	22.00	21.22	0.636	0.761	0.409	0.489	
					Right Tilt	384	836.5	22.00	21.22	0.388	0.464	0.235	0.281	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	384	836.5	22.00	21.47	0.302	0.341	0.175	0.198	50
					Front	384	836.5	22.00	21.47	0.234	0.264	0.151	0.171	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	384	836.5	22.00	21.47	0.120	0.136	0.058	0.065	
					Edge 2	384	836.5	22.00	21.47	0.168	0.190	0.109	0.123	
					Edge 4	384	836.5	22.00	21.47	0.238	0.269	0.153	0.173	

10.7. CDMA BC1

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	1xRTT RC3 SO55	Mode A	0	Left Touch	600	1880.0	24.20	23.66	0.196	0.222	0.122	0.138	
					Left Tilt	600	1880.0	24.20	23.66	0.110	0.125	0.065	0.074	
					Right Touch	600	1880.0	24.20	23.66	0.498	0.564	0.297	0.336	
					Right Tilt	600	1880.0	24.20	23.66	0.101	0.114	0.060	0.068	
		1xEVDO Rel. 0	Mode A	0	Left Touch	600	1880.0	24.20	23.42	0.261	0.312	0.166	0.199	
					Left Tilt	600	1880.0	24.20	23.42	0.115	0.138	0.069	0.083	
					Right Touch	600	1880.0	24.20	23.42	0.493	0.590	0.297	0.355	51
					Right Tilt	600	1880.0	24.20	23.42	0.120	0.144	0.077	0.092	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	600	1880.0	17.30	16.70	0.631	0.724	0.315	0.362	52
					Front	600	1880.0	17.30	16.70	0.483	0.555	0.236	0.271	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	600	1880.0	17.30	16.70	0.188	0.216	0.090	0.104	
					Edge 3	25	1851.3	17.30	16.75	0.825	0.936	0.375	0.426	
						600	1880.0	17.30	16.70	0.830	0.953	0.375	0.431	53
						1175	1908.8	17.30	16.70	0.781	0.897	0.353	0.405	
					Edge 4	600	1880.0	17.30	16.70	0.092	0.106	0.052	0.059	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	1xRTT RC3 SO55	Mode A	0	Left Touch	600	1880.0	19.50	19.13	0.488	0.531	0.247	0.269	
					Left Tilt	600	1880.0	19.50	19.13	0.444	0.483	0.222	0.242	
					Right Touch	25	1851.3	19.50	19.08	0.821	0.904	0.425	0.468	54
						600	1880.0	19.50	19.13	0.756	0.823	0.405	0.441	
						1175	1908.8	19.50	18.90	0.688	0.790	0.380	0.436	
					Right Tilt	600	1880.0	19.50	19.13	0.651	0.709	0.320	0.348	
		1xEVDO Rel. 0	Mode A	0	Left Touch	600	1880.0	19.50	18.97	0.425	0.480	0.232	0.262	
					Left Tilt	600	1880.0	19.50	18.97	0.421	0.476	0.215	0.243	
					Right Touch	25	1851.3	19.50	19.00	0.774	0.868	0.413	0.463	
						600	1880.0	19.50	18.97	0.751	0.848	0.412	0.465	
						1175	1908.8	19.50	18.98	0.693	0.781	0.387	0.436	
					Right Tilt	600	1880.0	19.50	18.97	0.691	0.781	0.346	0.391	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	600	1880.0	19.20	18.96	0.666	0.704	0.322	0.340	55
					Front	600	1880.0	19.20	18.96	0.635	0.671	0.321	0.339	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	25	1851.3	19.20	19.18	0.901	0.905	0.420	0.422	56
						600	1880.0	19.20	18.96	0.814	0.860	0.382	0.404	
						1175	1908.8	19.20	18.82	0.682	0.744	0.319	0.348	
					Edge 2	600	1880.0	19.20	18.96	0.013	0.013	0.006	0.007	
					Edge 4	600	1880.0	19.20	18.96	0.596	0.630	0.318	0.336	

10.8. CDMA BC10

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	1xRTT RC3 SO55	Mode A	0	Left Touch	560	820.0	25.70	25.47	0.263	0.277	0.195	0.206	
					Left Tilt	560	820.0	25.70	25.47	0.195	0.206	0.149	0.157	
					Right Touch	560	820.0	25.70	25.47	0.288	0.304	0.215	0.227	
					Right Tilt	560	820.0	25.70	25.47	0.209	0.220	0.160	0.169	
		1xEVDO Rel. 0	Mode A	0	Left Touch	560	820.0	25.70	25.48	0.254	0.267	0.188	0.198	
					Left Tilt	560	820.0	25.70	25.48	0.176	0.185	0.133	0.140	
					Right Touch	560	820.0	25.70	25.48	0.291	0.306	0.217	0.228	57
					Right Tilt	560	820.0	25.70	25.48	0.183	0.193	0.139	0.146	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	560	820.0	25.40	25.20	0.693	0.726	0.403	0.422	58
					Front	560	820.0	25.40	25.20	0.380	0.398	0.236	0.247	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	560	820.0	25.40	25.20	0.860	0.901	0.555	0.581	59
					Edge 3	560	820.0	25.40	25.20	0.316	0.331	0.143	0.150	
					Edge 4	560	820.0	25.40	25.20	0.468	0.490	0.301	0.315	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	1xRTT RC3 SO55	Mode A	0	Left Touch	560	820.0	24.70	24.40	0.801	0.858	0.508	0.544	
					Left Tilt	560	820.0	24.70	24.40	0.649	0.695	0.365	0.391	
					Right Touch	560	820.0	24.70	24.40	0.710	0.761	0.459	0.492	
					Right Tilt	560	820.0	24.70	24.40	0.459	0.492	0.282	0.302	
		1xEVDO Rel. 0	Mode A	0	Left Touch	560	820.0	24.70	24.35	0.856	0.928	0.567	0.615	60
					Left Tilt	560	820.0	24.70	24.35	0.690	0.748	0.378	0.410	
					Right Touch	560	820.0	24.70	24.35	0.753	0.816	0.466	0.505	
					Right Tilt	560	820.0	24.70	24.35	0.518	0.561	0.322	0.349	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	560	820.0	24.70	24.35	0.498	0.540	0.285	0.309	61
					Front	560	820.0	24.70	24.35	0.296	0.321	0.185	0.201	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	560	820.0	24.70	24.35	0.117	0.127	0.059	0.064	
					Edge 2	560	820.0	24.70	24.35	0.167	0.181	0.108	0.117	
					Edge 4	560	820.0	24.70	24.35	0.370	0.401	0.236	0.256	

10.9. LTE Band 5 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	20525	836.5	1	25	25.70	25.30	0.228	0.250	0.167	0.183	
								25	12	24.70	24.41	0.192	0.205	0.139	0.149	
					Left Tilt	20525	836.5	1	25	25.70	25.30	0.160	0.175	0.119	0.130	
								25	12	24.70	24.41	0.120	0.128	0.091	0.097	
					Right Touch	20525	836.5	1	25	25.70	25.30	0.283	0.310	0.207	0.227	62
								25	12	24.70	24.41	0.215	0.230	0.160	0.171	
					Right Tilt	20525	836.5	1	25	25.70	25.30	0.165	0.181	0.123	0.135	
								25	12	24.70	24.41	0.116	0.124	0.087	0.093	
	Body & Hotspot	QPSK	Mode B	5	Rear	20525	836.5	1	25	25.40	25.10	0.654	0.701	0.365	0.391	63
								25	12	24.70	24.47	0.504	0.531	0.281	0.296	
					Front	20525	836.5	1	25	25.40	25.10	0.334	0.358	0.200	0.214	
								25	12	24.70	24.47	0.286	0.302	0.175	0.185	
	Hotspot	QPSK	Mode B	5	Edge 2	20525	836.5	1	25	25.40	25.10	0.824	0.883	0.519	0.556	64
								25	12	24.70	24.47	0.812	0.856	0.519	0.547	
								50	0	24.70	24.49	0.721	0.757	0.456	0.479	
					Edge 3	20525	836.5	1	25	25.40	25.10	0.354	0.379	0.159	0.170	
								25	12	24.70	24.47	0.306	0.323	0.136	0.143	
					Edge 4	20525	836.5	1	25	25.40	25.10	0.308	0.330	0.193	0.207	
								25	12	24.70	24.47	0.371	0.391	0.238	0.251	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	20525	836.5	1	25	24.70	24.35	0.719	0.779	0.487	0.528	
								25	12	23.70	23.31	0.583	0.638	0.395	0.432	
					Left Tilt	20525	836.5	1	25	24.70	24.35	0.609	0.660	0.340	0.369	
								25	12	23.70	23.31	0.435	0.476	0.248	0.271	
					Right Touch	20525	836.5	1	25	24.70	24.35	0.781	0.847	0.519	0.563	65
								25	12	23.70	23.31	0.697	0.762	0.449	0.491	
					Right Tilt	20525	836.5	1	25	24.70	24.35	0.510	0.553	0.313	0.339	
								25	12	23.70	23.31	0.365	0.399	0.228	0.249	
	Body & Hotspot	QPSK	Mode B	5	Rear	20525	836.5	1	25	24.70	24.35	0.543	0.589	0.325	0.352	66
								25	12	23.70	23.31	0.493	0.539	0.292	0.319	
					Front	20525	836.5	1	25	24.70	24.35	0.338	0.366	0.214	0.232	
								25	12	23.70	23.31	0.271	0.296	0.176	0.193	
	Hotspot	QPSK	Mode B	5	Edge 1	20525	836.5	1	25	24.70	24.35	0.123	0.133	0.063	0.068	
								25	12	23.70	23.31	0.102	0.112	0.053	0.058	
					Edge 2	20525	836.5	1	25	24.70	24.35	0.158	0.171	0.102	0.111	
								25	12	23.70	23.31	0.123	0.135	0.081	0.089	
					Edge 4	20525	836.5	1	25	24.70	24.35	0.249	0.270	0.161	0.175	
								25	12	23.70	23.31	0.190	0.208	0.124	0.136	

UL CA 5B

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offest	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	20476	831.6	1	49	20575	841.5	1	0	25.70	25.18	0.146	0.165	0.111	0.125	
ANT 1	Body	QPSK	Mode B	5	Rear	20476	831.6	1	49	20575	841.5	1	0	25.40	25.00	0.394	0.432	0.220	0.241	
ANT 1	Hotspot	QPSK	Mode B	5	Edge 2	20476	831.6	1	49	20575	841.5	1	0	25.40	25.00	0.519	0.569	0.328	0.360	
ANT 2	Head	QPSK	Mode A	0	Right Touch	20476	831.6	1	49	20575	841.5	1	0	24.70	23.99	0.506	0.596	0.318	0.374	
ANT 2	Body	QPSK	Mode B	5	Rear	20476	831.6	1	49	20575	841.5	1	0	24.70	23.99	0.305	0.359	0.170	0.200	
ANT 2	Hotspot	QPSK	Mode B	5	Edge 4	20476	831.6	1	49	20575	841.5	1	0	24.70	23.99	0.155	0.183	0.101	0.119	

Note(s):

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

10.10. LTE Band 7 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	21100	2535.0	1	49	25.70	25.33	0.291	0.317	0.164	0.179	
								50	24	24.70	24.45	0.255	0.270	0.142	0.150	
					Left Tilt	21100	2535.0	1	49	25.70	25.33	0.168	0.183	0.086	0.094	
								50	24	24.70	24.45	0.131	0.139	0.068	0.072	
					Right Touch	21100	2535.0	1	49	25.70	25.33	0.646	0.703	0.334	0.364	67
								50	24	24.70	24.45	0.497	0.526	0.258	0.273	
					Right Tilt	21100	2535.0	1	49	25.70	25.33	0.133	0.145	0.067	0.073	
								50	24	24.70	24.45	0.107	0.113	0.054	0.057	
	Body & Hotspot	QPSK	Mode B	5	Rear	20850	2510.0	50	24	20.50	19.75	0.611	0.726	0.254	0.302	
						21100	2535.0	1	49	20.50	19.82	0.618	0.723	0.253	0.296	
								50	24	20.50	19.75	0.714	0.849	0.292	0.347	
						21350	2560.0	50	24	20.50	19.71	0.720	0.864	0.300	0.360	68
					Front	21100	2535.0	1	49	20.50	19.82	0.312	0.365	0.144	0.168	
								50	24	20.50	19.75	0.320	0.380	0.146	0.174	
	Hotspot	QPSK	Mode B	5	Edge 2	20850	2510.0	1	49	20.50	19.78	0.644	0.760	0.265	0.313	
								50	24	20.50	19.75	0.658	0.782	0.269	0.320	
						21100	2535.0	1	49	20.50	19.82	0.707	0.827	0.300	0.351	
								50	24	20.50	19.75	0.721	0.857	0.302	0.359	
								100	0	20.50	19.75	0.658	0.782	0.275	0.327	
						21350	2560.0	1	49	20.50	19.65	0.757	0.921	0.314	0.382	
								50	24	20.50	19.71	0.773	0.927	0.319	0.383	69
					Edge 3	21100	2535.0	1	49	20.50	19.82	0.112	0.131	0.044	0.051	
								50	24	20.50	19.75	0.115	0.137	0.045	0.053	
					Edge 4	21100	2535.0	1	49	20.50	19.82	0.067	0.078	0.031	0.037	
								50	24	20.50	19.75	0.071	0.084	0.034	0.041	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 2	Head	QPSK	Mode A	0	Left Touch	21100	2535.0	1	49	18.20	17.50	0.634	0.745	0.239	0.281	
								50	24	18.20	17.59	0.654	0.753	0.248	0.285	
					Left Tilt	21100	2535.0	1	49	18.20	17.50	0.534	0.627	0.200	0.235	
								50	24	18.20	17.59	0.548	0.631	0.204	0.235	
					Right Touch	20850	2510.0	1	49	18.20	17.42	0.702	0.840	0.302	0.361	
								50	24	18.20	17.53	0.730	0.852	0.313	0.365	
						21100	2535.0	1	49	18.20	17.50	0.726	0.853	0.305	0.358	
								50	24	18.20	17.59	0.756	0.870	0.316	0.364	
								100	0	18.20	17.59	0.758	0.872	0.318	0.366	
						21350	2560.0	1	49	18.20	17.44	0.770	0.917	0.316	0.376	70
								50	24	18.20	17.59	0.790	0.909	0.324	0.373	
					Right Tilt	21100	2535.0	1	49	18.20	17.50	0.670	0.787	0.248	0.291	
								50	24	18.20	17.59	0.683	0.786	0.254	0.292	
	Body & Hotspot	QPSK	Mode B	5	Rear	20850	2510.0	1	49	19.00	18.42	0.697	0.797	0.334	0.382	
								50	24	19.00	18.56	0.719	0.796	0.343	0.380	
						21100	2535.0	1	49	19.00	18.51	0.807	0.903	0.371	0.415	71
								50	24	19.00	18.66	0.828	0.895	0.357	0.386	
								100	0	19.00	18.61	0.824	0.901	0.378	0.414	
						21350	2560.0	1	49	19.00	18.49	0.720	0.810	0.331	0.372	
								50	24	19.00	18.66	0.744	0.805	0.341	0.369	
					Front	21100	2535.0	1	49	19.00	18.51	0.438	0.490	0.179	0.200	
								50	24	19.00	18.66	0.449	0.486	0.182	0.197	
	Hotspot	QPSK	Mode B	5	Edge 1	21100	2535.0	1	49	19.00	18.51	0.520	0.582	0.200	0.224	
								50	24	19.00	18.66	0.434	0.469	0.167	0.181	
					Edge 2	21100	2535.0	1	49	19.00	18.51	0.056	0.062	0.025	0.027	
								50	24	19.00	18.66	0.057	0.062	0.024	0.026	
					Edge 4	21100	2535.0	1	49	19.00	18.51	0.660	0.739	0.285	0.319	
								50	24	19.00	18.66	0.663	0.717	0.287	0.310	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	QPSK	Mode A	0	Left Touch	20850	2510.0	1	49	23.70	23.23	0.679	0.757	0.365	0.407	
								50	24	23.70	23.35	0.706	0.765	0.381	0.413	
						21100	2535.0	1	49	23.70	23.23	0.733	0.817	0.393	0.438	
								50	24	23.70	23.38	0.744	0.801	0.399	0.430	
								100	0	23.70	23.35	0.725	0.786	0.387	0.419	
						21350	2560.0	1	49	23.70	23.00	0.778	0.914	0.410	0.482	72
								50	24	23.70	23.16	0.792	0.897	0.419	0.474	
					Left Tilt	21100	2535.0	1	49	23.70	23.23	0.191	0.213	0.097	0.109	
								50	24	23.70	23.38	0.208	0.224	0.106	0.114	
					Right Touch	21100	2535.0	1	49	23.70	23.23	0.399	0.445	0.217	0.242	
								50	24	23.70	23.38	0.402	0.433	0.222	0.239	
					Right Tilt	21100	2535.0	1	49	23.70	23.23	0.234	0.261	0.116	0.129	
								50	24	23.70	23.38	0.235	0.253	0.115	0.124	
	Body & Hotspot	QPSK	Mode B	5	Rear	21100	2535.0	1	49	18.90	17.90	0.459	0.578	0.230	0.290	
								50	24	18.90	17.97	0.471	0.583	0.236	0.292	73
					Front	21100	2535.0	1	49	18.90	17.90	0.430	0.541	0.220	0.277	
								50	24	18.90	17.97	0.444	0.550	0.227	0.281	
	Hotspot	QPSK	Mode B		Edge 3	21100	2535.0	1	49	18.90	17.90	0.138	0.174	0.067	0.085	
								50	24	18.90	17.97	0.206	0.255	0.099	0.123	
					Edge 4	20850	2510.0	1	49	18.90	17.85	0.595	0.758	0.284	0.362	
								50	24	18.90	18.18	0.616	0.727	0.294	0.347	
						21100	2535.0	1	49	18.90	17.90	0.636	0.801	0.299	0.376	
								50	24	18.90	17.97	0.660	0.818	0.309	0.383	
								100	0	18.90	18.05	0.698	0.849	0.325	0.395	
						21350	2560.0	1	49	18.90	17.90	0.719	0.905	0.333	0.419	74
								50	24	18.90	18.10	0.740	0.890	0.343	0.413	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 4	Head	QPSK	Mode A	0	Left Touch	21100	2535.0	1	49	18.40	17.75	0.441	0.512	0.181	0.210	
								50	24	18.40	17.75	0.471	0.547	0.196	0.228	75
					Left Tilt	21100	2535.0	1	49	18.40	17.75	0.212	0.246	0.097	0.112	
								50	24	18.40	17.75	0.220	0.256	0.101	0.117	
					Right Touch	21100	2535.0	1	49	18.40	17.75	0.105	0.122	0.053	0.061	
								50	24	18.40	17.75	0.108	0.125	0.054	0.063	
					Right Tilt	21100	2535.0	1	49	18.40	17.75	0.073	0.085	0.038	0.044	
								50	24	18.40	17.75	0.076	0.088	0.039	0.046	
	Body & Hotspot	QPSK	Mode B	5	Rear	21100	2535.0	1	49	19.50	18.45	0.454	0.578	0.206	0.262	
								50	24	19.50	18.50	0.462	0.582	0.209	0.263	76
					Front	21100	2535.0	1	49	19.50	18.45	0.239	0.304	0.114	0.145	
								50	24	19.50	18.50	0.189	0.238	0.085	0.108	
	Hotspot	QPSK	Mode B	5	Edge 1	21100	2535.0	1	49	19.50	18.45	0.097	0.124	0.047	0.060	
								50	24	19.50	18.50	0.099	0.124	0.048	0.060	
					Edge 2	20850	2510.0	1	49	19.50	18.45	0.635	0.809	0.275	0.350	
								50	24	19.50	18.50	0.605	0.762	0.263	0.331	
						21100	2535.0	1	49	19.50	18.45	0.641	0.816	0.278	0.354	
								50	24	19.50	18.50	0.668	0.841	0.290	0.365	
								100	0	19.50	18.40	0.650	0.837	0.282	0.363	
						21350	2560.0	1	49	19.50	18.20	0.654	0.882	0.283	0.382	
								50	24	19.50	18.40	0.712	0.917	0.306	0.394	77

UL CA 7C

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offest	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	21152	2540.2	1	99	21350	2560.0	1	0	25.70	25.05	0.296	0.344	0.155	0.180	
ANT 1	Body	QPSK	Mode B	5	Rear	21001	2525.1	1	99	21199	2544.9	1	0	20.50	19.78	0.353	0.417	0.145	0.171	
ANT 1	Hotspot	QPSK	Mode B	5	Edge 2	21152	2540.2	1	99	21350	2560.0	1	0	20.50	19.62	0.384	0.470	0.162	0.198	
ANT 2	Head	QPSK	Mode A	0	Right Touch	21152	2540.2	1	99	21350	2560.0	1	0	18.20	17.37	0.467	0.565	0.186	0.225	
ANT 2	Body	QPSK	Mode B	5	Rear	21001	2525.1	1	99	21199	2544.9	1	0	19.00	18.25	0.391	0.465	0.179	0.213	
ANT 2	Hotspot	QPSK	Mode B	5	Edge 4	21152	2540.2	1	99	21350	2560.0	1	0	19.00	18.15	0.404	0.491	0.174	0.212	
ANT 3	Head	QPSK	Mode A	0	Left Touch	21152	2540.2	1	99	21350	2560.0	1	0	23.70	22.90	0.369	0.444	0.194	0.233	
ANT 3	Body	QPSK	Mode B	5	Rear	21001	2525.1	1	99	21199	2544.9	1	0	18.90	17.83	0.274	0.351	0.136	0.174	
ANT 3	Hotspot	QPSK	Mode B	5	Edge 4	21152	2540.2	1	99	21350	2560.0	1	0	18.90	17.80	0.337	0.434	0.154	0.198	
ANT 4	Head	QPSK	Mode A	0	Left Touch	20850	2510.0	1	99	21048	2529.8	1	0	18.40	17.63	0.204	0.244	0.084	0.100	
ANT 4	Body	QPSK	Mode B	5	Rear	21001	2525.1	1	99	21199	2544.9	1	0	19.50	18.40	0.255	0.329	0.114	0.147	
ANT 4	Hotspot	QPSK	Mode B	5	Edge 2	21152	2540.2	1	99	21350	2560.0	1	0	19.50	18.30	0.350	0.461	0.152	0.200	

Note(s):

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

10.11. LTE Band 12 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	23095	707.5	1	25	25.70	25.35	0.140	0.152	0.108	0.117	
								25	12	24.70	24.42	0.116	0.124	0.088	0.094	
					Left Tilt	23095	707.5	1	25	25.70	25.35	0.064	0.069	0.038	0.041	
								25	12	24.70	24.42	0.038	0.041	0.027	0.029	
					Right Touch	23095	707.5	1	25	25.70	25.35	0.185	0.201	0.143	0.155	78
								25	12	24.70	24.42	0.152	0.162	0.119	0.127	
					Right Tilt	23095	707.5	1	25	25.70	25.35	0.096	0.104	0.077	0.083	
								25	12	24.70	24.42	0.088	0.094	0.070	0.075	
	Body & Hotspot	QPSK	Mode B	5	Rear	23095	707.5	1	25	25.70	25.35	0.496	0.538	0.278	0.301	79
								25	12	24.70	24.42	0.362	0.386	0.210	0.224	
					Front	23095	707.5	1	25	25.70	25.35	0.301	0.326	0.180	0.195	
								25	12	24.70	24.42	0.240	0.256	0.143	0.153	
	Hotspot	QPSK	Mode B	5	Edge 2	23095	707.5	1	25	25.70	25.35	0.502	0.544	0.332	0.360	80
								25	12	24.70	24.42	0.395	0.421	0.259	0.276	
					Edge 3	23095	707.5	1	25	25.70	25.35	0.458	0.496	0.199	0.216	
								25	12	24.70	24.42	0.246	0.262	0.116	0.124	
					Edge 4	23095	707.5	1	25	25.70	25.35	0.187	0.203	0.123	0.133	
								25	12	24.70	24.42	0.157	0.167	0.103	0.110	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	23095	707.5	1	25	24.70	24.45	0.701	0.743	0.429	0.454	
								25	12	23.70	23.46	0.649	0.686	0.384	0.406	
					Left Tilt	23095	707.5	1	25	24.70	24.45	0.739	0.783	0.383	0.406	
								25	12	23.70	23.46	0.638	0.674	0.324	0.342	
					Right Touch	23095	707.5	1	25	24.70	24.45	0.735	0.779	0.429	0.454	
								25	12	23.70	23.46	0.517	0.546	0.327	0.346	
					Right Tilt	23095	707.5	1	25	24.70	24.45	0.877	0.929	0.468	0.496	81
								25	12	23.70	23.46	0.668	0.706	0.353	0.373	
	Body & Hotspot	QPSK	Mode B	5	Rear	23095	707.5	1	25	24.70	24.45	0.591	0.626	0.338	0.358	82
								25	12	23.70	23.46	0.422	0.446	0.247	0.261	
					Front	23095	707.5	1	25	24.70	24.45	0.365	0.387	0.241	0.255	
								25	12	23.70	23.46	0.269	0.284	0.180	0.190	
	Hotspot	QPSK	Mode B	5	Edge 1	23095	707.5	1	25	24.70	24.45	0.328	0.347	0.150	0.159	
								25	12	23.70	23.46	0.265	0.280	0.123	0.130	
					Edge 2	23095	707.5	1	25	24.70	24.45	0.114	0.121	0.076	0.081	
								25	12	23.70	23.46	0.076	0.080	0.051	0.054	
					Edge 4	23095	707.5	1	25	24.70	24.45	0.299	0.317	0.172	0.182	
								25	12	23.70	23.46	0.227	0.240	0.130	0.137	

10.12. LTE Band 13 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	23230	782.0	1	25	25.70	25.32	0.218	0.238	0.163	0.178	
								25	12	24.70	24.31	0.179	0.196	0.131	0.143	
					Left Tilt	23230	782.0	1	25	25.70	25.32	0.133	0.145	0.102	0.111	
								25	12	24.70	24.31	0.124	0.136	0.095	0.104	
					Right Touch	23230	782.0	1	25	25.70	25.32	0.270	0.295	0.202	0.220	83
								25	12	24.70	24.31	0.236	0.258	0.174	0.190	
					Right Tilt	23230	782.0	1	25	25.70	25.32	0.143	0.156	0.111	0.121	
								25	12	24.70	24.31	0.134	0.147	0.104	0.114	
	Body & Hotspot	QPSK	Mode B	5	Rear	23230	782.0	1	25	25.70	25.32	0.546	0.596	0.315	0.344	84
								25	12	24.70	24.31	0.489	0.535	0.277	0.303	
					Front	23230	782.0	1	25	25.70	25.32	0.378	0.413	0.233	0.254	
								25	12	24.70	24.31	0.326	0.357	0.198	0.217	
	Hotspot	QPSK	Mode B	5	Edge 2	23230	782.0	1	25	25.70	25.32	0.795	0.868	0.465	0.508	85
								25	12	24.70	24.31	0.661	0.723	0.422	0.462	
					Edge 3	23230	782.0	1	25	25.70	25.32	0.340	0.371	0.149	0.163	
								25	12	24.70	24.31	0.259	0.283	0.113	0.124	
					Edge 4	23230	782.0	1	25	25.70	25.32	0.319	0.348	0.206	0.225	
								25	12	24.70	24.31	0.285	0.312	0.183	0.200	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	23230	782.0	1	25	24.70	24.20	0.688	0.772	0.417	0.468	86
								25	12	23.70	23.30	0.593	0.650	0.354	0.388	
					Left Tilt	23230	782.0	1	25	24.70	24.20	0.614	0.689	0.330	0.370	
								25	12	23.70	23.30	0.498	0.546	0.265	0.291	
					Right Touch	23230	782.0	1	25	24.70	24.20	0.667	0.748	0.424	0.476	
								25	12	23.70	23.30	0.580	0.636	0.390	0.428	
					Right Tilt	23230	782.0	1	25	24.70	24.20	0.524	0.588	0.309	0.347	
								25	12	23.70	23.30	0.475	0.521	0.268	0.294	
	Body & Hotspot	QPSK	Mode B	5	Rear	23230	782.0	1	25	24.70	24.20	0.427	0.479	0.254	0.285	87
								25	12	23.70	23.30	0.400	0.439	0.233	0.255	
					Front	23230	782.0	1	25	24.70	24.20	0.297	0.333	0.198	0.222	
								25	12	23.70	23.30	0.230	0.252	0.153	0.168	
	Hotspot	QPSK	Mode B	5	Edge 1	23230	782.0	1	25	24.70	24.20	0.162	0.182	0.082	0.092	
								25	12	23.70	23.30	0.122	0.134	0.063	0.069	
					Edge 2	23230	782.0	1	25	24.70	24.20	0.146	0.164	0.096	0.108	
								25	12	23.70	23.30	0.133	0.146	0.088	0.096	
					Edge 4	23230	782.0	1	25	24.70	24.20	0.257	0.288	0.169	0.190	
								25	12	23.70	23.30	0.249	0.273	0.163	0.179	

10.13. LTE Band 14 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	23330	793.0	1	25	25.70	25.36	0.238	0.257	0.177	0.191	
								25	12	24.70	24.31	0.186	0.203	0.138	0.151	
					Left Tilt	23330	793.0	1	25	25.70	25.36	0.188	0.203	0.145	0.157	
								25	12	24.70	24.31	0.138	0.151	0.106	0.116	
					Right Touch	23330	793.0	1	25	25.70	25.36	0.297	0.321	0.223	0.241	88
								25	12	24.70	24.31	0.219	0.240	0.166	0.182	
					Right Tilt	23330	793.0	1	25	25.70	25.36	0.182	0.197	0.141	0.152	
								25	12	24.70	24.31	0.133	0.145	0.103	0.113	
	Body & Hotspot	QPSK	Mode B	5	Rear	23330	793.0	1	25	25.70	25.36	0.704	0.761	0.398	0.430	89
								25	12	24.70	24.31	0.654	0.715	0.356	0.389	
					Front	23330	793.0	1	25	25.70	25.36	0.381	0.412	0.282	0.305	
								25	12	24.70	24.31	0.312	0.341	0.193	0.211	
	Hotspot	QPSK	Mode B	5	Edge 2	23330	793.0	1	25	25.70	25.36	0.885	0.957	0.569	0.615	90
								25	12	24.70	24.31	0.694	0.759	0.441	0.482	
					Edge 3	23330	793.0	1	25	25.70	25.36	0.245	0.265	0.112	0.121	
								25	12	24.70	24.31	0.188	0.206	0.088	0.096	
					Edge 4	23330	793.0	1	25	25.70	25.36	0.397	0.429	0.256	0.277	
								25	12	24.70	24.31	0.344	0.376	0.220	0.241	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	23330	793.0	1	25	24.70	24.30	0.689	0.755	0.447	0.490	
								25	12	23.70	23.28	0.516	0.568	0.338	0.372	
					Left Tilt	23330	793.0	1	25	24.70	24.30	0.698	0.765	0.385	0.422	
								25	12	23.70	23.28	0.457	0.503	0.260	0.286	
					Right Touch	23330	793.0	1	25	24.70	24.30	0.642	0.704	0.426	0.467	
								25	12	23.70	23.28	0.508	0.560	0.313	0.345	
					Right Tilt	23330	793.0	1	25	24.70	24.30	0.712	0.781	0.398	0.436	91
								25	12	23.70	23.28	0.451	0.497	0.255	0.281	
	Body & Hotspot	QPSK	Mode B	5	Rear	23330	793.0	1	25	24.70	24.30	0.422	0.463	0.249	0.273	92
								25	12	23.70	23.28	0.390	0.430	0.227	0.250	
					Front	23330	793.0	1	25	24.70	24.30	0.335	0.367	0.214	0.235	
								25	12	23.70	23.28	0.267	0.294	0.171	0.188	
	Hotspot	QPSK	Mode B	5	Edge 1	23330	793.0	1	25	24.70	24.30	0.253	0.277	0.119	0.130	
								25	12	23.70	23.28	0.187	0.206	0.089	0.098	
					Edge 2	23330	793.0	1	25	24.70	24.30	0.182	0.200	0.119	0.130	
								25	12	23.70	23.28	0.142	0.156	0.093	0.102	
					Edge 4	23330	793.0	1	25	24.70	24.30	0.292	0.320	0.187	0.205	
								25	12	23.70	23.28	0.237	0.261	0.152	0.167	

10.14. LTE Band 25 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	26365	1882.5	1	49	24.20	23.42	0.108	0.129	0.069	0.082	
								50	24	24.20	23.51	0.088	0.103	0.055	0.065	
					Left Tilt	26365	1882.5	1	49	24.20	23.42	0.063	0.076	0.039	0.047	
								50	24	24.20	23.51	0.051	0.060	0.032	0.037	
					Right Touch	26365	1882.5	1	49	24.20	23.42	0.251	0.300	0.157	0.188	93
								50	24	24.20	23.51	0.206	0.241	0.128	0.150	
					Right Tilt	26365	1882.5	1	49	24.20	23.42	0.076	0.091	0.045	0.054	
								50	24	24.20	23.51	0.062	0.073	0.037	0.043	
	Body & Hotspot	QPSK	Mode B	5	Rear	26365	1882.5	1	49	17.30	16.91	0.574	0.628	0.287	0.314	94
								50	24	17.30	17.00	0.580	0.621	0.292	0.313	
					Front	26365	1882.5	1	49	17.30	16.91	0.475	0.520	0.226	0.247	
								50	24	17.30	17.00	0.486	0.521	0.231	0.248	
	Hotspot	QPSK	Mode B	5	Edge 2	26365	1882.5	1	49	17.30	16.91	0.155	0.170	0.073	0.080	
								50	24	17.30	17.00	0.161	0.173	0.076	0.081	
					Edge 3	26140	1860.0	1	49	17.30	16.70	0.780	0.896	0.357	0.410	
								50	24	17.30	16.79	0.807	0.908	0.369	0.415	
						26365	1882.5	1	49	17.30	16.91	0.839	0.918	0.380	0.416	
								50	24	17.30	17.00	0.871	0.933	0.394	0.422	
								100	0	17.30	16.90	0.871	0.955	0.394	0.432	
						26590	1905.0	1	49	17.30	16.90	0.867	0.951	0.390	0.428	
								50	24	17.30	17.00	0.895	0.959	0.403	0.432	95
					Edge 4	26365	1882.5	1	49	17.30	16.91	0.009	0.010	0.004	0.005	
								50	24	17.30	17.00	0.016	0.017	0.008	0.009	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	26365	1882.5	1	49	19.50	18.50	0.360	0.453	0.180	0.227	
								50	24	19.50	18.53	0.375	0.469	0.200	0.250	
					Left Tilt	26365	1882.5	1	49	19.50	18.50	0.362	0.456	0.176	0.222	
								50	24	19.50	18.53	0.376	0.470	0.183	0.229	
					Right Touch	26140	1860.0	1	49	19.50	18.40	0.719	0.926	0.381	0.491	96
								50	24	19.50	18.51	0.692	0.869	0.373	0.468	
						26365	1882.5	1	49	19.50	18.50	0.712	0.896	0.382	0.481	
								50	24	19.50	18.53	0.734	0.918	0.393	0.491	
								100	0	19.50	18.54	0.741	0.924	0.396	0.494	
						26590	1905.0	1	49	19.50	18.41	0.671	0.862	0.366	0.470	
								50	24	19.50	18.49	0.686	0.866	0.373	0.471	
					Right Tilt	26365	1882.5	1	49	19.50	18.50	0.561	0.706	0.274	0.345	
								50	24	19.50	18.53	0.594	0.743	0.292	0.365	
	Body & Hotspot	QPSK	Mode B	5	Rear	26365	1882.5	1	49	19.20	18.55	0.554	0.643	0.262	0.304	
								50	24	19.20	18.59	0.578	0.665	0.273	0.314	97
					Front	26365	1882.5	1	49	19.20	18.55	0.547	0.635	0.276	0.321	
								50	24	19.20	18.59	0.564	0.649	0.284	0.327	
	Hotspot	QPSK	Mode B	5	Edge 1	26140	1860.0	1	49	19.20	18.54	0.747	0.870	0.346	0.403	
								50	24	19.20	18.60	0.780	0.896	0.360	0.413	98
						26365	1882.5	1	49	19.20	18.55	0.719	0.835	0.355	0.412	
								50	24	19.20	18.59	0.733	0.844	0.341	0.392	
								100	0	19.20	18.62	0.734	0.839	0.341	0.390	
						26590	1905.0	1	49	19.20	18.54	0.657	0.765	0.307	0.357	
								50	24	19.20	18.57	0.665	0.769	0.310	0.358	
					Edge 2	26365	1882.5	1	49	19.20	18.55	0.007	0.008	0.003	0.004	
								50	24	19.20	18.59	0.006	0.007	0.003	0.003	
					Edge 4	26365	1882.5	1	49	19.20	18.55	0.396	0.460	0.205	0.238	
								50	24	19.20	18.59	0.436	0.502	0.225	0.259	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	QPSK	Mode A	0	Left Touch	26365	1882.5	1	49	24.40	24.25	0.704	0.729	0.424	0.439	99
								50	24	24.20	24.14	0.659	0.668	0.395	0.400	
					Left Tilt	26365	1882.5	1	49	24.40	24.25	0.219	0.227	0.133	0.138	
								50	24	24.20	24.14	0.211	0.214	0.128	0.130	
					Right Touch	26365	1882.5	1	49	24.40	24.25	0.310	0.321	0.199	0.206	
								50	24	24.20	24.14	0.273	0.277	0.176	0.178	
					Right Tilt	26365	1882.5	1	49	24.40	24.25	0.151	0.156	0.094	0.097	
								50	24	24.20	24.14	0.143	0.145	0.089	0.090	
	Body & Hotspot	QPSK	Mode B	5	Rear	26140	1860.0	1	49	20.50	19.91	0.800	0.916	0.411	0.471	
								50	24	20.50	20.05	0.831	0.922	0.454	0.504	100
						26365	1882.5	1	49	20.50	20.25	0.760	0.805	0.406	0.430	
								50	24	20.50	20.25	0.778	0.824	0.415	0.440	
								100	0	20.50	20.26	0.832	0.879	0.445	0.470	
						26590	1905.0	1	49	20.50	20.25	0.783	0.829	0.417	0.442	
								50	24	20.50	20.25	0.787	0.834	0.421	0.446	
					Front	26365	1882.5	1	49	20.50	20.25	0.420	0.445	0.252	0.267	
								50	24	20.50	20.25	0.425	0.450	0.256	0.271	
	Hotspot	QPSK	Mode B	5	Edge 3	26365	1882.5	1	49	20.50	20.25	0.206	0.218	0.098	0.103	
								50	24	20.50	20.25	0.207	0.219	0.098	0.104	
					Edge 4	26140	1860.0	1	49	20.50	19.91	0.787	0.902	0.384	0.440	
								50	24	20.50	20.05	0.817	0.906	0.398	0.441	
						26365	1882.5	1	49	20.50	20.25	0.820	0.869	0.400	0.424	
								50	24	20.50	20.25	0.835	0.884	0.406	0.430	
								100	0	20.50	20.26	0.857	0.906	0.417	0.441	
						26590	1905.0	1	49	20.50	20.25	0.877	0.929	0.429	0.454	
								50	24	20.50	20.25	0.901	0.954	0.440	0.466	101

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	QPSK	Mode A	0	Left Touch	26140	1860.0	1	49	19.60	19.45	0.885	0.916	0.426	0.441	
								50	24	19.60	19.45	0.917	0.949	0.441	0.456	102
						26365	1882.5	1	49	19.60	19.45	0.843	0.873	0.423	0.438	
								50	24	19.60	19.55	0.856	0.866	0.428	0.433	
								100	0	19.60	19.50	0.877	0.897	0.422	0.432	
						26590	1905.0	1	49	19.60	19.45	0.842	0.872	0.405	0.419	
								50	24	19.60	19.54	0.855	0.867	0.410	0.416	
					Left Tilt	26365	1882.5	1	49	19.60	19.45	0.509	0.527	0.249	0.258	
								50	24	19.60	19.55	0.515	0.521	0.254	0.257	
					Right Touch	26365	1882.5	1	49	19.60	19.45	0.272	0.282	0.152	0.157	
								50	24	19.60	19.55	0.278	0.281	0.155	0.157	
					Right Tilt	26365	1882.5	1	49	19.60	19.45	0.228	0.236	0.129	0.134	
								50	24	19.60	19.55	0.232	0.235	0.131	0.133	
	Body & Hotspot	QPSK	Mode B	5	Rear	26365	1882.5	1	49	22.00	21.50	0.516	0.579	0.277	0.311	103
								50	24	22.00	21.51	0.512	0.573	0.275	0.308	
					Front	26365	1882.5	1	49	22.00	21.50	0.314	0.352	0.171	0.192	
								50	24	22.00	21.51	0.309	0.346	0.169	0.189	
	Hotspot	QPSK	Mode B	5	Edge 1	26365	1882.5	1	49	22.00	21.50	0.365	0.410	0.168	0.188	
								50	24	22.00	21.51	0.371	0.415	0.170	0.190	
					Edge 2	26140	1860.0	1	49	22.00	21.50	0.812	0.911	0.400	0.449	
								50	24	22.00	21.42	0.827	0.945	0.409	0.467	
						26365	1882.5	1	49	22.00	21.50	0.827	0.928	0.407	0.457	
								50	24	22.00	21.51	0.848	0.949	0.417	0.467	104
								100	0	22.00	21.50	0.838	0.940	0.413	0.463	
						26590	1905.0	1	49	22.00	21.45	0.772	0.876	0.378	0.429	
								50	24	22.00	21.34	0.778	0.906	0.382	0.445	

10.15. LTE Band 26 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	26865	831.5	1	25	25.70	25.30	0.204	0.224	0.149	0.163	
								25	12	24.70	24.34	0.164	0.178	0.120	0.130	
					Left Tilt	26865	831.5	1	25	25.70	25.30	0.126	0.138	0.095	0.104	
								25	12	24.70	24.34	0.102	0.111	0.077	0.084	
					Right Touch	26865	831.5	1	25	25.70	25.30	0.257	0.282	0.190	0.208	105
								25	12	24.70	24.34	0.201	0.218	0.148	0.161	
					Right Tilt	26865	831.5	1	25	25.70	25.30	0.138	0.151	0.104	0.114	
								25	12	24.70	24.34	0.105	0.114	0.079	0.086	
	Body & Hotspot	QPSK	Mode B	5	Rear	26865	831.5	1	25	25.40	24.90	0.583	0.654	0.323	0.362	106
								25	12	24.70	24.25	0.498	0.552	0.278	0.308	
					Front	26865	831.5	1	25	25.40	24.90	0.336	0.377	0.209	0.235	
								25	12	24.70	24.25	0.270	0.299	0.163	0.181	
	Hotspot	QPSK	Mode B	5	Edge 2	26740	819.0	1	25	25.40	24.90	0.762	0.855	0.487	0.546	
								25	12	24.70	24.22	0.749	0.837	0.481	0.537	
						26865	831.5	1	25	25.40	24.90	0.818	0.918	0.521	0.585	107
								25	12	24.70	24.25	0.774	0.859	0.494	0.548	
								50	0	24.70	24.25	0.760	0.843	0.485	0.538	
						26990	844.0	1	25	25.40	24.86	0.703	0.796	0.444	0.503	
								25	12	24.70	24.25	0.730	0.810	0.465	0.516	
					Edge 3	26865	831.5	1	25	25.40	24.90	0.276	0.310	0.124	0.139	
								25	12	24.70	24.25	0.240	0.266	0.110	0.122	
					Edge 4	26865	831.5	1	25	25.40	24.90	0.310	0.348	0.198	0.222	
								25	12	24.70	24.25	0.363	0.403	0.233	0.258	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	26740	819.0	1	25	24.70	24.20	0.712	0.799	0.476	0.534	
						26865	831.5	1	25	24.70	24.25	0.788	0.874	0.525	0.582	108
								25	12	23.70	23.33	0.601	0.654	0.409	0.445	
						26990	844.0	1	25	24.70	24.21	0.745	0.834	0.500	0.560	
					Left Tilt	26865	831.5	1	25	24.70	24.25	0.544	0.603	0.328	0.364	
								25	12	23.70	23.33	0.475	0.517	0.274	0.298	
					Right Touch	26740	819.0	1	25	24.70	24.20	0.708	0.794	0.471	0.528	
						26865	831.5	1	25	24.70	24.25	0.747	0.829	0.495	0.549	
								25	12	23.70	23.33	0.629	0.685	0.417	0.454	
						26990	844.0	1	25	24.70	24.21	0.781	0.874	0.517	0.579	
					Right Tilt	26865	831.5	1	25	24.70	24.25	0.509	0.565	0.310	0.344	
								25	12	23.70	23.33	0.437	0.476	0.264	0.287	
	Body & Hotspot	QPSK	Mode B	5	Rear	26865	831.5	1	25	24.70	24.25	0.528	0.586	0.317	0.352	109
								25	12	23.70	23.33	0.409	0.445	0.245	0.267	
					Front	26865	831.5	1	25	24.70	24.25	0.339	0.376	0.214	0.237	
								25	12	23.70	23.33	0.262	0.285	0.168	0.183	
	Hotspot	QPSK	Mode B	5	Edge 1	26865	831.5	1	25	24.70	24.25	0.143	0.159	0.072	0.080	
								25	12	23.70	23.33	0.119	0.130	0.060	0.065	
					Edge 2	26865	831.5	1	25	24.70	24.25	0.148	0.164	0.096	0.106	
								25	12	23.70	23.33	0.118	0.128	0.077	0.084	
					Edge 4	26865	831.5	1	25	24.70	24.25	0.238	0.264	0.154	0.171	
								25	12	23.70	23.33	0.181	0.197	0.118	0.128	

10.16. LTE Band 30 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	27710	2310.0	1	25	25.70	25.10	0.222	0.255	0.128	0.147	
								25	12	24.70	24.15	0.161	0.183	0.095	0.108	
					Left Tilt	27710	2310.0	1	25	25.70	25.10	0.090	0.103	0.050	0.058	
								25	12	24.70	24.15	0.072	0.081	0.038	0.043	
					Right Touch	27710	2310.0	1	25	25.70	25.10	0.614	0.705	0.331	0.380	110
								25	12	24.70	24.15	0.414	0.470	0.233	0.264	
					Right Tilt	27710	2310.0	1	25	25.70	25.10	0.125	0.144	0.070	0.080	
								25	12	24.70	24.15	0.116	0.132	0.065	0.073	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	21.10	20.60	0.685	0.769	0.290	0.325	
								25	12	21.10	20.74	0.722	0.784	0.305	0.331	111
					Front	27710	2310.0	1	25	21.10	20.60	0.239	0.268	0.116	0.130	
								25	12	21.10	20.74	0.249	0.271	0.121	0.131	
	Hotspot	QPSK	Mode B	5	Edge 2	27710	2310.0	1	25	21.10	20.60	0.829	0.930	0.354	0.397	
								25	12	21.10	20.74	0.866	0.941	0.369	0.401	112
								50	0	21.10	20.74	0.836	0.908	0.359	0.390	
					Edge 3	27710	2310.0	1	25	21.10	20.60	0.170	0.191	0.068	0.076	
								25	12	21.10	20.74	0.175	0.190	0.071	0.077	
					Edge 4	27710	2310.0	1	25	21.10	20.60	0.037	0.041	0.017	0.019	
								25	12	21.10	20.74	0.039	0.042	0.018	0.020	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	27710	2310.0	1	25	19.60	19.20	0.235	0.258	0.127	0.139	
								25	12	19.60	19.30	0.249	0.267	0.140	0.150	
					Left Tilt	27710	2310.0	1	25	19.60	19.20	0.343	0.376	0.149	0.163	
								25	12	19.60	19.30	0.362	0.388	0.155	0.166	
					Right Touch	27710	2310.0	1	25	19.60	19.20	0.867	0.951	0.423	0.464	
								25	12	19.60	19.30	0.882	0.945	0.430	0.461	
								50	0	19.60	19.35	0.903	0.957	0.438	0.464	113
					Right Tilt	27710	2310.0	1	25	19.60	19.20	0.523	0.573	0.230	0.252	
								25	12	19.60	19.30	0.545	0.584	0.238	0.255	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	20.50	19.93	0.666	0.759	0.334	0.381	114
								25	12	20.50	20.02	0.674	0.753	0.337	0.376	
					Front	27710	2310.0	1	25	20.50	19.93	0.283	0.323	0.152	0.173	
								25	12	20.50	20.02	0.295	0.329	0.157	0.175	
	Hotspot	QPSK	Mode B	5	Edge 1	27710	2310.0	1	25	20.50	19.93	0.296	0.338	0.131	0.149	
								25	12	20.50	20.02	0.268	0.299	0.121	0.135	
					Edge 2	27710	2310.0	1	25	20.50	19.93	0.074	0.085	0.034	0.039	
								25	12	20.50	20.02	0.076	0.085	0.035	0.039	
					Edge 4	27710	2310.0	1	25	20.50	19.93	0.748	0.853	0.358	0.408	
								25	12	20.50	20.02	0.775	0.866	0.371	0.414	
								50	0	20.50	20.00	0.844	0.947	0.397	0.445	115

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	QPSK	Mode A	0	Left Touch	27710	2310.0	1	25	22.30	21.69	0.461	0.531	0.254	0.292	116
								25	12	22.30	21.82	0.472	0.527	0.265	0.296	
					Left Tilt	27710	2310.0	1	25	22.30	21.69	0.095	0.109	0.054	0.062	
								25	12	22.30	21.82	0.098	0.109	0.057	0.063	
					Right Touch	27710	2310.0	1	25	22.30	21.69	0.197	0.227	0.110	0.127	
								25	12	22.30	21.82	0.209	0.233	0.117	0.131	
					Right Tilt	27710	2310.0	1	25	22.30	21.69	0.121	0.139	0.066	0.076	
								25	12	22.30	21.82	0.127	0.142	0.070	0.078	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	19.70	19.40	0.868	0.930	0.441	0.473	
								25	12	19.70	19.50	0.910	0.953	0.463	0.485	117
								50	0	19.70	19.50	0.909	0.952	0.460	0.482	
					Front	27710	2310.0	1	25	19.70	19.40	0.263	0.282	0.139	0.149	
								25	12	19.70	19.50	0.273	0.286	0.145	0.152	
	Hotspot	QPSK	Mode B	5	Edge 3	27710	2310.0	1	25	19.70	19.40	0.424	0.454	0.209	0.224	
								25	12	19.70	19.50	0.445	0.466	0.219	0.229	
					Edge 4	27710	2310.0	1	25	19.70	19.40	0.816	0.874	0.388	0.416	
								25	12	19.70	19.50	0.858	0.898	0.407	0.426	
								50	0	19.70	19.50	0.853	0.893	0.399	0.418	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	QPSK	Mode A	0	Left Touch	27710	2310.0	1	25	18.80	18.44	0.827	0.898	0.381	0.414	
								25	12	18.80	18.40	0.847	0.929	0.392	0.430	118
								50	0	18.80	18.50	0.831	0.890	0.385	0.413	
					Left Tilt	27710	2310.0	1	25	18.80	18.44	0.457	0.496	0.210	0.228	
								25	12	18.80	18.40	0.469	0.514	0.215	0.236	
					Right Touch	27710	2310.0	1	25	18.80	18.44	0.220	0.239	0.123	0.134	
								25	12	18.80	18.40	0.226	0.248	0.126	0.138	
					Right Tilt	27710	2310.0	1	25	18.80	18.44	0.149	0.162	0.082	0.089	
								25	12	18.80	18.40	0.152	0.167	0.083	0.091	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	20.60	20.10	0.775	0.870	0.371	0.416	
								25	12	20.60	20.10	0.801	0.899	0.383	0.430	
								50	0	20.60	20.00	0.805	0.924	0.384	0.441	119
					Front	27710	2310.0	1	25	20.60	20.10	0.355	0.398	0.185	0.208	
								25	12	20.60	20.10	0.363	0.407	0.188	0.211	
	Hotspot	QPSK	Mode B	5	Edge 1	27710	2310.0	1	25	20.60	20.10	0.200	0.224	0.101	0.113	
								25	12	20.60	20.10	0.210	0.236	0.106	0.119	
					Edge 2	27710	2310.0	1	25	20.60	20.10	0.678	0.761	0.311	0.349	
								25	12	20.60	20.10	0.696	0.781	0.319	0.358	

10.17. LTE Band 41 Power Class 3 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	40620	2593.0	1	49	25.70	25.42	0.219	0.234	0.120	0.128	
								50	24	24.70	24.43	0.175	0.186	0.094	0.100	
					Left Tilt	40620	2593.0	1	49	25.70	25.42	0.135	0.144	0.070	0.075	
								50	24	24.70	24.43	0.111	0.118	0.057	0.060	
					Right Touch	40620	2593.0	1	49	25.70	25.42	0.426	0.454	0.213	0.227	120
								50	24	24.70	24.43	0.371	0.395	0.184	0.196	
					Right Tilt	40620	2593.0	1	49	25.70	25.42	0.100	0.107	0.050	0.053	
								50	24	24.70	24.43	0.083	0.088	0.043	0.046	
	Body & Hotspot	QPSK	Mode B	5	Rear	40620	2593.0	1	49	21.70	20.80	0.472	0.581	0.196	0.241	
								50	24	21.70	20.80	0.488	0.600	0.204	0.251	121
					Front	40620	2593.0	1	49	21.70	20.80	0.381	0.469	0.168	0.207	
								50	24	21.70	20.80	0.397	0.488	0.174	0.214	
	Hotspot	QPSK	Mode B	5	Edge 2	39750	2506.0	1	49	21.70	20.71	0.475	0.597	0.195	0.245	
								50	24	21.70	20.89	0.497	0.599	0.204	0.246	
						40185	2549.5	1	49	21.70	20.68	0.530	0.670	0.218	0.276	
								50	24	21.70	20.70	0.559	0.704	0.231	0.291	
						40620	2593.0	1	49	21.70	20.80	0.660	0.812	0.272	0.335	
								50	24	21.70	20.80	0.714	0.878	0.293	0.360	
								100	0	21.70	20.90	0.612	0.736	0.251	0.302	
						41055	2636.5	1	49	21.70	20.75	0.729	0.907	0.300	0.373	
								50	24	21.70	20.80	0.764	0.940	0.312	0.384	122
						41490	2680.0	1	49	21.70	20.60	0.692	0.891	0.277	0.357	
								50	24	21.70	20.61	0.722	0.928	0.290	0.373	
					Edge 3	40620	2593.0	1	49	21.70	20.80	0.118	0.145	0.046	0.057	
								50	24	21.70	20.80	0.121	0.149	0.047	0.058	
					Edge 4	40620	2593.0	1	49	21.70	20.80	0.070	0.086	0.033	0.041	
								50	24	21.70	20.80	0.074	0.091	0.036	0.044	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	39750	2506.0	1	49	18.70	17.80	0.354	0.436	0.131	0.161	
								50	24	18.70	17.80	0.374	0.460	0.138	0.170	
						40185	2549.5	1	49	18.70	17.72	0.526	0.659	0.191	0.239	
								50	24	18.70	17.88	0.560	0.676	0.204	0.246	
						40620	2593.0	1	49	18.70	17.80	0.655	0.806	0.235	0.289	
								50	24	18.70	17.88	0.691	0.835	0.248	0.300	
								100	0	18.70	17.85	0.687	0.836	0.247	0.300	123
						41055	2636.5	1	49	18.70	17.77	0.569	0.705	0.209	0.259	
								50	24	18.70	17.84	0.576	0.702	0.211	0.257	
						41490	2680.0	1	49	18.70	17.80	0.551	0.678	0.201	0.247	
								50	24	18.70	17.85	0.567	0.690	0.207	0.252	
					Left Tilt	40620	2593.0	1	49	18.70	17.80	0.603	0.742	0.218	0.268	
								50	24	18.70	17.88	0.629	0.760	0.227	0.274	
					Right Touch	40620	2593.0	1	49	18.70	17.80	0.573	0.705	0.223	0.274	
								50	24	18.70	17.88	0.597	0.721	0.223	0.269	
					Right Tilt	40620	2593.0	1	49	18.70	17.80	0.495	0.609	0.185	0.228	
								50	24	18.70	17.88	0.513	0.620	0.191	0.231	
	Body & Hotspot	QPSK	Mode B	5	Rear	39750	2506.0	1	49	20.80	20.00	0.601	0.723	0.284	0.341	
								50	24	20.80	19.95	0.632	0.769	0.297	0.361	
						40185	2549.5	1	49	20.80	19.90	0.641	0.789	0.295	0.363	
								50	24	20.80	19.97	0.670	0.811	0.307	0.372	
						40620	2593.0	1	49	20.80	20.00	0.668	0.803	0.295	0.355	
								50	24	20.80	20.05	0.705	0.838	0.310	0.368	
								100	0	20.80	20.01	0.702	0.842	0.307	0.368	124
						41055	2636.5	1	49	20.80	19.95	0.620	0.754	0.245	0.298	
								50	24	20.80	19.93	0.664	0.811	0.260	0.318	
						41490	2680.0	1	49	20.80	20.00	0.604	0.726	0.244	0.293	
								50	24	20.80	20.05	0.624	0.742	0.250	0.297	
					Front	40620	2593.0	1	49	20.80	20.00	0.413	0.497	0.166	0.200	
								50	24	20.80	20.05	0.426	0.506	0.171	0.203	
	Hotspot	QPSK	Mode B	5	Edge 1	40620	2593.0	1	49	20.80	20.00	0.595	0.715	0.217	0.261	
								50	24	20.80	20.05	0.610	0.725	0.225	0.267	
					Edge 2	40620	2593.0	1	49	20.80	20.00	0.035	0.042	0.014	0.017	
								50	24	20.80	20.05	0.037	0.043	0.016	0.019	
					Edge 4	40620	2593.0	1	49	20.80	20.00	0.572	0.688	0.243	0.292	
								50	24	20.80	20.05	0.598	0.711	0.254	0.302	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	QPSK	Mode A	0	Left Touch	39750	2506.0	1	49	25.20	24.65	0.625	0.709	0.329	0.373	
						40185	2549.5	1	49	25.20	24.57	0.605	0.699	0.321	0.371	
						40620	2593.0	1	49	25.20	24.73	0.792	0.883	0.407	0.454	
								50	24	24.20	23.87	0.661	0.713	0.339	0.366	
						41055	2636.5	1	49	25.20	24.31	0.762	0.935	0.393	0.482	125
						41490	2680.0	1	49	25.20	24.68	0.795	0.896	0.408	0.460	
					Left Tilt	40620	2593.0	1	49	25.20	24.73	0.164	0.183	0.084	0.094	
								50	24	24.20	23.87	0.130	0.140	0.067	0.072	
					Right Touch	40620	2593.0	1	49	25.20	24.73	0.348	0.388	0.193	0.215	
								50	24	24.20	23.87	0.263	0.284	0.145	0.156	
					Right Tilt	40620	2593.0	1	49	25.20	24.73	0.252	0.281	0.127	0.142	
								50	24	24.20	23.87	0.209	0.225	0.105	0.113	
	Body & Hotspot	QPSK	Mode B	5	Rear	39750	2506.0	1	49	20.80	20.32	0.577	0.644	0.285	0.318	
								50	24	20.80	20.32	0.604	0.675	0.298	0.333	
						40185	2549.5	1	49	20.80	20.33	0.628	0.700	0.309	0.344	
								50	24	20.80	20.31	0.659	0.738	0.325	0.364	
						40620	2593.0	1	49	20.80	20.38	0.819	0.902	0.388	0.427	
								50	24	20.80	20.45	0.861	0.933	0.407	0.441	126
								100	0	20.80	20.35	0.713	0.791	0.348	0.386	
						41055	2636.5	1	49	20.80	20.21	0.611	0.700	0.294	0.337	
								50	24	20.80	20.35	0.744	0.825	0.360	0.399	
						41490	2680.0	1	49	20.80	20.38	0.670	0.738	0.319	0.351	
								50	24	20.80	20.35	0.782	0.867	0.375	0.416	
					Front	40620	2593.0	1	49	20.80	20.38	0.364	0.401	0.188	0.207	
								50	24	20.80	20.45	0.363	0.393	0.188	0.204	
	Hotspot	QPSK	Mode B	5	Edge 3	40620	2593.0	1	49	20.80	20.38	0.179	0.197	0.085	0.094	
								50	24	20.80	20.45	0.183	0.198	0.087	0.094	
					Edge 4	39750	2506.0	1	49	20.80	20.32	0.548	0.612	0.250	0.279	
								50	24	20.80	20.32	0.562	0.628	0.255	0.285	
						40185	2549.5	1	49	20.80	20.33	0.604	0.673	0.275	0.306	
								50	24	20.80	20.31	0.629	0.704	0.285	0.319	
						40620	2593.0	1	49	20.80	20.38	0.728	0.802	0.320	0.352	
								50	24	20.80	20.45	0.771	0.836	0.339	0.367	
								100	0	20.80	20.35	0.760	0.843	0.335	0.372	
						41055	2636.5	1	49	20.80	20.21	0.753	0.863	0.330	0.378	
								50	24	20.80	20.35	0.768	0.852	0.338	0.375	
						41490	2680.0	1	49	20.80	20.38	0.673	0.741	0.299	0.329	
								50	24	20.80	20.35	0.689	0.764	0.305	0.338	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 4	Head	QPSK	Mode A	0	Left Touch	40620	2593.0	1	49	19.80	19.00	0.362	0.435	0.152	0.183	
								50	24	19.80	19.05	0.374	0.444	0.157	0.187	127
					Left Tilt	40620	2593.0	1	49	19.80	19.00	0.180	0.216	0.079	0.095	
								50	24	19.80	19.05	0.188	0.223	0.084	0.100	
					Right Touch	40620	2593.0	1	49	19.80	19.00	0.152	0.183	0.075	0.090	
								50	24	19.80	19.05	0.159	0.189	0.078	0.093	
					Right Tilt	40620	2593.0	1	49	19.80	19.00	0.047	0.056	0.020	0.024	
								50	24	19.80	19.05	0.048	0.057	0.020	0.024	
	Body & Hotspot	QPSK	Mode B	5	Rear	40620	2593.0	1	49	21.50	20.80	0.533	0.626	0.231	0.271	
								50	24	21.50	20.81	0.558	0.654	0.242	0.284	128
					Front	40620	2593.0	1	49	21.50	20.80	0.202	0.237	0.096	0.112	
								50	24	21.50	20.81	0.228	0.267	0.109	0.128	
	Hotspot	QPSK	Mode B	5	Edge 1	40620	2593.0	1	49	21.50	20.80	0.049	0.058	0.021	0.025	
								50	24	21.50	20.81	0.053	0.062	0.024	0.028	
					Edge 2	40620	2593.0	1	49	21.50	20.80	0.642	0.754	0.276	0.324	129
								50	24	21.50	20.81	0.632	0.741	0.273	0.320	

UL CA 41C

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offest	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	40521	2583.1	1	99	40719	2602.9	1	0	25.70	25.20	0.278	0.312	0.139	0.156	
ANT 1	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	21.70	20.70	0.232	0.292	0.096	0.121	
ANT 1	Hotspot	QPSK	Mode B	5	Edge 2	41292	2660.2	1	99	41490	2680.0	1	0	21.70	20.63	0.339	0.434	0.137	0.175	
ANT 2	Head	QPSK	Mode A	0	Left Touch	40521	2583.1	1	99	40719	2602.9	1	0	18.70	17.80	0.621	0.764	0.231	0.284	
ANT 2	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	20.80	19.99	0.687	0.828	0.271	0.327	
ANT 2	Hotspot	QPSK	Mode B	5	Edge 4	40521	2583.1	1	99	40719	2602.9	1	0	20.80	19.99	0.311	0.375	0.130	0.157	
ANT 3	Head	QPSK	Mode A	0	Left Touch	41292	2660.2	1	99	41490	2680.0	1	0	25.20	24.20	0.314	0.395	0.162	0.204	
ANT 3	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	20.80	20.06	0.303	0.359	0.144	0.171	
ANT 4	Head	QPSK	Mode A	0	Left Touch	40521	2583.1	1	99	40719	2602.9	1	0	19.80	19.00	0.169	0.203	0.068	0.082	
ANT 4	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	21.50	20.58	0.186	0.230	0.081	0.099	
ANT 4	Hotspot	QPSK	Mode B	5	Edge 2	40521	2583.1	1	99	40719	2602.9	1	0	21.50	20.58	0.271	0.335	0.115	0.142	

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

10.18. LTE Band 41 Power Class 2 (20MHz Bandwidth)

According to Section 9.4, SAR evaluation for PC2 is only required when its Maximum output power (Tune-up Limit) is higher from PC3.

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

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

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

Reported SAR vs. Output Power linearly scaled

Antenna	RF Exposure Conditions	Power Class 2			Power Class 3				PC2 linearly scaled Reported SAR (W/kg)	Linearly scaled (<10%)
		Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Reported 1-g SAR (W/kg)		
ANT1	Head	43.3%	27.50	243.49	63.3%	25.70	235.18	0.454	0.470	3.53%
ANT3	Head	43.3%	27.00	217.01	63.3%	25.20	209.61	0.935	0.968	3.53%

Conclusion:
SAR test for Power Class 2 is not required base on the reported SAR <1.4 W/kg and reported SAR vs. output power linearly scaled <10%.

ULCA41C Power class 2

Antenna	RF Exposure Conditions	Power Class 2			Power Class 3				PC2 linearly scaled Reported SAR (W/kg)	Linearly scaled (<10%)
		Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Reported 1-g SAR (W/kg)		
ANT1	Head	43.3%	27.50	243.49	63.3%	25.70	235.18	0.312	0.323	3.53%
ANT3	Head	43.3%	27.00	217.01	63.3%	25.20	209.61	0.395	0.409	3.53%

Conclusion:
SAR test for Power Class 2 is not required base on the reported SAR <1.4 W/kg and reported SAR vs. output power linearly scaled <10%.

10.19. LTE Band 48 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT7	Head	QPSK	Mode A	0	Left Touch	56207	3646.7	1	49	25.70	25.20	0.192	0.215	0.083	0.093	
								50	24	24.70	24.20	0.154	0.173	0.066	0.074	
					Left Tilt	56207	3646.7	1	49	25.70	25.20	0.077	0.086	0.026	0.029	
								50	24	24.70	24.20	0.071	0.079	0.027	0.030	
					Right Touch	56207	3646.7	1	49	25.70	25.20	0.321	0.360	0.131	0.147	130
								50	24	24.70	24.20	0.235	0.264	0.098	0.110	
					Right Tilt	56207	3646.7	1	49	25.70	25.20	0.043	0.048	0.014	0.016	
								50	24	24.70	24.20	0.027	0.031	0.006	0.007	
	Body & Hotspot	QPSK	Mode B	5	Rear	56207	3646.7	1	49	21.90	21.30	0.496	0.569	0.195	0.224	
								50	24	21.90	21.34	0.512	0.582	0.202	0.230	131
					Front	56207	3646.7	1	49	21.90	21.30	0.348	0.400	0.132	0.152	
								50	24	21.90	21.34	0.353	0.402	0.134	0.152	
	Hotspot	QPSK	Mode B	5	Edge 2	55340	3560.0	1	49	21.90	21.45	0.858	0.952	0.323	0.358	
								50	24	21.90	21.50	0.872	0.956	0.328	0.360	132
						55773	3603.3	1	49	21.90	21.35	0.758	0.860	0.286	0.325	
								50	24	21.90	21.40	0.792	0.889	0.298	0.334	
						56207	3646.7	1	49	21.90	21.30	0.699	0.803	0.264	0.303	
								50	24	21.90	21.34	0.717	0.816	0.271	0.308	
								100	0	21.90	21.40	0.714	0.801	0.271	0.304	
						56640	3690.0	1	49	21.90	21.30	0.820	0.941	0.256	0.294	
								50	24	21.90	21.30	0.686	0.788	0.261	0.300	
					Edge 3	56207	3646.7	1	49	21.90	21.30	0.151	0.173	0.055	0.063	
								50	24	21.90	21.34	0.152	0.173	0.054	0.061	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT8	Head	QPSK	Mode A	0	Left Touch	56207	3646.7	1	49	21.50	21.20	0.292	0.313	0.100	0.107	
								50	24	21.50	21.20	0.316	0.339	0.104	0.111	
					Left Tilt	56207	3646.7	1	49	21.50	21.20	0.340	0.364	0.138	0.148	
								50	24	21.50	21.20	0.343	0.368	0.138	0.148	
					Right Touch	55340	3560.0	1	49	21.50	21.05	0.739	0.820	0.290	0.322	
								50	24	21.50	21.20	0.806	0.864	0.317	0.340	
						55773	3603.3	1	49	21.50	21.13	0.816	0.889	0.314	0.342	
								50	24	21.50	21.18	0.864	0.930	0.335	0.361	
						56207	3646.7	1	49	21.50	21.20	0.844	0.904	0.330	0.354	
								50	24	21.50	21.20	0.775	0.830	0.295	0.316	
								100	0	21.50	21.20	0.813	0.871	0.317	0.340	
						56640	3690.0	1	49	21.50	21.15	0.806	0.874	0.320	0.347	
								50	24	21.50	21.12	0.759	0.828	0.302	0.330	
					Right Tilt	55340	3560.0	1	49	21.50	21.05	0.840	0.932	0.325	0.360	
								50	24	21.50	21.20	0.893	0.957	0.332	0.356	133
						55773	3603.3	1	49	21.50	21.13	0.829	0.903	0.307	0.334	
								50	24	21.50	21.18	0.872	0.939	0.317	0.341	
						56207	3646.7	1	49	21.50	21.20	0.808	0.866	0.308	0.330	
								50	24	21.50	21.20	0.841	0.901	0.322	0.345	
								100	0	21.50	21.20	0.847	0.908	0.324	0.347	
						56640	3690.0	1	49	21.50	21.15	0.852	0.924	0.343	0.372	
								50	24	21.50	21.12	0.826	0.902	0.319	0.348	
	Body & Hotspot	QPSK	Mode B	5	Rear	55340	3560.0	1	49	23.00	22.75	0.828	0.877	0.315	0.334	
								50	24	22.00	21.56	0.715	0.791	0.254	0.281	
						55773	3603.3	1	49	23.00	22.55	0.794	0.881	0.294	0.326	
								50	24	22.00	21.39	0.718	0.826	0.253	0.291	
						56207	3646.7	1	49	23.00	22.80	0.838	0.877	0.300	0.314	
								50	24	22.00	21.56	0.734	0.812	0.251	0.278	
								100	0	22.00	21.53	0.857	0.955	0.294	0.328	134
						56640	3690.0	1	49	23.00	22.80	0.880	0.921	0.308	0.323	
								50	24	22.00	21.56	0.786	0.870	0.267	0.295	
					Front	56207	3646.7	1	49	23.00	22.80	0.348	0.364	0.148	0.155	
								50	24	22.00	21.56	0.278	0.308	0.116	0.128	
	Hotspot	QPSK	Mode B	5	Edge 1	56207	3646.7	1	49	23.00	22.80	0.402	0.421	0.137	0.143	
								50	24	22.00	21.56	0.329	0.364	0.113	0.125	
					Edge 4	56207	3646.7	1	49	23.00	22.80	0.441	0.462	0.176	0.184	
								50	24	22.00	21.56	0.456	0.505	0.182	0.201	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT9	Head	QPSK	Mode A	0	Left Touch	56207	3646.7	1	49	25.20	24.42	0.513	0.614	0.170	0.203	135
								50	24	24.70	23.83	0.356	0.435	0.112	0.137	
					Left Tilt	56207	3646.7	1	49	25.20	24.42	0.033	0.039	0.010	0.012	
								50	24	24.70	23.83	0.016	0.019	0.001	0.001	
					Right Touch	56207	3646.7	1	49	25.20	24.42	0.147	0.176	0.039	0.047	
								50	24	24.70	23.83	0.108	0.132	0.026	0.032	
					Right Tilt	56207	3646.7	1	49	25.20	24.42	0.295	0.353	0.097	0.116	
								50	24	24.70	23.83	0.291	0.356	0.094	0.115	
	Body & Hotspot	QPSK	Mode B	5	Rear	56207	3646.7	1	49	22.10	21.45	0.421	0.489	0.180	0.209	
								50	24	22.10	21.54	0.432	0.491	0.187	0.213	136
					Front	56207	3646.7	1	49	22.10	21.45	0.325	0.377	0.126	0.146	
								50	24	22.10	21.54	0.323	0.367	0.113	0.129	
	Hotspot	QPSK	Mode B	5	Edge 3	56207	3646.7	1	49	22.10	21.45	0.133	0.154	0.054	0.063	
								50	24	22.10	21.54	0.134	0.152	0.054	0.061	
					Edge 4	55340	3560.0	1	49	22.10	21.45	0.801	0.930	0.269	0.312	
								50	24	22.10	21.75	0.881	0.955	0.306	0.332	137
						55773	3603.3	1	49	22.10	21.34	0.719	0.857	0.243	0.289	
								50	24	22.10	21.43	0.738	0.861	0.259	0.302	
						56207	3646.7	1	49	22.10	21.45	0.696	0.808	0.245	0.285	
								50	24	22.10	21.54	0.705	0.802	0.246	0.280	
								100	0	22.10	21.53	0.705	0.804	0.245	0.279	
						56640	3690.0	1	49	22.10	21.25	0.580	0.705	0.203	0.247	
								50	24	22.10	21.19	0.570	0.703	0.204	0.252	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	QPSK	Mode A	0	Left Touch	55340	3560.0	1	49	22.50	22.15	0.865	0.938	0.354	0.384	
						55773	3603.3	1	49	22.50	22.25	0.895	0.948	0.354	0.375	138
						56207	3646.7	1	49	22.50	22.25	0.861	0.912	0.291	0.308	
								50	24	21.50	21.20	0.660	0.707	0.233	0.250	
						56640	3690.0	1	49	22.50	22.11	0.826	0.904	0.291	0.318	
					Left Tilt	56207	3646.7	1	49	22.50	22.25	0.493	0.522	0.206	0.218	
								50	24	21.50	21.20	0.403	0.432	0.166	0.178	
					Right Touch	56207	3646.7	1	49	22.50	22.25	0.226	0.239	0.095	0.100	
								50	24	21.50	21.20	0.180	0.193	0.073	0.078	
					Right Tilt	55340	3560.0	1	49	22.50	22.25	0.260	0.275	0.107	0.113	
								50	24	21.50	21.20	0.212	0.227	0.087	0.093	
	Body & Hotspot	QPSK	Mode B	5	Rear	55340	3560.0	1	49	22.50	22.15	0.706	0.765	0.283	0.307	
						55773	3603.3	1	49	22.50	22.25	0.704	0.746	0.291	0.308	
						56207	3646.7	1	49	22.50	22.25	0.802	0.850	0.330	0.350	139
								50	24	21.50	21.20	0.646	0.692	0.265	0.284	
						56640	3690.0	1	49	22.50	22.11	0.666	0.729	0.261	0.286	
					Front	56207	3646.7	1	49	22.50	22.25	0.321	0.340	0.126	0.133	
								50	24	21.50	21.20	0.262	0.281	0.102	0.109	
	Hotspot	QPSK	Mode B	5	Edge 1	56207	3646.7	1	49	22.50	22.25	0.126	0.133	0.057	0.060	
								50	24	21.50	21.20	0.123	0.132	0.055	0.059	
					Edge 2	56207	3646.7	1	49	22.50	22.25	0.719	0.762	0.259	0.274	
								50	24	21.50	21.20	0.594	0.636	0.213	0.228	

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Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offest	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 7	Head	QPSK	Mode A	0	Right Touch	55891	3615.1	1	99	56089	3634.9	1	0	25.70	25.10	0.171	0.196	0.064	0.073	
ANT 7	Body	QPSK	Mode B	5	Rear	55891	3615.1	1	99	56089	3634.9	1	0	21.90	21.25	0.187	0.217	0.078	0.091	
ANT 7	Hotspot	QPSK	Mode B	5	Edge 2	55340	3560.0	1	99	55538	3579.8	1	0	21.90	21.14	0.322	0.384	0.125	0.149	
ANT 8	Head	QPSK	Mode A	0	Right Tilt	56442	3670.2	1	99	56640	3690.0	1	0	21.50	21.05	0.363	0.403	0.147	0.163	
ANT 8	Body	QPSK	Mode B	5	Rear	56442	3670.2	1	99	56640	3690.0	1	0	23.00	22.61	0.364	0.398	0.130	0.142	
ANT 8	Hotspot	QPSK	Mode B	5	Edge 1	55891	3615.1	1	99	56089	3634.9	1	0	23.00	22.61	0.157	0.172	0.058	0.063	
ANT 9	Head	QPSK	Mode A	0	Left Touch	55891	3615.1	1	99	56089	3634.9	1	0	25.20	24.30	0.249	0.306	0.086	0.106	
ANT 9	Body	QPSK	Mode B	5	Rear	55891	3615.1	1	99	56089	3634.9	1	0	22.10	21.49	0.192	0.221	0.081	0.093	
ANT 9	Hotspot	QPSK	Mode B	5	Edge 4	55340	3560.0	1	99	55538	3579.8	1	0	22.10	21.68	0.327	0.360	0.116	0.128	
ANT 4	Head	QPSK	Mode A	0	Left Touch	55340	3560.0	1	99	55538	3579.8	1	0	22.50	22.20	0.525	0.563	0.192	0.206	
ANT 4	Body	QPSK	Mode B	5	Rear	55891	3615.1	1	99	56089	3634.9	1	0	22.50	22.20	0.292	0.313	0.126	0.135	
ANT 4	Hotspot	QPSK	Mode B	5	Edge 2	55340	3560.0	1	99	55538	3579.8	1	0	22.50	22.20	0.429	0.460	0.160	0.171	

Note(s):

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

10.20. LTE Band 66 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	132322	1745.0	1	49	25.00	24.48	0.183	0.206	0.116	0.131	
								50	24	24.70	24.20	0.141	0.158	0.090	0.100	
					Left Tilt	132322	1745.0	1	49	25.00	24.48	0.144	0.162	0.092	0.104	
								50	24	24.70	24.20	0.113	0.127	0.072	0.080	
					Right Touch	132322	1745.0	1	49	25.00	24.48	0.413	0.466	0.253	0.285	140
								50	24	24.70	24.20	0.379	0.425	0.230	0.258	
					Right Tilt	132322	1745.0	1	49	25.00	24.48	0.145	0.163	0.093	0.104	
								50	24	24.70	24.20	0.115	0.129	0.073	0.082	
	Body & Hotspot	QPSK	Mode B	5	Rear	132072	1720.0	1	49	20.50	20.00	0.793	0.890	0.375	0.421	
								50	24	20.50	20.02	0.812	0.907	0.385	0.430	
						132322	1745.0	1	49	20.50	20.10	0.797	0.874	0.374	0.410	
								50	24	20.50	20.15	0.781	0.847	0.365	0.396	
								100	0	20.50	20.10	0.801	0.878	0.373	0.409	
						132572	1770.0	1	49	20.50	20.05	0.830	0.921	0.395	0.438	141
								50	24	20.50	20.15	0.788	0.854	0.366	0.397	
					Front	132322	1745.0	1	49	20.50	20.10	0.369	0.405	0.193	0.212	
								50	24	20.50	20.15	0.379	0.411	0.198	0.215	
	Hotspot	QPSK	Mode B	5	Edge 2	132322	1745.0	1	49	20.50	20.10	0.499	0.547	0.227	0.249	
								50	24	20.50	20.15	0.512	0.555	0.232	0.251	
					Edge 3	132322	1745.0	1	49	20.50	20.10	0.469	0.514	0.235	0.258	
								50	24	20.50	20.15	0.484	0.525	0.241	0.261	
					Edge 4	132322	1745.0	1	49	20.50	20.10	0.001	0.001	0.001	0.001	
								50	24	20.50	20.15	0.001	0.001	0.001	0.001	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	132322	1745.0	1	49	17.60	17.30	0.671	0.719	0.314	0.336	
								50	24	17.60	17.30	0.699	0.749	0.325	0.348	
					Left Tilt	132322	1745.0	1	49	17.60	17.30	0.672	0.720	0.312	0.334	
								50	24	17.60	17.30	0.701	0.751	0.327	0.350	
					Right Touch	132072	1720.0	1	49	17.60	17.30	0.847	0.908	0.413	0.443	
								50	24	17.60	17.30	0.873	0.935	0.424	0.454	142
						132322	1745.0	1	49	17.60	17.30	0.773	0.828	0.388	0.416	
								50	24	17.60	17.30	0.793	0.850	0.398	0.426	
								100	0	17.60	17.27	0.806	0.870	0.394	0.425	
						132572	1770.0	1	49	17.60	17.25	0.700	0.759	0.360	0.390	
								50	24	17.60	17.29	0.719	0.772	0.369	0.396	
					Right Tilt	132322	1745.0	1	49	17.60	17.30	0.721	0.773	0.346	0.371	
								50	24	17.60	17.30	0.742	0.795	0.356	0.381	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	18.30	18.00	0.702	0.752	0.344	0.369	143
								50	24	18.30	18.05	0.695	0.736	0.346	0.367	
					Front	132322	1745.0	1	49	18.30	18.00	0.662	0.709	0.314	0.336	
								50	24	18.30	18.05	0.682	0.722	0.323	0.342	
	Hotspot	QPSK	Mode B	5	Edge 1	132072	1720.0	1	49	18.30	18.00	0.828	0.887	0.368	0.394	
								50	24	18.30	18.05	0.862	0.913	0.394	0.417	
						132322	1745.0	1	49	18.30	18.00	0.761	0.815	0.347	0.372	
								50	24	18.30	18.05	0.815	0.863	0.376	0.398	
								100	0	18.30	18.05	0.877	0.929	0.398	0.422	144
						132572	1770.0	1	49	18.30	17.85	0.811	0.900	0.374	0.415	
								50	24	18.30	17.91	0.810	0.886	0.368	0.403	
					Edge 2	132322	1745.0	1	49	18.30	18.00	0.008	0.009	0.004	0.004	
								50	24	18.30	18.05	0.010	0.010	0.005	0.005	
					Edge 4	132322	1745.0	1	49	18.30	18.00	0.216	0.231	0.119	0.128	
								50	24	18.30	18.05	0.221	0.234	0.122	0.129	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	QPSK	Mode A	0	Left Touch	132322	1745.0	1	49	25.20	24.70	0.509	0.571	0.324	0.364	145
								50	24	24.20	23.71	0.403	0.451	0.257	0.288	
					Left Tilt	132322	1745.0	1	49	25.20	24.70	0.127	0.142	0.086	0.096	
								50	24	24.20	23.71	0.131	0.147	0.089	0.100	
					Right Touch	132322	1745.0	1	49	25.20	24.70	0.137	0.154	0.095	0.107	
								50	24	24.20	23.71	0.140	0.157	0.096	0.107	
					Right Tilt	132322	1745.0	1	49	25.20	24.70	0.169	0.190	0.114	0.128	
								50	24	24.20	23.71	0.180	0.201	0.118	0.132	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	21.50	20.85	0.578	0.671	0.317	0.368	146
								50	24	21.50	21.00	0.592	0.664	0.324	0.364	
					Front	132322	1745.0	1	49	21.50	20.85	0.409	0.475	0.239	0.278	
								50	24	21.50	21.00	0.403	0.452	0.233	0.261	
	Hotspot	QPSK	Mode B	5	Edge 3	132322	1745.0	1	49	21.50	20.85	0.174	0.202	0.077	0.089	
								50	24	21.50	21.00	0.177	0.199	0.078	0.088	
					Edge 4	132072	1720.0	1	49	21.50	20.85	0.774	0.899	0.401	0.466	
								50	24	21.50	20.91	0.731	0.837	0.382	0.438	
						132322	1745.0	1	49	21.50	20.85	0.729	0.847	0.377	0.438	
								50	24	21.50	21.00	0.755	0.847	0.390	0.438	
								100	0	21.50	20.97	0.754	0.852	0.394	0.445	
						132572	1770.0	1	49	21.50	20.84	0.816	0.950	0.422	0.491	147
								50	24	21.50	20.99	0.818	0.920	0.421	0.473	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	QPSK	Mode A	0	Left Touch	132072	1720.0	1	49	20.30	19.50	0.615	0.739	0.312	0.375	
								50	24	20.30	19.74	0.638	0.726	0.322	0.366	
						132322	1745.0	1	49	20.30	19.58	0.693	0.818	0.352	0.415	
								50	24	20.30	19.75	0.719	0.816	0.363	0.412	
								100	0	20.30	19.72	0.714	0.816	0.362	0.414	
						132572	1770.0	1	49	20.30	19.55	0.791	0.940	0.403	0.479	148
								50	24	20.30	19.68	0.799	0.922	0.408	0.471	
					Left Tilt	132322	1745.0	1	49	20.30	19.58	0.437	0.516	0.217	0.256	
								50	24	20.30	19.75	0.444	0.504	0.221	0.251	
					Right Touch	132322	1745.0	1	49	20.30	19.58	0.258	0.305	0.150	0.177	
								50	24	20.30	19.75	0.226	0.257	0.131	0.149	
					Right Tilt	132322	1745.0	1	49	20.30	19.58	0.210	0.248	0.123	0.145	
								50	24	20.30	19.75	0.216	0.245	0.127	0.144	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	21.50	21.00	0.399	0.448	0.221	0.248	
								50	24	21.50	20.95	0.405	0.460	0.226	0.257	149
					Front	132322	1745.0	1	49	21.50	21.00	0.362	0.406	0.195	0.219	
								50	24	21.50	20.95	0.368	0.418	0.199	0.226	
	Hotspot	QPSK	Mode B	5	Edge 1	132322	1745.0	1	49	21.50	21.00	0.350	0.393	0.153	0.172	
								50	24	21.50	20.95	0.359	0.407	0.157	0.178	
					Edge 2	132072	1720.0	1	49	21.50	20.75	0.603	0.717	0.305	0.362	
								50	24	21.50	20.78	0.619	0.731	0.313	0.369	
						132322	1745.0	1	49	21.50	20.84	0.688	0.801	0.347	0.404	
								50	24	21.50	20.95	0.709	0.805	0.358	0.406	
								100	0	21.50	20.66	0.710	0.862	0.359	0.436	
						132572	1770.0	1	49	21.50	20.85	0.823	0.956	0.418	0.485	150
								50	24	21.50	20.95	0.836	0.949	0.424	0.481	

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Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offest	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	132323	1745.1	1	99	132521	1764.9	1	0	25.00	24.32	0.272	0.318	0.157	0.184	
ANT 1	Body	QPSK	Mode B	5	Rear	132374	1750.2	1	99	132572	1770.0	1	0	20.50	20.00	0.383	0.430	0.186	0.209	
ANT 1	Hotspot	QPSK	Mode B	5	Edge 2	132374	1750.2	1	99	132572	1770.0	1	0	20.50	20.00	0.221	0.248	0.102	0.114	
ANT 2	Head	QPSK	Mode A	0	Right Touch	132072	1720.0	1	99	132270	1739.8	1	0	17.60	16.80	0.531	0.638	0.247	0.297	
ANT 2	Body	QPSK	Mode B	5	Rear	132374	1750.2	1	99	132572	1770.0	1	0	18.30	17.19	0.323	0.417	0.159	0.205	
ANT 2	Hotspot	QPSK	Mode B	5	Edge 1	132323	1745.1	1	99	132521	1764.9	1	0	18.30	17.23	0.387	0.495	0.174	0.223	
ANT 3	Head	QPSK	Mode A	0	Left Touch	132323	1745.1	1	99	132521	1764.9	1	0	25.20	24.58	0.275	0.317	0.171	0.197	
ANT 3	Body	QPSK	Mode B	5	Rear	132323	1745.1	1	99	132521	1764.9	1	0	21.50	20.77	0.152	0.180	0.087	0.103	
ANT 3	Hotspot	QPSK	Mode B	5	Edge 4	132374	1750.2	1	99	132572	1770.0	1	0	21.50	20.76	0.346	0.410	0.181	0.215	
ANT 4	Head	QPSK	Mode A	0	Left Touch	132374	1750.2	1	99	132572	1770.0	1	0	20.30	19.43	0.323	0.395	0.163	0.199	
ANT 4	Body	QPSK	Mode B	5	Rear	132323	1745.1	1	99	132521	1764.9	1	0	21.50	20.67	0.249	0.301	0.137	0.166	
ANT 4	Hotspot	QPSK	Mode B	5	Edge 2	132374	1750.2	1	99	132572	1770.0	1	0	21.50	20.64	0.523	0.638	0.256	0.312	

Note(s):

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

10.21. LTE Band 71 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	133297	680.5	1	49	25.70	25.10	0.158	0.181	0.117	0.134	
								50	24	24.70	24.10	0.131	0.150	0.098	0.112	
					Left Tilt	133297	680.5	1	49	25.70	25.10	0.103	0.118	0.080	0.092	
								50	24	24.70	24.10	0.073	0.084	0.058	0.066	
					Right Touch	133297	680.5	1	49	25.70	25.10	0.191	0.219	0.145	0.166	151
								50	24	24.70	24.10	0.166	0.191	0.125	0.144	
					Right Tilt	133297	680.5	1	49	25.70	25.10	0.099	0.114	0.079	0.091	
								50	24	24.70	24.10	0.076	0.087	0.061	0.070	
	Body & Hotspot	QPSK	Mode B	5	Rear	133297	680.5	1	49	25.70	25.10	0.607	0.697	0.327	0.375	152
								50	24	24.70	24.10	0.461	0.529	0.254	0.292	
					Front	133297	680.5	1	49	25.70	25.10	0.357	0.410	0.213	0.245	
								50	24	24.70	24.10	0.258	0.296	0.159	0.183	
	Hotspot	QPSK	Mode B	5	Edge 2	133297	680.5	1	49	25.70	25.10	0.423	0.486	0.263	0.302	
								50	24	24.70	24.10	0.399	0.458	0.244	0.280	
					Edge 3	133297	680.5	1	49	25.70	25.10	0.389	0.447	0.176	0.202	
								50	24	24.70	24.10	0.295	0.339	0.139	0.160	
					Edge 4	133297	680.5	1	49	25.70	25.10	0.168	0.193	0.109	0.125	
								50	24	24.70	24.10	0.144	0.165	0.093	0.107	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	133297	680.5	1	49	24.70	24.35	0.669	0.725	0.413	0.448	153
								50	24	23.70	23.33	0.466	0.507	0.246	0.268	
					Left Tilt	133297	680.5	1	49	24.70	24.35	0.617	0.669	0.327	0.354	
								50	24	23.70	23.33	0.452	0.492	0.212	0.231	
					Right Touch	133297	680.5	1	49	24.70	24.35	0.506	0.548	0.323	0.350	
								50	24	23.70	23.33	0.407	0.443	0.234	0.255	
					Right Tilt	133297	680.5	1	49	24.70	24.35	0.453	0.491	0.245	0.266	
								50	24	23.70	23.33	0.364	0.396	0.194	0.211	
	Body & Hotspot	QPSK	Mode B	5	Rear	133297	680.5	1	49	24.70	24.35	0.457	0.495	0.247	0.268	154
								50	24	23.70	23.33	0.321	0.350	0.177	0.193	
					Front	133297	680.5	1	49	24.70	24.35	0.272	0.295	0.174	0.189	
								50	24	23.70	23.33	0.196	0.213	0.125	0.136	
	Hotspot	QPSK	Mode B	5	Edge 1	133297	680.5	1	49	24.70	24.35	0.200	0.217	0.094	0.102	
								50	24	23.70	23.33	0.186	0.203	0.087	0.095	
					Edge 2	133297	680.5	1	49	24.70	24.35	0.053	0.057	0.036	0.039	
								50	24	23.70	23.33	0.045	0.049	0.030	0.033	
					Edge 4	133297	680.5	1	49	24.70	24.35	0.187	0.203	0.118	0.128	
								50	24	23.70	23.33	0.147	0.160	0.094	0.102	

SAR Testing for 5G Bands was performed in one of two ways:

1.) If the 5G Band has a LTE equivalent Band, such as LTE Band 5 for 5G Band n5; then spot-checks were performed on the worst-case position per Exposure Condition per Antenna. If the Reported SAR Result for the 5G spot-check is ≤ the Reported SAR result of the LTE equivalent Band, then no further testing is required. If the value is more than 10% greater than the LTE equivalent Band, full testing is required.

2.) If there is no LTE equivalent Band supported on this device, then full testing is required for that band.

10.22. 5G NR Band n5 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	167300	836.6	1	53	25.70	25.02	0.157	0.184	0.119	0.139	210
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	167300	836.6	1	53	25.40	25.02	0.419	0.457	0.232	0.253	211
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	167300	836.6	1	53	25.40	25.02	0.495	0.540	0.318	0.347	212
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	167300	836.6	1	53	24.70	24.04	0.438	0.510	0.288	0.335	213
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	167300	836.6	1	53	24.70	24.04	0.347	0.404	0.203	0.236	214

10.23. 5G NR Band n7 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	512000	2560.0	1	53	25.70	25.10	0.624	0.716	0.317	0.364	215
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	512000	2560.0	50	28	20.50	19.93	0.679	0.774	0.277	0.316	216
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	512000	2560.0	50	28	20.50	19.93	0.750	0.855	0.306	0.349	217
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	512000	2560.0	50	28	18.20	17.76	0.743	0.822	0.303	0.335	218
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	507000	2535.0	50	28	19.00	18.61	0.803	0.878	0.367	0.401	219
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	512000	2560.0	50	28	23.70	23.41	0.789	0.843	0.408	0.436	220
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	512000	2535.0	1	53	18.90	18.54	0.433	0.470	0.216	0.235	221
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	512000	2560.0	50	28	18.90	18.63	0.659	0.701	0.297	0.316	222
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	502000	2510.0	1	53	18.40	18.09	0.329	0.353	0.156	0.168	223
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	502000	2510.0	50	28	19.50	19.07	0.433	0.478	0.192	0.212	224
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	512000	2560.0	50	28	19.50	19.07	0.672	0.742	0.226	0.250	225

10.24. 5G NR Band n7 (40MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	507000	2535.0	1	107	23.70	23.07	0.636	0.735	0.300	0.347	226
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	507000	2535.0	108	54	20.50	19.93	0.629	0.717	0.261	0.298	227
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	507000	2535.0	108	54	20.50	19.93	0.686	0.782	0.289	0.330	228
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	507000	2535.0	108	54	18.20	17.82	0.681	0.743	0.287	0.313	229
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	507000	2535.0	108	54	19.00	18.62	0.607	0.663	0.272	0.297	230
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	507000	2535.0	108	54	23.20	22.87	0.619	0.668	0.319	0.344	231
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	507000	2535.0	1	107	18.90	18.67	0.446	0.470	0.224	0.236	232
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	507000	2535.0	108	54	18.90	18.67	0.563	0.594	0.257	0.271	233
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	507000	2535.0	1	107	18.40	18.11	0.484	0.517	0.225	0.241	234
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	507000	2535.0	108	54	19.50	19.05	0.440	0.488	0.197	0.219	235
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	507000	2535.0	108	54	19.50	19.05	0.623	0.691	0.276	0.306	236

10.25. 5G NR Band n12 (15MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	141500	707.5	1	40	25.70	25.13	0.131	0.149	0.101	0.115	237
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	141500	707.5	1	40	25.70	25.13	0.417	0.475	0.223	0.254	238
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	141500	707.5	1	40	25.70	25.13	0.457	0.521	0.253	0.288	239
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Tilt	141500	707.5	1	40	24.70	24.25	0.515	0.571	0.272	0.302	240
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	141500	707.5	1	40	24.70	24.25	0.377	0.418	0.210	0.233	241

10.26. 5G NR Band n25 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	376500	1882.5	1	53	24.20	23.78	0.231	0.254	0.143	0.158	242
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	50	28	17.30	16.88	0.549	0.605	0.274	0.302	243
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	381000	1905.0	50	28	17.30	16.76	0.782	0.886	0.365	0.413	244
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	376500	1882.5	100	0	19.50	19.19	0.734	0.788	0.405	0.435	245
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	50	28	19.20	18.92	0.558	0.595	0.271	0.289	246
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	372000	1860.0	50	28	19.20	18.92	0.764	0.815	0.361	0.385	247
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	381000	1905.0	1	53	24.40	23.81	0.604	0.692	0.369	0.423	248
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	100	0	20.50	20.40	0.760	0.778	0.387	0.396	249
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	381000	1905.0	50	28	20.50	20.40	0.888	0.909	0.447	0.457	250
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	372000	1860.0	50	28	19.60	19.30	0.837	0.897	0.416	0.446	251
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	1	53	22.00	21.30	0.458	0.538	0.249	0.293	252
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	376500	1882.5	50	28	22.00	21.30	0.781	0.918	0.391	0.459	253

10.27. 5G NR Band n25 (40MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	376500	1882.5	1	107	23.70	23.28	0.189	0.208	0.112	0.123	254
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	108	54	17.30	16.88	0.476	0.524	0.233	0.257	255
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	376500	1882.5	108	54	17.30	16.88	0.827	0.911	0.366	0.403	256
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	376500	1882.5	216	0	19.50	19.19	0.526	0.565	0.288	0.309	257
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	108	54	19.20	18.93	0.547	0.582	0.250	0.266	258
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	376500	1882.5	108	54	19.20	18.93	0.660	0.702	0.290	0.309	259
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	376500	1882.5	1	107	23.20	22.66	0.337	0.382	0.203	0.230	260
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	216	0	20.50	20.31	0.705	0.737	0.359	0.375	261
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	376500	1882.5	108	54	20.50	20.31	0.730	0.763	0.359	0.375	262
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	376500	1882.5	108	54	19.60	19.19	0.771	0.847	0.370	0.407	263
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	1	107	21.70	21.28	0.449	0.495	0.239	0.263	264
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	376500	1882.5	108	54	21.70	21.28	0.758	0.835	0.356	0.392	265

10.28. 5G NR Band n30 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	462000	2310.0	1	25	25.70	25.11	0.415	0.475	0.223	0.255	266
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	462000	2310.0	1	25	21.10	20.78	0.587	0.632	0.257	0.277	267
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	462000	2310.0	25	12	21.10	20.76	0.811	0.877	0.363	0.393	268
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	462000	2310.0	25	12	19.60	19.40	0.790	0.827	0.380	0.398	269
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	462000	2310.0	50	0	20.50	20.09	0.587	0.645	0.258	0.284	270
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	462000	2310.0	50	0	20.50	20.09	0.675	0.742	0.324	0.356	271
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	462000	2310.0	25	12	22.30	22.20	0.469	0.480	0.260	0.266	272
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	462000	2310.0	25	12	19.70	19.60	0.910	0.931	0.452	0.463	273
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	462000	2310.0	25	12	18.80	18.60	0.847	0.887	0.398	0.417	274
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	462000	2310.0	50	0	20.60	20.23	0.689	0.750	0.320	0.348	275

10.29. 5G NR Band n41 (100MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	518600	2593.0	1	137	25.70	25.42	0.402	0.429	0.209	0.223	276
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	135	69	19.70	19.31	0.424	0.464	0.185	0.202	277
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	518600	2593.0	135	69	19.70	19.31	0.582	0.637	0.246	0.269	278
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	518600	2593.0	135	69	16.70	16.47	0.667	0.703	0.247	0.260	279
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	135	69	18.80	18.49	0.669	0.718	0.284	0.305	280
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	518600	2593.0	1	137	23.30	23.01	0.773	0.826	0.395	0.422	281
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	135	69	18.80	18.40	0.690	0.757	0.347	0.380	282
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	518600	2593.0	135	69	17.80	17.48	0.331	0.356	0.137	0.147	283
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	135	69	19.50	19.20	0.524	0.561	0.235	0.252	284
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	518600	2593.0	1	137	19.50	19.20	0.534	0.572	0.235	0.252	285

10.30. 5G NR Band n66 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	349000	1745.0	1	53	25.00	24.53	0.291	0.324	0.180	0.201	286
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	354000	1770.0	1	53	20.50	20.05	0.789	0.875	0.378	0.419	287
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	344000	1720.0	50	28	17.60	17.28	0.839	0.903	0.403	0.434	288
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	349000	1745.0	1	53	18.30	17.95	0.662	0.718	0.328	0.356	289
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	349000	1745.0	100	0	18.30	17.95	0.842	0.913	0.362	0.392	290
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	349000	1745.0	1	53	25.20	24.55	0.352	0.409	0.225	0.261	291
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	349000	1745.0	50	28	21.50	21.21	0.544	0.582	0.294	0.314	292
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	354000	1770.0	50	28	21.50	21.21	0.745	0.796	0.386	0.413	293
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	354000	1770.0	50	28	20.30	19.97	0.757	0.817	0.385	0.415	294
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	349000	1745.0	50	28	21.50	21.25	0.401	0.425	0.224	0.237	295
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	354000	1770.0	50	28	21.50	21.25	0.790	0.837	0.398	0.422	296

10.31. 5G NR Band n66 (40MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	349000	1745.0	1	107	23.70	23.18	0.182	0.205	0.110	0.124	297
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	349000	1745.0	1	107	20.50	19.93	0.825	0.941	0.384	0.438	298
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	349000	1745.0	108	54	17.60	17.37	0.670	0.706	0.339	0.357	299
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	349000	1745.0	1	107	18.30	18.08	0.658	0.692	0.307	0.323	300
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	349000	1745.0	216	0	18.30	18.08	0.629	0.662	0.266	0.280	301
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	349000	1745.0	1	107	23.20	22.55	0.158	0.184	0.102	0.118	302
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	349000	1745.0	108	54	21.50	21.21	0.569	0.608	0.317	0.339	303
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	349000	1745.0	108	54	21.50	21.21	0.647	0.692	0.337	0.360	304
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	349000	1745.0	108	54	20.30	19.92	0.706	0.771	0.357	0.390	305
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	349000	1745.0	108	54	21.50	21.17	0.338	0.365	0.184	0.199	306
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	349000	1745.0	108	54	21.50	21.17	0.517	0.558	0.257	0.277	307

10.32. 5G NR Band n71 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	136100	680.5	1	53	25.70	25.22	0.124	0.138	0.093	0.104	308
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	136100	680.5	1	53	25.70	25.22	0.345	0.385	0.188	0.210	309
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	136100	680.5	1	53	24.70	24.24	0.342	0.380	0.187	0.208	310
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	136100	680.5	1	53	24.70	24.24	0.324	0.360	0.167	0.186	311

10.33. 5G NR Band n77 (Block A)(100MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT7	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	633332	3500.0	1	137	25.70	25.20	0.361	0.405	0.149	0.167	
								135	69	25.70	24.92	0.277	0.331	0.111	0.133	
					Left Tilt	633332	3500.0	1	137	25.70	25.20	0.139	0.156	0.049	0.055	
								135	69	25.70	24.92	0.095	0.114	0.036	0.042	
					Right Touch	633332	3500.0	1	137	25.70	25.20	0.621	0.697	0.254	0.285	312
								135	69	25.70	24.92	0.342	0.409	0.136	0.163	
					Right Tilt	633332	3500.0	1	137	25.70	25.20	0.072	0.081	0.033	0.036	
								135	69	25.70	24.92	0.082	0.098	0.037	0.044	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	633332	3500.0	1	137	19.30	18.79	0.604	0.679	0.237	0.267	313
								135	69	19.30	18.68	0.582	0.671	0.225	0.260	
					Front	633332	3500.0	1	137	19.30	18.79	0.456	0.513	0.177	0.199	
								135	69	19.30	18.68	0.464	0.535	0.179	0.206	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	633332	3500.0	1	137	19.30	18.79	0.741	0.833	0.276	0.310	
								135	69	19.30	18.68	0.703	0.811	0.262	0.302	
								270	0	19.30	18.90	0.871	0.955	0.318	0.349	314
					Edge 3	633332	3500.0	1	137	19.30	18.79	0.139	0.156	0.058	0.065	
								135	69	19.30	18.68	0.139	0.160	0.057	0.066	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT8	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	633332	3500.0	1	137	19.50	19.15	0.323	0.350	0.132	0.143	
								135	69	19.50	19.01	0.371	0.415	0.160	0.179	
					Left Tilt	633332	3500.0	1	137	19.50	19.15	0.436	0.473	0.174	0.189	
								135	69	19.50	19.01	0.425	0.476	0.170	0.190	
					Right Touch	633332	3500.0	1	137	19.50	19.15	0.798	0.865	0.297	0.322	
								135	69	19.50	19.01	0.762	0.853	0.299	0.335	
								270	0	19.50	19.03	0.747	0.832	0.288	0.321	
					Right Tilt	633332	3500.0	1	137	19.50	19.15	0.840	0.910	0.310	0.336	315
								135	69	19.50	19.01	0.805	0.901	0.293	0.328	
								270	0	19.50	19.03	0.763	0.850	0.280	0.312	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	633332	3500.0	1	137	20.50	20.00	0.670	0.752	0.254	0.285	
								135	69	20.50	19.95	0.711	0.807	0.273	0.310	316
					Front	633332	3500.0	1	137	20.50	20.00	0.443	0.497	0.183	0.205	
								135	69	20.50	19.95	0.198	0.225	0.089	0.101	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	633332	3500.0	1	137	20.50	20.00	0.440	0.494	0.157	0.176	
								135	69	20.50	19.95	0.437	0.496	0.146	0.166	
					Edge 4	633332	3500.0	1	137	20.50	20.00	0.484	0.543	0.193	0.217	
								135	69	20.50	19.95	0.496	0.563	0.198	0.225	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT9	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	633332	3500.0	1	137	25.70	25.05	0.752	0.873	0.284	0.330	
								135	69	25.70	24.76	0.733	0.910	0.255	0.317	
								270	0	25.70	24.40	0.696	0.939	0.248	0.335	317
					Left Tilt	633332	3500.0	1	137	25.70	25.05	0.048	0.056	0.019	0.022	
								135	69	25.70	24.76	0.031	0.039	0.122	0.151	
					Right Touch	633332	3500.0	1	137	25.70	25.05	0.340	0.395	0.123	0.143	
								135	69	25.70	24.76	0.282	0.350	0.102	0.127	
					Right Tilt	633332	3500.0	1	137	25.70	25.05	0.099	0.114	0.037	0.043	
								135	69	25.70	24.76	0.077	0.095	0.030	0.037	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	633332	3500.0	1	137	20.00	19.70	0.628	0.673	0.282	0.302	318
								135	69	20.00	19.70	0.594	0.636	0.237	0.254	
					Front	633332	3500.0	1	137	20.00	19.70	0.414	0.444	0.139	0.149	
								135	69	20.00	19.70	0.477	0.511	0.169	0.181	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	633332	3500.0	1	137	20.00	19.70	0.160	0.171	0.067	0.072	
								135	69	20.00	19.70	0.165	0.177	0.069	0.074	
					Edge 4	633332	3500.0	1	137	20.00	19.70	0.853	0.914	0.292	0.313	319
								135	69	20.00	19.70	0.849	0.910	0.290	0.311	
								270	0	20.00	19.65	0.763	0.827	0.265	0.287	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	633332	3500.0	1	137	20.00	19.47	0.732	0.827	0.278	0.314	
								135	69	20.00	19.46	0.763	0.864	0.285	0.323	
								270	0	20.00	19.42	0.830	0.949	0.306	0.350	320
					Left Tilt	633332	3500.0	1	137	20.00	19.47	0.471	0.532	0.193	0.218	
								135	69	20.00	19.46	0.531	0.601	0.215	0.243	
					Right Touch	633332	3500.0	1	137	20.00	19.47	0.253	0.286	0.111	0.125	
								135	69	20.00	19.46	0.274	0.310	0.121	0.137	
					Right Tilt	633332	3500.0	1	137	20.00	19.47	0.232	0.262	0.101	0.114	
								135	69	20.00	19.46	0.244	0.276	0.106	0.120	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	633332	3500.0	1	137	19.50	18.97	0.574	0.649	0.214	0.242	
								135	69	19.50	18.92	0.587	0.671	0.218	0.249	321
					Front	633332	3500.0	1	137	19.50	18.97	0.332	0.375	0.135	0.153	
								135	69	19.50	18.92	0.358	0.409	0.148	0.169	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	633332	3500.0	1	137	19.50	18.97	0.125	0.141	0.048	0.054	
								135	69	19.50	18.92	0.120	0.137	0.050	0.057	
					Edge 2	633332	3500.0	1	137	19.50	18.97	0.808	0.913	0.300	0.339	
								135	69	19.50	18.92	0.800	0.914	0.297	0.339	
								270	0	19.50	18.95	0.811	0.920	0.298	0.338	322

10.34. 5G NR Band n77 (Block A) Power Class 2 (100MHz Bandwidth)

According to Section 9.4, SAR evaluation for PC2 is only required when its Maximum output power (Tune-up Limit) is higher from PC3.

From May 2017 TCB Workshop, SAR tested were performed using Power Class 3. SAR test for Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination.

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

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

Reported SAR vs. Output Power linearly scaled

Antenna	RF Exposure Conditions	Power Class 2			Power Class 3				PC2 linearly scaled Reported SAR (W/kg)	Linearly scaled (<10%)
		Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Reported 1-g SAR (W/kg)		
ANT7	Head	50.0%	27.70	294.42	100.0%	25.70	371.54	0.697	0.552	-20.76%
ANT9	Head	50.0%	27.20	262.40	100.0%	25.70	371.54	0.939	0.663	-29.37%

Conclusion:

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

10.35. 5G NR Band n77 (Block C)(100MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT7	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	656000	3840.0	1	137	25.70	25.10	0.288	0.331	0.112	0.129	
								135	69	25.70	25.14	0.216	0.246	0.084	0.096	
					Left Tilt	656000	3840.0	1	137	25.70	25.10	0.156	0.179	0.059	0.068	
								135	69	25.70	25.14	0.118	0.134	0.043	0.049	
					Right Touch	656000	3840.0	1	137	25.70	25.10	0.459	0.527	0.172	0.197	323
								135	69	25.70	25.14	0.339	0.386	0.124	0.141	
					Right Tilt	656000	3840.0	1	137	25.70	25.10	0.105	0.121	0.031	0.035	
								135	69	25.70	25.14	0.089	0.101	0.026	0.029	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	656000	3840.0	1	137	19.30	18.70	0.528	0.606	0.199	0.228	
								135	69	19.30	18.45	0.526	0.640	0.196	0.238	324
					Front	656000	3840.0	1	137	19.30	18.70	0.205	0.235	0.080	0.092	
								135	69	19.30	18.45	0.202	0.246	0.076	0.092	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	656000	3840.0	1	137	19.30	18.70	0.596	0.684	0.224	0.257	325
								135	69	19.30	18.45	0.548	0.666	0.213	0.259	
					Edge 3	656000	3840.0	1	137	19.30	18.70	0.179	0.206	0.061	0.070	
								135	69	19.30	18.45	0.165	0.201	0.055	0.067	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT8	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	656000	3840.0	1	137	19.50	19.20	0.497	0.533	0.210	0.225	
								135	69	19.50	18.99	0.378	0.425	0.156	0.175	
					Left Tilt	656000	3840.0	1	137	19.50	19.20	0.398	0.426	0.173	0.185	
								135	69	19.50	18.99	0.369	0.415	0.149	0.168	
					Right Touch	656000	3840.0	1	137	19.50	19.20	0.876	0.939	0.331	0.355	
								135	69	19.50	18.99	0.825	0.928	0.317	0.356	
								270	0	19.50	19.04	0.683	0.759	0.277	0.308	
					Right Tilt	656000	3840.0	1	137	19.50	19.20	0.893	0.957	0.303	0.325	326
								135	69	19.50	18.99	0.786	0.884	0.311	0.350	
								270	0	19.50	19.04	0.829	0.922	0.302	0.336	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	656000	3840.0	1	137	20.50	20.15	0.794	0.861	0.260	0.282	327
								135	69	20.50	20.15	0.587	0.636	0.194	0.210	
					Front	656000	3840.0	1	137	20.50	20.15	0.287	0.311	0.111	0.120	
								135	69	20.50	20.15	0.333	0.361	0.129	0.140	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	656000	3840.0	1	137	20.50	20.15	0.502	0.544	0.157	0.170	
								135	69	20.50	20.15	0.437	0.474	0.140	0.152	
					Edge 4	656000	3840.0	1	137	20.50	20.15	0.435	0.472	0.159	0.172	
								135	69	20.50	20.15	0.351	0.380	0.134	0.145	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT9	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	656000	3840.0	1	137	25.70	25.05	0.396	0.460	0.168	0.195	328
								135	69	24.70	24.90	0.333	0.318	0.151	0.144	
					Left Tilt	656000	3840.0	1	137	25.70	25.05	0.027	0.032	0.011	0.013	
								135	69	24.70	24.90	0.017	0.016	0.006	0.005	
					Right Touch	656000	3840.0	1	137	25.70	25.05	0.153	0.178	0.065	0.075	
								135	69	24.70	24.90	0.152	0.145	0.062	0.059	
					Right Tilt	656000	3840.0	1	137	25.70	25.05	0.064	0.074	0.026	0.030	
								135	69	24.70	24.90	0.056	0.053	0.210	0.201	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	656000	3840.0	1	137	20.00	19.33	0.692	0.807	0.266	0.310	
								135	69	20.00	19.50	0.851	0.955	0.319	0.358	329
								270	0	20.00	19.20	0.760	0.914	0.284	0.341	
					Front	656000	3840.0	1	137	20.00	19.33	0.319	0.372	0.130	0.152	
								135	69	20.00	19.50	0.326	0.366	0.129	0.145	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	656000	3840.0	1	137	20.00	19.33	0.145	0.169	0.058	0.068	
								135	69	20.00	19.50	0.144	0.162	0.058	0.065	
					Edge 4	656000	3840.0	1	137	20.00	19.33	0.285	0.333	0.106	0.124	
								135	69	20.00	19.50	0.270	0.303	0.102	0.114	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	656000	3840.0	1	137	20.00	19.44	0.745	0.848	0.220	0.250	330
								135	69	20.00	19.41	0.724	0.829	0.216	0.247	
								270	0	20.00	19.41	0.736	0.843	0.218	0.250	
					Left Tilt	656000	3840.0	1	137	20.00	19.44	0.183	0.208	0.071	0.081	
								135	69	20.00	19.41	0.204	0.234	0.080	0.091	
					Right Touch	656000	3840.0	1	137	20.00	19.44	0.120	0.137	0.038	0.043	
								135	69	20.00	19.41	0.182	0.208	0.056	0.064	
					Right Tilt	656000	3840.0	1	137	20.00	19.44	0.105	0.119	0.040	0.046	
								135	69	20.00	19.41	0.079	0.090	0.030	0.034	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	656000	3840.0	1	137	19.50	18.92	0.552	0.631	0.209	0.239	331
								135	69	19.50	18.90	0.504	0.579	0.192	0.220	
					Front	656000	3840.0	1	137	19.50	18.92	0.261	0.298	0.084	0.096	
								135	69	19.50	18.90	0.295	0.339	0.096	0.110	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	656000	3840.0	1	137	19.50	18.92	0.057	0.065	0.022	0.025	
								135	69	19.50	18.90	0.056	0.064	0.021	0.024	
					Edge 2	656000	3840.0	1	137	19.50	18.92	0.583	0.666	0.205	0.234	332
								135	69	19.50	18.90	0.557	0.640	0.196	0.225	

10.36. 5G NR Band n77 (Block C) Power Class 2 (100MHz Bandwidth)

According to Section 9.4, SAR evaluation for PC2 is only required when its Maximum output power (Tune-up Limit) is higher from PC3.

From May 2017 TCB Workshop, SAR tested were performed using Power Class 3. SAR test for Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination.

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

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

Reported SAR vs. Output Power linearly scaled

Antenna	RF Exposure Conditions	Power Class 2			Power Class 3				PC2 linearly scaled Reported SAR (W/kg)	Linearly scaled (<10%)
		Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Reported 1-g SAR (W/kg)		
ANT7	Head	50.0%	27.70	294.42	100.0%	25.70	371.54	0.527	0.418	-20.76%
ANT9	Head	50.0%	27.20	262.40	100.0%	25.70	371.54	0.460	0.325	-29.37%

Conclusion:

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

10.37. Wi-Fi (DTS Band)

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

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

Antenna	WWAN Power	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
											Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Cell OFF	Head	802.11b	Mode A	0	Left Touch	6	2437	0.484	99.9%	21.50	20.22	0.340	0.457	0.182	0.245	155
						Left Tilt	6	2437	0.148	99.9%	21.50	20.22					
						Right Touch	6	2437	0.242	99.9%	21.50	20.22	0.153	0.206	0.082	0.111	
						Right Tilt	6	2437	0.187	99.9%	21.50	20.22					
		Body & Hotspot	802.11b	Mobe B	5	Rear	1	2412	0.833	99.9%	19.75	18.05	0.501	0.742	0.243	0.360	
							6	2437	1.010	99.9%	19.75	18.66	0.634	0.816	0.315	0.405	156
							11	2462	0.774	99.9%	19.75	17.89	0.504	0.774	0.242	0.372	
						Front	6	2437	0.889	99.9%	19.75	18.66	0.519	0.668	0.262	0.337	
		Hotspot	802.11b	Mode B	5	Edge 3	6	2437	0.347	99.9%	19.75	18.66					
						Edge 4	1	2412	0.856	99.9%	19.75	18.05	0.600	0.889	0.266	0.394	
							6	2437	1.100	99.9%	19.75	18.66	0.813	1.046	0.361	0.465	
							11	2462	0.949	99.9%	19.75	17.89	0.683	1.050	0.301	0.463	157
Antenna	WWAN Power	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
											Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Cell OFF	Head	802.11b	Mode A	0	Left Touch	1	2412	1.340	99.9%	19.75	17.87	0.771	1.190	0.372	0.574	158
							6	2437	1.230	99.9%	19.75	18.33	0.733	1.018	0.352	0.489	
							11	2462	1.250	99.9%	19.75	17.85	0.765	1.186	0.358	0.555	
						Left Tilt	6	2437	0.894	99.9%	19.75	18.33	0.553	0.768	0.250	0.347	
						Right Touch	6	2437	0.249	99.9%	19.75	18.33					
						Right Tilt	6	2437	0.192	99.9%	19.75	18.33					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	0.449	99.9%	21.00	19.87	0.276	0.358	0.137	0.178	159
						Front	6	2437	0.444	99.9%	21.00	19.87					
		Hotspot	802.11b	Mode B	5	Edge 1	6	2437	0.174	99.9%	21.00	19.87					
						Edge 2	1	2412	0.910	99.9%	21.00	19.40	0.546	0.790	0.215	0.311	
							6	2437	0.904	99.9%	21.00	19.87	0.602	0.782	0.262	0.340	
							11	2462	1.010	99.9%	21.00	19.42	0.608	0.876	0.264	0.380	160
Antenna	WWAN Power	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
											Tune-up	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Cell ON	Head	802.11b	Mode A	0	Left Touch	6	2437	0.390	99.9%	19.75	18.66	0.264	0.340	0.138	0.178	161
						Left Tilt	6	2437	0.089	99.9%	19.75	18.66					
						Right Touch	6	2437	0.166	99.9%	19.75	18.66					
						Right Tilt	6	2437	0.126	99.9%	19.75	18.66					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	0.535	99.9%	16.75	15.62	0.362	0.470	0.174	0.226	162
						Front	6	2437	0.373	99.9%	16.75	15.62					
		Hotspot	802.11b	Mode B	5	Edge 3	6	2437	0.127	99.9%	16.75	15.62					
						Edge 4	6	2437	0.629	99.9%	16.75	15.62	0.383	0.497	0.167	0.217	163
Antenna	WWAN Power	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
											Tune-up	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Cell ON	Head	802.11b	Mode A	0	Left Touch	6	2437	0.440	99.9%	15.00	13.58	0.267	0.371	0.127	0.176	164
						Left Tilt	6	2437	0.174	99.9%	15.00	13.58					
						Right Touch	6	2437	0.061	99.9%	15.00	13.58					
						Right Tilt	6	2437	0.058	99.9%	15.00	13.58					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	0.515	99.9%	17.75	16.37	0.332	0.457	0.141	0.194	165
						Front	6	2437	0.194	99.9%	17.75	16.37					
		Hotspot	802.11b	Mode B	5	Edge 1	6	2437	0.075	99.9%	17.75	16.37					
						Edge 2	6	2437	0.388	99.9%	17.75	16.37	0.309	0.425	0.186	0.256	

10.38. Wi-Fi (U-NII Band)

Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell OFF	U-NII-2A	Head	802.11n (HT40)	Mode A	0	Left Touch	54	5270	0.053	96.9%	20.50	19.22	0.019	0.026	0.006	0.009	166
							Left Tilt	54	5270	0.007	96.9%	20.50	19.22					
							Right Touch	54	5270	0.012	96.9%	20.50	19.22					
							Right Tilt	54	5270	0.007	96.9%	20.50	19.22					
		U-NII-1	Body & Hotspot	802.11n (HT40)	Mode B	5	Rear	38	5190	1.630	96.9%	17.50	16.01	0.731	1.063	0.214	0.311	
								46	5230	2.140	96.9%	17.50	16.14	0.806	1.138	0.236	0.333	167
							Front	46	5230	0.170	96.9%	17.50	16.14					
			Hotspot	802.11n (HT40)	Mode B	5	Edge 3	46	5230	0.487	96.9%	17.50	16.14	0.233	0.329	0.087	0.123	
							Edge 4	46	5230	0.431	96.9%	17.50	16.14					
Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell OFF	U-NII-2C	Head	802.11ac (VHT80)	Mode A	0	Left Touch	122	5610	0.109	95.0%	20.50	18.92	0.045	0.069	0.017	0.026	168
							Left Tilt	122	5610	0.022	95.0%	20.50	18.92					
							Right Touch	122	5610	0.024	95.0%	20.50	18.92					
							Right Tilt	122	5610	0.012	95.0%	20.50	18.92					
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	106	5530	1.220	95.0%	16.25	14.32	0.596	0.979	0.178	0.292	
								122	5610	1.360	95.0%	16.25	14.52	0.652	1.022	0.193	0.303	169
								138	5690	1.210	95.0%	16.25	14.36	0.596	0.970	0.168	0.273	
							Front	122	5610	0.104	95.0%	16.25	14.52					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 3	122	5610	0.723	95.0%	16.25	14.52	0.336	0.527	0.104	0.163	
							Edge 4	122	5610	0.217	95.0%	16.25	14.52					
Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell OFF	U-NII-3	Head	802.11a	Mode A	0	Left Touch	157	5785	0.007	98.8%	21.50	20.10					
							Left Tilt	157	5785	0.005	98.8%	21.50	20.10					
							Right Touch	157	5785	0.047	98.8%	21.50	20.10	0.013	0.018	0.002	0.003	170
							Right Tilt	157	5785	0.009	98.8%	21.50	20.10					
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	155	5775	1.350	95.0%	15.50	14.21	0.732	1.037	0.212	0.300	171
							Front	155	5775	0.109	95.0%	15.50	14.21					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 3	155	5775	0.393	95.0%	15.50	14.21	0.219	0.310	0.072	0.102	
							Edge 4	155	5775	0.186	95.0%	15.50	14.21					
Antenna	WWAN Power	Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell OFF	U-NII-1	Head	802.11n (HT40)	Mode A	0	Left Touch	46	5230	0.557	96.9%	19.50	18.49	0.250	0.326	0.078	0.102	
							Left Tilt	46	5230	0.483	96.9%	19.50	18.49					
							Right Touch	38	5190	0.960	96.9%	17.50	16.49	0.595	0.775	0.177	0.231	
								46	5230	2.710	96.9%	19.50	18.49	0.833	1.085	0.232	0.302	172
							Right Tilt	38	5190	0.618	96.9%	17.50	16.49	0.411	0.535	0.111	0.145	
								46	5230	1.200	96.9%	19.50	18.49	0.641	0.835	0.185	0.241	
		U-NII-2A	Body & Hotspot	802.11n (HT40)	Mode B	5	Rear	54	5270	1.550	96.9%	20.50	19.49	0.732	0.953	0.215	0.280	173
								62	5310	0.982	96.9%	17.50	16.49	0.362	0.471	0.100	0.130	
							Front	54	5270	0.521	96.9%	20.50	19.49	0.299	0.389	0.087	0.113	
			Hotspot	802.11n (HT40)	Mode B	5	Edge 1	54	5270	0.651	96.9%	20.50	19.49					
							Edge 4	54	5270	1.720	96.9%	20.50	19.49	0.732	0.953	0.219	0.285	174
								62	5310	0.607	96.9%	17.50	16.49	0.244	0.318	0.071	0.092	
Antenna	WWAN Power	Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell OFF	U-NII-2C	Head	802.11ac (VHT80)	Mode A	0	Left Touch	122	5610	0.446	95.0%	18.00	16.53					
							Left Tilt	122	5610	0.419	95.0%	18.00	16.53					
							Right Touch	106	5530	1.510	95.0%	17.50	16.04	0.560	0.825	0.204	0.301	
								122	5610	1.710	95.0%	18.00	16.53	0.671	0.991	0.234	0.346	
								138	5690	1.880	95.0%	18.00	16.51	0.694	1.030	0.245	0.364	175
							Right Tilt	122	5610	1.000	95.0%	18.00	16.53	0.383	0.566	0.131	0.193	
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	122	5610	1.032	95.0%	18.00	16.53	0.538	0.795	0.149	0.220	176
							Front	122	5610	0.947	95.0%	18.00	16.53					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 1	122	5610	0.591	95.0%	18.00	16.53					
							Edge 4	106	5530	1.150	95.0%	17.50	16.04	0.513	0.756	0.156	0.230	
								122	5610	1.690	95.0%	18.00	16.53	0.699	1.032	0.217	0.320	
								138	5690	1.253	95.0%	18.00	16.51	0.696	1.033	0.201	0.298	177
Antenna	WWAN Power	Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell OFF	U-NII-3	Head	802.11ac (VHT80)	Mode A	0	Left Touch	155	5775	0.614	95.0%	18.75	17.38					
							Left Tilt	155	5775	0.914	95.0%	18.75	17.38	0.357	0.515	0.126	0.182	
							Right Touch	155	5775	1.930	95.0%	18.75	17.38	0.781	1.127	0.285	0.411	178
							Right Tilt	155	5775	1.410	95.0%	18.75	17.38	0.565	0.815	0.188	0.271	
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	155	5775	1.240	95.0%	18.00	16.40	0.504	0.767	0.128	0.195	179
							Front	155	5775	0.590	95.0%	18.00	16.40					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 1	155	5775	0.401	95.0%	18.00	16.40					
							Edge 4	155	5775	1.670	95.0%	18.00	16.40	0.731	1.112	0.214	0.326	180

Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell ON	U-NII-1	Head	802.11n (HT40)	Mode A	0	Left Touch	46	5230	0.006	96.9%	17.25	15.80					
							Left Tilt	46	5230	0.025	96.9%	17.25	15.80					
							Right Touch	46	5230	0.005	96.9%	17.25	15.80					
							Right Tilt	46	5230	0.030	96.9%	17.25	15.80	0.001	0.001	0.001	0.001	181
		U-NII-1	Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	42	5210	0.507	95.0%	13.50	11.63	0.242	0.392	0.068	0.109	182
							Front	42	5210	0.052	95.0%	13.50	11.63					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 3	42	5210	0.123	95.0%	13.50	11.63					
							Edge 4	42	5210	0.079	95.0%	13.50	11.63					
Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell ON	U-NII-2C	Head	802.11ac (VHT80)	Mode A	0	Left Touch	122	5610	0.054	95.0%	17.50	16.21	0.002	0.003	0.000	0.001	183
							Left Tilt	122	5610	0.022	95.0%	17.50	16.21					
							Right Touch	122	5610	0.024	95.0%	17.50	16.21					
							Right Tilt	122	5610	0.012	95.0%	17.50	16.21					
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	122	5610	0.536	95.0%	12.25	10.57	0.234	0.363	0.066	0.102	184
							Front	122	5610	0.070	95.0%	12.25	10.57					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 3	122	5610	0.135	95.0%	12.25	10.57					
							Edge 4	122	5610	0.096	95.0%	12.25	10.57					
Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell ON	U-NII-3	Head	802.11ac (VHT80)	Mode A	0	Left Touch	155	5775	0.007	95.0%	16.25	14.36					
							Left Tilt	155	5775	0.005	95.0%	16.25	14.36					
							Right Touch	155	5775	0.047	95.0%	16.25	14.36	0.013	0.021	0.002	0.003	185
							Right Tilt	155	5775	0.009	95.0%	16.25	14.36					
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	155	5775	0.566	95.0%	11.50	10.10	0.249	0.362	0.070	0.102	186
							Front	155	5775	0.047	95.0%	11.50	10.10					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 3	155	5775	0.132	95.0%	11.50	10.10					
							Edge 4	155	5775	0.070	95.0%	11.50	10.10					
Antenna	WWAN Power	Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell ON	U-NII-2A	Head	802.11ac (VHT80)	Mode A	0	Left Touch	58	5290	0.160	95.0%	13.75	12.62					
							Left Tilt	58	5290	0.169	95.0%	13.75	12.62					
							Right Touch	58	5290	0.470	95.0%	13.75	12.62	0.216	0.295	0.061	0.083	187
							Right Tilt	58	5290	0.461	95.0%	13.75	12.62					
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	58	5290	0.345	95.0%	16.25	15.18					
							Front	58	5290	0.244	95.0%	16.25	15.18					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 1	58	5290	0.224	95.0%	16.25	15.18					
							Edge 4	58	5290	0.675	95.0%	16.25	15.18	0.261	0.352	0.072	0.097	188
Antenna	WWAN Power	Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell ON	U-NII-2C	Head	802.11ac (VHT80)	Mode A	0	Left Touch	122	5610	0.202	95.0%	12.50	11.33					
							Left Tilt	122	5610	0.189	95.0%	12.50	11.33					
							Right Touch	122	5610	0.490	95.0%	12.50	11.33	0.174	0.240	0.052	0.071	189
							Right Tilt	122	5610	0.304	95.0%	12.50	11.33					
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	122	5610	0.405	95.0%	14.25	12.81					
							Front	122	5610	0.188	95.0%	14.25	12.81					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 1	122	5610	0.172	95.0%	14.25	12.81					
							Edge 4	122	5610	0.464	95.0%	14.25	12.81	0.241	0.353	0.072	0.106	190
Antenna	WWAN Power	Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell ON	U-NII-3	Head	802.11ac (VHT80)	Mode A	0	Left Touch	155	5775	0.112	95.0%	12.75	11.56					
							Left Tilt	155	5775	0.184	95.0%	12.75	11.56					
							Right Touch	155	5775	0.607	95.0%	12.75	11.56	0.214	0.296	0.071	0.098	191
							Right Tilt	155	5775	0.305	95.0%	12.75	11.56					
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	155	5775	0.873	95.0%	14.25	12.86	0.217	0.315	0.051	0.074	192
							Front	155	5775	0.158	95.0%	14.25	12.86					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 1	155	5775	0.191	95.0%	14.25	12.86					
							Edge 4	155	5775	0.653	95.0%	14.25	12.86					

10.39. Bluetooth

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3 P_{low}	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	13.00	11.88	0.052	0.067	0.028	0.036	193
					Left Tilt	39	2441	100.0%	13.00	11.88	0.015	0.020	0.008	0.010	
					Right Touch	39	2441	100.0%	13.00	11.88	0.018	0.023	0.009	0.012	
					Right Tilt	39	2441	100.0%	13.00	11.88	0.009	0.012	0.003	0.004	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	9.00	7.96	0.061	0.078	0.029	0.037	194
					Front	39	2441	100.0%	9.00	7.96	0.037	0.047	0.019	0.024	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	9.00	7.96	0.014	0.018	0.006	0.007	
					Edge 4	39	2441	100.0%	9.00	7.96	0.061	0.078	0.027	0.035	195
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3 P_{high}	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	17.50	16.41	0.155	0.199	0.081	0.104	196
					Left Tilt	39	2441	100.0%	17.50	16.41	0.037	0.048	0.020	0.026	
					Right Touch	39	2441	100.0%	17.50	16.41	0.064	0.082	0.035	0.045	
					Right Tilt	39	2441	100.0%	17.50	16.41	0.049	0.063	0.025	0.032	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	13.00	11.88	0.150	0.194	0.071	0.092	197
					Front	39	2441	100.0%	13.00	11.88	0.106	0.137	0.053	0.069	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	13.00	11.88	0.044	0.057	0.021	0.027	
					Edge 4	39	2441	100.0%	13.00	11.88	0.163	0.211	0.073	0.094	198
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3 $P_{standlone}$	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	19.50	18.16	0.307	0.418	0.162	0.221	199
					Left Tilt	39	2441	100.0%	19.50	18.16	0.157	0.214	0.079	0.108	
					Right Touch	39	2441	100.0%	19.50	18.16	0.123	0.167	0.067	0.092	
					Right Tilt	39	2441	100.0%	19.50	18.16	0.161	0.219	0.081	0.111	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	19.50	18.16	0.547	0.745	0.266	0.362	200
					Front	39	2441	100.0%	19.50	18.16	0.368	0.501	0.186	0.253	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	19.50	18.16	0.221	0.301	0.104	0.142	
					Edge 4	0	2402	100.0%	19.50	17.70	0.565	0.855	0.247	0.374	201
						39	2441	100.0%	19.50	18.08	0.606	0.840	0.271	0.376	
						78	2480	100.0%	19.50	18.15	0.625	0.853	0.279	0.381	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4 P_{low}	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	9.00	7.34	0.036	0.053	0.015	0.022	202
					Left Tilt	39	2441	100.0%	9.00	7.34	0.018	0.026	0.007	0.010	
					Right Touch	39	2441	100.0%	9.00	7.34	0.007	0.010	0.003	0.004	
					Right Tilt	39	2441	100.0%	9.00	7.34	0.005	0.007	0.001	0.002	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	10.00	8.39	0.035	0.051	0.014	0.021	203
					Front	39	2441	100.0%	10.00	8.39	0.014	0.020	0.006	0.008	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	10.00	8.39	0.007	0.010	0.002	0.002	
					Edge 2	39	2441	100.0%	10.00	8.39	0.053	0.077	0.023	0.033	204
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4 P_{high}	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	13.00	11.47	0.121	0.172	0.056	0.080	205
					Left Tilt	39	2441	100.0%	13.00	11.47	0.069	0.098	0.031	0.044	
					Right Touch	39	2441	100.0%	13.00	11.47	0.017	0.024	0.007	0.011	
					Right Tilt	39	2441	100.0%	13.00	11.47	0.017	0.024	0.008	0.012	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	14.00	12.39	0.054	0.078	0.024	0.035	
					Front	39	2441	100.0%	14.00	12.39	0.054	0.078	0.026	0.038	206
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	14.00	12.39	0.017	0.025	0.006	0.009	
					Edge 2	39	2441	100.0%	14.00	12.39	0.141	0.204	0.061	0.088	207
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4 $P_{standlone}$	Head	GFSK	Mode A	0	Left Touch	0	2402	100.0%	19.50	17.71	0.783	1.182	0.365	0.551	208
						39	2441	100.0%	19.50	18.21	0.795	1.070	0.377	0.507	
						78	2480	100.0%	19.50	18.35	0.783	1.020	0.362	0.472	
					Left Tilt	39	2441	100.0%	19.50	18.21	0.315	0.424	0.143	0.192	
					Right Touch	39	2441	100.0%	19.50	18.21	0.159	0.214	0.086	0.116	
					Right Tilt	39	2441	100.0%	19.50	18.21	0.131	0.176	0.065	0.087	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	20.00	18.90	0.530	0.683	0.238	0.307	209
					Front	39	2441	100.0%	20.00	18.90	0.222	0.286	0.111	0.143	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	20.00	18.90	0.088	0.113	0.040	0.052	
					Edge 2	39	2441	100.0%	20.00	18.90	0.518	0.667	0.232	0.299	

11. SAR Measurement Variability

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

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

Frequency Band (MHz)	Air Interface	RF Exposure Conditions	Test Position	Repeated SAR (Yes/No)	Highest Measured SAR (W/kg)	First Repeated	
						Measured SAR (W/kg)	Largest to Smallest SAR Ratio
700	LTE Band 14	Body & Hotspot	Edge 2	Yes	0.885	0.871	1.02
850	WCDMA Band V	Head	Left Touch	Yes	0.886	0.740	1.20
1700	LTE Band 66	Body & Hotspot	Edge 1	Yes	0.877	0.790	1.11
1900	WCDMA Band II	Body & Hotspot	Edge 4	Yes	0.917	0.906	1.01
2300	LTE Band 30	Body & Hotspot	Rear	Yes	0.910	0.870	1.05
2400	Wi-Fi 802.11b/g/n	Airplay	Edge 4	Yes	0.813	0.695	1.17
2500	LTE Band 7	Body & Hotspot	Rear	Yes	0.828	0.701	1.18
2600	LTE Band 41	Body & Hotspot	Rear	Yes	0.861	0.726	1.19
3600	LTE Band 48	Head	Left Touch	Yes	0.895	0.855	1.05
5200	Wi-Fi 802.11a/n/ac	Head	Right Touch	Yes	0.833	0.771	1.08

Note(s):
Second Repeated Measurement is not required since the ratio of the largest to smallest SAR for the original and first repeated measurement is < 1.20.

12. Simultaneous Transmission Conditions

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

Sum of SAR

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

SAR to Peak Location Ratio (SPLSR)

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

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

Where:

SAR_1 is the highest reported or estimated SAR for the first of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition

SAR_2 is the highest reported or estimated SAR for the second of a pair of simultaneous transmitting antennas, in the same test operating mode and exposure condition as the first

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

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

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

When an individual antenna transmits at on two bands simultaneously, the sum of the highest *reported* SAR for the frequency bands should be used to determine SAR_1.or SAR_2. When SPLSR is necessary, the smallest distance between the peak SAR locations for the antenna pair with respect to the peaks from each antenna should be used.

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

Simultaneous transmission SAR measurement

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

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

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

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

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

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

Simultaneous transmission SAR Exclusion

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

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

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

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

RF Exposure Condition	Item	Capable Transmit Configurations		
Head Body Worn Accessory Hotspot	1	WWAN & 5G OFF (CELLULAR ANTENNAS OFF)	+ (ANT5) Wi-Fi 5 GHz SISO	+ (ANT3) Bluetooth (P_{High})
	2		+ (ANT6) Wi-Fi 5 GHz SISO	+ (ANT3) Bluetooth (P_{High})
	3		+ Wi-Fi 5 GHz MIMO	+ (ANT3) Bluetooth (P_{High})
	4		+ (ANT5) Wi-Fi 5 GHz SISO	+ (ANT4) Bluetooth (P_{High})
	5		+ (ANT6) Wi-Fi 5 GHz SISO	+ (ANT4) Bluetooth (P_{High})
	6		+ Wi-Fi 5 GHz MIMO	+ (ANT4) Bluetooth (P_{High})
	7	WWAN & 5G ON (CELLULAR ANTENNAS ON)	+ (ANT3) Wi-Fi 2.4 GHz SISO	
	8		+ (ANT4) Wi-Fi 2.4 GHz SISO	
	9		+ Wi-Fi 2.4 GHz MIMO	
	10			+ (ANT3) Bluetooth (P_{High})
	11			+ (ANT4) Bluetooth (P_{High})
	12		+ (ANT5) Wi-Fi 5 GHz SISO	
	13		+ (ANT6) Wi-Fi 5 GHz SISO	
	14		+ Wi-Fi 5 GHz MIMO	
	15		+ (ANT5) Wi-Fi 5 GHz SISO	+ (ANT3) Bluetooth (P_{low})
	16		+ (ANT6) Wi-Fi 5 GHz SISO	+ (ANT3) Bluetooth (P_{low})
	17		+ Wi-Fi 5 GHz MIMO	+ (ANT3) Bluetooth (P_{low})
	18		+ (ANT5) Wi-Fi 5 GHz SISO	+ (ANT4) Bluetooth (P_{low})
	19		+ (ANT6) Wi-Fi 5 GHz SISO	+ (ANT4) Bluetooth (P_{low})
	20		+ Wi-Fi 5 GHz MIMO	+ (ANT4) Bluetooth (P_{low})

Note(s):

1. Wi-Fi 2.4GHz & Bluetooth cannot transmit simultaneously.
2. Wi-Fi 2.4GHz & Wi-Fi 5GHz cannot transmit simultaneously.
3. WWAN cannot transmit simultaneously.
4. Bluetooth P_{low} is used with Wi-Fi and WWAN antennas are active.
5. Bluetooth P_{high} is used when Wi-Fi antenna is active and WWAN antenna is inactive or with Wi-Fi inactive and WWAN antenna is active.
6. Bluetooth $P_{standalone}$ is used with Wi-Fi and WWAN antennas are inactive.
7. Wi-Fi SISO mode SAR result can also represent for MIMO mode SAR and is used for MIMO mode simultaneous transmission analysis because antennas are not overlapping and the MIMO mode maximum power is equal or less than SISO mode.
8. 5G NR only supported NSA mode.
9. For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.

12.1. Sum of the SAR for WWAN Cell-off & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)				∑ 1-g SAR (W/kg)			
		1	2	3	4	1+3	1+4	2+3	2+4
		Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.069	0.326	0.199	0.172	0.268	0.241	0.525	0.498
	Left Tilt	0.018	0.515	0.048	0.098	0.066	0.116	0.563	0.613
	Right Touch	0.018	1.127	0.082	0.024	0.100	0.042	1.210	1.151
	Right Tilt	0.018	0.835	0.063	0.024	0.081	0.042	0.898	0.859
Body-worn & Hotspot	Rear	1.138	0.953	0.194	0.078	1.332	1.216	1.147	1.032
	Front	0.527	0.389	0.137	0.078	0.664	0.605	0.527	0.468
Hotspot	Edge 1		0.389		0.025		0.025	0.389	0.414
	Edge 2				0.204		0.204		0.204
	Edge 3	0.527		0.057		0.584	0.527	0.057	
	Edge 4	0.527	1.112	0.211		0.738	0.527	1.323	1.112

12.2. Sum of the SAR for WWAN Cell-on(ANT1) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT1	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.317	0.340	0.371	0.199	0.172	0.657	0.688	0.516	0.489
	Left Tilt	0.206	0.340	0.371	0.048	0.098	0.545	0.576	0.253	0.304
	Right Touch	0.735	0.340	0.371	0.082	0.024	1.075	1.106	0.818	0.759
	Right Tilt	0.220	0.340	0.371	0.063	0.024	0.560	0.591	0.283	0.245
Body-worn & Hptspot	Rear	0.941	0.470	0.457	0.194	0.078	1.411	1.397	1.135	1.019
	Front	0.555	0.470	0.425	0.137	0.078	1.025	0.980	0.692	0.633
Hotspot	Edge 1			0.425	0.000	0.025	0.000	0.425	0.000	0.025
	Edge 2	0.957		0.425		0.204	0.957	1.382	0.957	1.161
	Edge 3	0.959	0.470		0.057		1.429	0.959	1.016	0.959
	Edge 4	0.490	0.497		0.211		0.988	0.490	0.701	0.490

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT1	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.317	0.003	0.296	0.067	0.053	0.387	0.372	0.681	0.666
	Left Tilt	0.206	0.003	0.296	0.020	0.026	0.228	0.235	0.522	0.528
	Right Touch	0.735	0.021	0.296	0.023	0.010	0.780	0.767	1.055	1.042
	Right Tilt	0.220	0.003	0.296	0.012	0.007	0.235	0.230	0.528	0.524
Body-worn & Hptspot	Rear	0.941	0.392	0.315	0.078	0.051	1.410	1.383	1.333	1.306
	Front	0.555	0.392	0.315	0.047	0.020	0.993	0.966	0.916	0.889
Hotspot	Edge 1			0.315		0.010	0.000	0.010	0.315	0.325
	Edge 2	0.957				0.077	0.957	1.034	0.957	1.034
	Edge 3	0.959	0.392		0.018		1.369	1.351	0.977	0.959
	Edge 4	0.490	0.392	0.353	0.078		0.960	0.882	0.921	0.844

12.3. Sum of the SAR for WWAN Cell-on(ANT2) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT2	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.941	0.340	0.371	0.199	0.172	1.280	1.311	1.140	1.113
	Left Tilt	0.783	0.340	0.371	0.048	0.098	1.123	1.154	0.830	0.881
	Right Touch	0.957	0.340	0.371	0.082	0.024	1.296	1.327	1.039	0.981
	Right Tilt	0.929	0.340	0.371	0.063	0.024	1.269	1.300	0.992	0.953
Body-worn & Hptspot	Rear	0.903	0.470	0.457	0.194	0.078	1.374	1.360	1.098	0.982
	Front	0.774	0.470	0.425	0.137	0.078	1.244	1.199	0.911	0.852
Hotspot	Edge 1	0.948		0.425	0.000	0.025	0.948	1.374	0.948	0.973
	Edge 2	0.200		0.425		0.204	0.200	0.625	0.200	0.404
	Edge 3		0.470		0.057		0.470	0.000	0.057	0.000
	Edge 4	0.947	0.497		0.211		1.444	0.947	1.158	0.947

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT2	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.941	0.003	0.296	0.067	0.053	1.011	0.996	1.304	1.290
	Left Tilt	0.783	0.003	0.296	0.020	0.026	0.805	0.812	1.099	1.106
	Right Touch	0.957	0.021	0.296	0.023	0.010	1.001	0.988	1.276	1.263
	Right Tilt	0.929	0.003	0.296	0.012	0.007	0.943	0.939	1.237	1.233
Body-worn & Hptspot	Rear	0.903	0.392	0.315	0.078	0.051	1.373	1.346	1.296	1.269
	Front	0.774	0.392	0.315	0.047	0.020	1.213	1.186	1.136	1.109
Hotspot	Edge 1	0.948		0.315		0.010	0.948	0.958	1.263	1.273
	Edge 2	0.200				0.077	0.200	0.277	0.553	0.630
	Edge 3		0.392		0.018		0.410	0.392	0.018	0.000
	Edge 4	0.947	0.392	0.353	0.078		1.417	1.339	1.378	1.300

12.4. Sum of the SAR for WWAN Cell-on(ANT3) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT3	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.953	0.340	0.371	0.199	0.172	1.292	1.323	1.152	1.125
	Left Tilt	0.292	0.340	0.371	0.048	0.098	0.631	0.662	0.339	0.390
	Right Touch	0.445	0.340	0.371	0.082	0.024	0.784	0.815	0.527	0.469
	Right Tilt	0.281	0.340	0.371	0.063	0.024	0.621	0.652	0.344	0.305
Body-worn & Hptspot	Rear	0.953	0.470	0.457	0.194	0.078	1.423	1.410	1.147	1.031
	Front	0.581	0.470	0.425	0.137	0.078	1.051	1.006	0.718	0.659
Hotspot	Edge 1			0.425	0.000	0.025	0.000	0.425	0.000	0.025
	Edge 2			0.425		0.204	0.000	0.425	0.000	0.204
	Edge 3	0.550	0.470		0.057		1.020	0.550	0.607	0.550
	Edge 4	0.959	0.497		0.211		**1.456**	0.959	1.170	0.959

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT3	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.953	0.003	0.296	0.067	0.053	1.023	1.008	**1.316**	1.302
	Left Tilt	0.292	0.003	0.296	0.020	0.026	0.314	0.321	0.608	0.614
	Right Touch	0.445	0.021	0.296	0.023	0.010	0.489	0.476	0.764	0.751
	Right Tilt	0.281	0.003	0.296	0.012	0.007	0.295	0.291	0.589	0.585
Body-worn & Hptspot	Rear	0.953	0.392	0.315	0.078	0.051	1.422	1.396	1.345	1.318
	Front	0.581	0.392	0.315	0.047	0.020	1.020	0.993	0.943	0.915
Hotspot	Edge 1			0.315		0.010	0.000	0.010	0.315	0.325
	Edge 2					0.077	0.000	0.077	0.000	0.077
	Edge 3	0.550	0.392		0.018		0.960	0.942	0.568	0.550
	Edge 4	0.959	0.392	0.353	0.078		**1.429**	1.351	1.390	1.313

12.5. Sum of the SAR for WWAN Cell-on(ANT4) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT4	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.949	0.340	0.371	0.199	0.172	1.289	1.320	1.148	1.121
	Left Tilt	0.702	0.340	0.371	0.048	0.098	1.041	1.072	0.749	0.800
	Right Touch	0.329	0.340	0.371	0.082	0.024	0.669	0.700	0.411	0.353
	Right Tilt	0.306	0.340	0.371	0.063	0.024	0.646	0.677	0.369	0.331
Body-worn & Hptspot	Rear	0.924	0.470	0.457	0.194	0.078	1.394	1.381	1.118	1.002
	Front	0.418	0.470	0.425	0.137	0.078	0.888	0.843	0.555	0.496
Hotspot	Edge 1	0.428		0.425	0.000	0.025	0.428	0.853	0.428	0.453
	Edge 2	0.956		0.425		0.204	0.956	1.381	0.956	1.160
	Edge 3		0.470		0.057		0.470	0.000	0.057	0.000
	Edge 4		0.497		0.211		0.497	0.000	0.211	0.000

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT4	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.949	0.003	0.296	0.067	0.053	1.019	1.005	1.313	1.298
	Left Tilt	0.702	0.003	0.296	0.020	0.026	0.724	0.731	1.018	1.024
	Right Touch	0.329	0.021	0.296	0.023	0.010	0.374	0.360	0.649	0.636
	Right Tilt	0.306	0.003	0.296	0.012	0.007	0.321	0.316	0.614	0.610
Body-worn & Hptspot	Rear	0.924	0.392	0.315	0.078	0.051	1.394	1.367	1.316	1.290
	Front	0.418	0.392	0.315	0.047	0.020	0.857	0.829	0.779	0.752
Hotspot	Edge 1	0.428		0.315		0.010	0.428	0.438	0.743	0.753
	Edge 2	0.956				0.077	0.956	1.033	0.956	1.033
	Edge 3		0.392		0.018		0.410	0.392	0.018	0.000
	Edge 4		0.392	0.353	0.078		0.470	0.392	0.431	0.353

12.6. Sum of the SAR for WWAN Cell-on(ANT7) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT7	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.405	0.340	0.371	0.199	0.172	0.745	0.776	0.604	0.577
	Left Tilt	0.179	0.340	0.371	0.048	0.098	0.519	0.550	0.227	0.277
	Right Touch	0.697	0.340	0.371	0.082	0.024	1.037	1.068	0.779	0.721
	Right Tilt	0.121	0.340	0.371	0.063	0.024	0.460	0.491	0.184	0.145
Body-worn & Hptspot	Rear	0.679	0.470	0.457	0.194	0.078	1.149	1.136	0.873	0.757
	Front	0.535	0.470	0.425	0.137	0.078	1.005	0.960	0.672	0.613
Hotspot	Edge 1			0.425	0.000	0.025	0.000	0.425	0.000	0.025
	Edge 2	0.956		0.425		0.204	0.956	1.381	0.956	1.160
	Edge 3	0.206	0.470		0.057		0.676	0.206	0.262	0.206
	Edge 4		0.497		0.211		0.497	0.000	0.211	0.000

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT7	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.405	0.003	0.296	0.067	0.053	0.475	0.460	0.769	0.754
	Left Tilt	0.179	0.003	0.296	0.020	0.026	0.202	0.208	0.495	0.502
	Right Touch	0.697	0.021	0.296	0.023	0.010	0.741	0.728	1.016	1.003
	Right Tilt	0.121	0.003	0.296	0.012	0.007	0.135	0.131	0.429	0.424
Body-worn & Hptspot	Rear	0.679	0.392	0.315	0.078	0.051	1.149	1.122	1.071	1.045
	Front	0.535	0.392	0.315	0.047	0.020	0.974	0.947	0.897	0.870
Hotspot	Edge 1			0.315		0.010	0.000	0.010	0.315	0.325
	Edge 2	0.956				0.077	0.956	1.033	0.956	1.033
	Edge 3	0.206	0.392		0.018		0.615	0.597	0.223	0.206
	Edge 4		0.392	0.353	0.078		0.470	0.392	0.431	0.353

12.7. Sum of the SAR for WWAN Cell-on(ANT8) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT8	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.533	0.340	0.371	0.199	0.172	0.872	0.903	0.732	0.705
	Left Tilt	0.476	0.340	0.371	0.048	0.098	0.816	0.847	0.523	0.574
	Right Touch	0.939	0.340	0.371	0.082	0.024	1.278	1.309	1.021	0.963
	Right Tilt	0.957	0.340	0.371	0.063	0.024	1.297	**1.328**	1.020	0.981
Body-worn & Hptspot	Rear	0.955	0.470	0.457	0.194	0.078	**1.425**	1.412	1.149	1.033
	Front	0.475	0.470	0.425	0.137	0.078	0.945	0.900	0.612	0.553
Hotspot	Edge 1	0.544		0.425	0.000	0.025	0.544	0.969	0.544	0.569
	Edge 2			0.425		0.204	0.000	0.425	0.000	0.204
	Edge 3		0.470		0.057		0.470	0.000	0.057	0.000
	Edge 4	0.538	0.497		0.211		1.035	0.538	0.749	0.538

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT8	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.533	0.003	0.296	0.067	0.053	0.603	0.588	0.896	0.882
	Left Tilt	0.476	0.003	0.296	0.020	0.026	0.498	0.505	0.792	0.798
	Right Touch	0.939	0.021	0.296	0.023	0.010	0.983	0.970	1.258	1.245
	Right Tilt	0.957	0.003	0.296	0.012	0.007	0.971	0.967	1.265	1.261
Body-worn & Hptspot	Rear	0.955	0.392	0.315	0.078	0.051	**1.424**	1.398	1.347	1.320
	Front	0.475	0.392	0.315	0.047	0.020	0.914	0.886	0.836	0.809
Hotspot	Edge 1	0.544		0.315		0.010	0.544	0.554	0.859	0.869
	Edge 2					0.077	0.000	0.077	0.000	0.077
	Edge 3		0.392		0.018		0.410	0.392	0.018	0.000
	Edge 4	0.538	0.392	0.353	0.078		1.007	0.930	0.969	0.891

12.8. Sum of the SAR for WWAN Cell-on(ANT9) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT9	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.939	0.340	0.371	0.199	0.172	1.279	1.310	1.138	1.111
	Left Tilt	0.056	0.340	0.371	0.048	0.098	0.396	0.426	0.103	0.154
	Right Touch	0.395	0.340	0.371	0.082	0.024	0.735	0.766	0.477	0.419
	Right Tilt	0.356	0.340	0.371	0.063	0.024	0.695	0.726	0.419	0.380
Body-worn & Hptspot	Rear	0.955	0.470	0.457	0.194	0.078	1.425	1.412	1.149	1.033
	Front	0.511	0.470	0.425	0.137	0.078	0.981	0.936	0.648	0.589
Hotspot	Edge 1			0.425	0.000	0.025	0.000	0.425	0.000	0.025
	Edge 2			0.425		0.204	0.000	0.425	0.000	0.204
	Edge 3	0.177	0.470		0.057		0.647	0.177	0.234	0.177
	Edge 4	0.955	0.497		0.211		1.452	0.955	1.166	0.955

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT9	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.939	0.003	0.296	0.067	0.053	1.009	0.994	1.303	1.288
	Left Tilt	0.056	0.003	0.296	0.020	0.026	0.078	0.085	0.372	0.378
	Right Touch	0.395	0.021	0.296	0.023	0.010	0.439	0.426	0.715	0.701
	Right Tilt	0.356	0.003	0.296	0.012	0.007	0.370	0.366	0.664	0.659
Body-worn & Hptspot	Rear	0.955	0.392	0.315	0.078	0.051	1.424	1.397	1.347	1.320
	Front	0.511	0.392	0.315	0.047	0.020	0.950	0.923	0.873	0.845
Hotspot	Edge 1			0.315		0.010	0.000	0.010	0.315	0.325
	Edge 2					0.077	0.000	0.077	0.000	0.077
	Edge 3	0.177	0.392		0.018		0.586	0.569	0.195	0.177
	Edge 4	0.955	0.392	0.353	0.078		1.425	1.347	1.386	1.308

Appendixes

Refer to separated files for the following appendixes.

Appendix A: SAR Setup Photos

Appendix B: SAR System Check Plots

Appendix C: SAR Highest Test Plots

Appendix D: SAR Tissue Ingredients

Appendix E: SAR Probe Certificates

Appendix F: SAR Dipole Certificates

Appendix G: LTE Down-Link Carrier Aggregation

Appendix H: Body Detect Validation

Appendix I: Wi-Fi Time-Averaged SAR(TAS)

END OF REPORT