



SAR EVALUATION REPORT

**FCC 47 CFR § 2.1093
IEEE Std 1528-2013**

For
SMARTPHONE

**FCC ID: BCG-E3542A
Model Name: A2172**

**Report Number: 13179116-S1V5
Issue Date: 9/28/2020**

Prepared for
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NVLAP LAB CODE 200065-0

Revision History

Rev.	Date	Revisions	Revised By
V1	9/1/2020	Initial Issue	--
V2	9/10/2020	1. Sec. 6.1: Updated hotspot table. 2. Sec. 6.5: Updated EN-DC anchor table. 3. Sec. 6.6: Updated SAR char table and notes. 4. Sec. 9.4, 9.5, and 9.6: Updated power table. 5. Removed 5G NR(FR1) band n7.	Devin Chang
V3	9/14/2020	1. Sec. 1: Updated SAR table. 2. Sec. 6.5: Updated support BW. 3. Sec. 6.6: Updated note 4. 4. Sec. 9.7: Updated power table. 5. Updated Appendix G. 6. Sec. 12.6, 7, 8: Updated table.	Devin Chang
V4	9/16/2020	1. Sec. 6.5: Updated support BW. 2. Sec. 9.7: Updated power table. 3. Updated Appendix I.	Devin Chang
V5	9/28/2020	Sec. 6.6: Updated 5G NR n41 Pmax and note 4	Devin Chang

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1. Attestation of Test Results

Applicant Name	APPLE, INC.				
FCC ID	BCG-E3542A				
Model Name	A2172				
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	0.994		1.120	1.168	0.784
Body-worn (Dist.= 5 mm)	0.996		1.190	1.148	0.725
Hotspot (Dist.= 5 mm)	0.997		1.190	1.148	0.785
Simultaneous TX	Head		1.378	1.261	1.261
	Body-worn		1.554	1.501	1.501
	Hotspot		1.554	1.501	1.501
Date Tested	6/29/2018 to 8/26/2020				
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. 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 NVLAP, 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)

3. Facilities and Accreditation

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

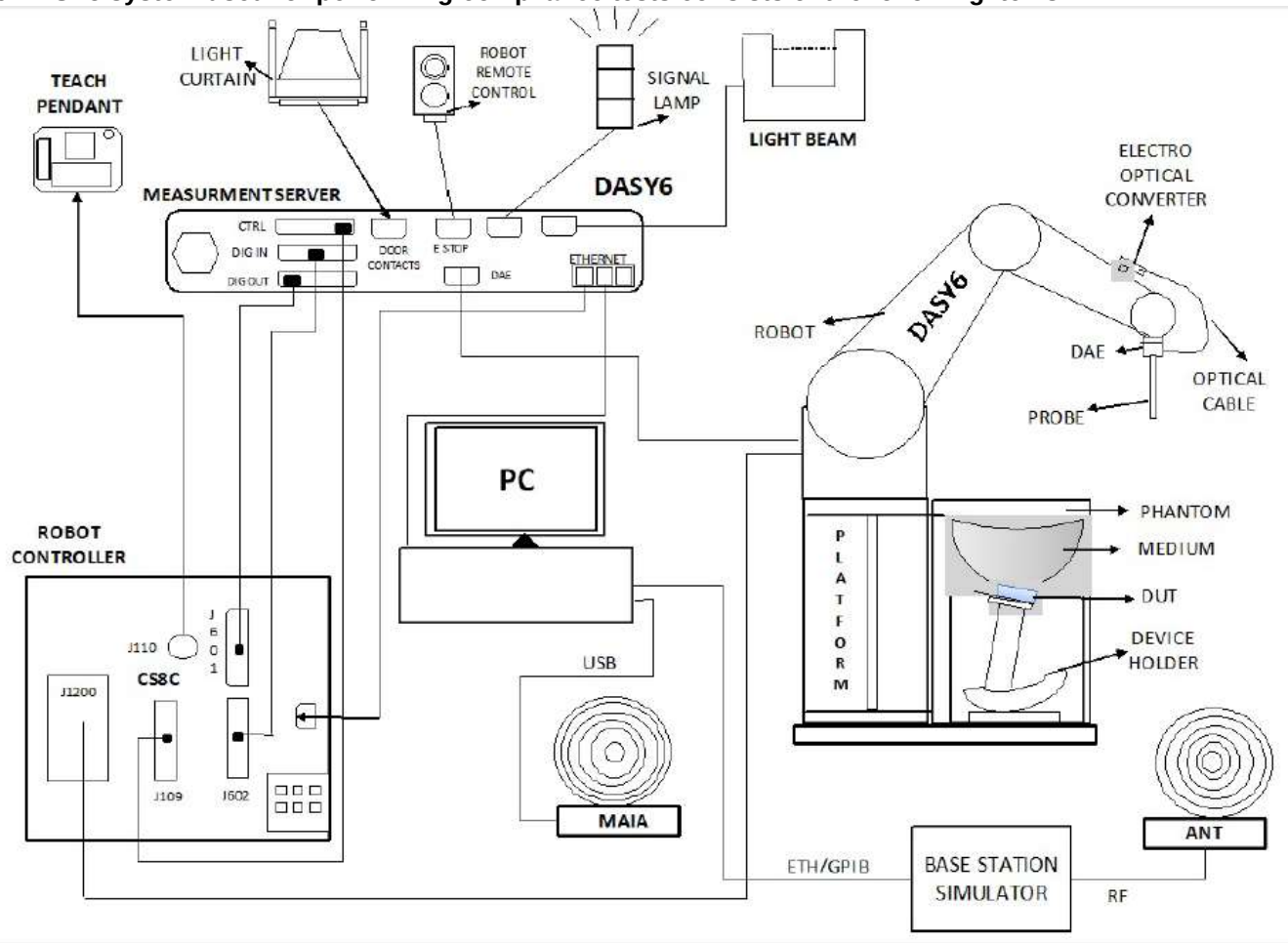
47173 Benicia Street	47266 Benicia Street
SAR Lab A	SAR Lab 1
SAR Lab B	SAR Lab 2
SAR Lab C	SAR Lab 3
SAR Lab D	SAR Lab 4
SAR Lab E	SAR Lab 5
SAR Lab F	SAR Lab 6
SAR Lab G	SAR Lab 8
SAR Lab H	SAR Lab L1
	SAR Lab L2
	SAR Lab L3
	SAR Lab L4
	SAR Lab L6

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0.

4. SAR Measurement System & Test Equipment

4.1. SAR Measurement System

The DASY5 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 WinXP or Win7 and the DASY5 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

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	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
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 $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

Step 3: Zoom Scan

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

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

			≤ 3 GHz	> 3 GHz
Maximum zoom scan spatial resolution: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$			≤ 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: $\Delta z_{\text{Zoom}}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{\text{Zoom}}(1)$: between 1 st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{\text{Zoom}}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)$	
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 <u>reported</u> SAR from the <i>area scan based 1-g SAR estimation</i> 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.

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Network Analyzer	Rohde & Schwarz	ZNLE6	101273	2/27/2021
Dielectric Probe kit	SPEAG	DAK-3.5	1103	1/16/2021
Shorting block	SPEAG	DAK-3.5 Short	SM DAK200BA	11/19/2020
Thermometer	Fischer Scientific	4242	140493798	6/5/2021
Network Analyzer	Rohde & Schwarz	ZNLE6	101274-mn	2/26/2021
Dielectric Probe kit	SPEAG	DAK-3.5	1082	10/8/2020
Shorting block	SPEAG	DAK-3.5 Short	SM DAK200DA	10/8/2020
Thermometer	Fischer Scientific	4242	140562250	6/5/2021

System Check

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Signal Generator	Rohde & Schwarz	SMB 100A	180969-yC	2/18/2021
Power Sensor	Rohde & Schwarz	NRP18A	100994-RE	2/18/2021
Signal Generator	Rohde & Schwarz	SMB 100A	180970-zC	2/18/2021
Power Sensor	Rohde & Schwarz	NRP18A	100995-hs	2/18/2021
Signal Generator	Rohde & Schwarz	SMB 100A	180968-gX	2/18/2021
Power Sensor	Rohde & Schwarz	NRP18A	100992-iu	2/18/2021
MXG Analog Signal Generator	Agilent	N5181A	MY50140630	1/21/2021
Power Sensor	Agilent	8481A	2237A31744	2/26/2021
Power Sensor	Agilent	8481A	2702A60780	2/12/2021
Power Meter	HP	437B	3125U16345	1/22/2021
Power Meter	HP	437B	3125U12345	1/22/2021
Regulated DC Power Supply	Ametek	XT15-4	1802A01877	N/A
MXG Analog Signal Generator	Agilent	N5181A	MY50140610	1/21/2021
Power Meter	HP	437B	3125U11364	1/22/2021
Power Meter	HP	437B	3125U09516	1/22/2021
Power Sensor	Agilent	8481A	1926A27048	2/12/2021
Power Sensor	Agilent	8481A	3318A92374	2/12/2021
DC Power Supply	HP	6296A	2841A-05955	N/A

Note(s):

*Equipment not used past calibration due date.

Lab Equipment

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
E-Field Probe (SAR Lab A)	SPEAG	EX3DV4	7463	7/18/2020 *
E-Field Probe (SAR Lab A)	SPEAG	EX3DV4	3929	4/23/2021
E-Field Probe (SAR Lab A)	SPEAG	EX3DV4	3794	2/14/2021
E-Field Probe (SAR Lab B)	SPEAG	EX3DV4	7356	4/23/2021
E-Field Probe (SAR Lab B)	SPEAG	EX3DV4	7463	7/24/2021
E-Field Probe (SAR Lab C)	SPEAG	EX3DV4	7569	5/7/2021
E-Field Probe (SAR Lab D)	SPEAG	EX3DV4	3773	3/20/2021
E-Field Probe (SAR Lab E)	SPEAG	EX3DV4	3989	1/23/2021
E-Field Probe (SAR Lab F)	SPEAG	EX3DV4	7482	7/18/2020 *
E-Field Probe (SAR Lab F)	SPEAG	EX3DV4	3902	5/15/2021
E-Field Probe (SAR Lab G)	SPEAG	EX3DV4	7498	4/24/2021
E-Field Probe (SAR Lab H)	SPEAG	EX3DV4	7500	4/24/2021
E-Field Probe (SAR Lab 1)	SPEAG	EX3DV4	7483	11/25/2020
E-Field Probe (SAR Lab 2)	SPEAG	EX3DV4	3749	1/23/2021
E-Field Probe (SAR Lab 3)	SPEAG	EX3DV4	7501	5/15/2021
E-Field Probe (SAR Lab 4)	SPEAG	EX3DV4	3885	10/16/2020
E-Field Probe (SAR Lab 5)	SPEAG	EX3DV4	3686	9/26/2020
E-Field Probe (SAR Lab 6)	SPEAG	EX3DV4	3772	2/21/2021
E-Field Probe (SAR Lab 8)	SPEAG	EX3DV4	7335	2/21/2021
E-Field Probe (SAR Lab L1)	SPEAG	EX3DV4	7585	5/7/2021
E-Field Probe (SAR Lab L2)	SPEAG	EX3DV4	7587	5/8/2021
E-Field Probe (SAR Lab L3)	SPEAG	EX3DV4	7589	5/8/2021
E-Field Probe (SAR Lab L4)	SPEAG	EX3DV4	7586	5/8/2021
E-Field Probe (SAR Lab L6)	SPEAG	EX3DV4	7572	5/7/2021
Data Acquisition Electronics (SAR Lab A)	SPEAG	DAE4	1258	5/13/2021
Data Acquisition Electronics (SAR Lab B)	SPEAG	DAE4	1439	7/11/2020 *
Data Acquisition Electronics (SAR Lab B)	SPEAG	DAE4	1545	4/15/2021
Data Acquisition Electronics (SAR Lab C)	SPEAG	DAE4	1620	5/7/2021
Data Acquisition Electronics (SAR Lab D)	SPEAG	DAE4	1433	3/17/2021
Data Acquisition Electronics (SAR Lab E)	SPEAG	DAE4	1377	10/10/2020
Data Acquisition Electronics (SAR Lab F)	SPEAG	DAE4	1352	11/15/2020
Data Acquisition Electronics (SAR Lab G)	SPEAG	DAE4	1544	3/16/2021
Data Acquisition Electronics (SAR Lab H)	SPEAG	DAE4	1548	4/15/2021
Data Acquisition Electronics (SAR Lab 1)	SPEAG	DAE4	1257	10/10/2020
Data Acquisition Electronics (SAR Lab 2)	SPEAG	DAE4	1472	3/12/2021
Data Acquisition Electronics (SAR Lab 3)	SPEAG	DAE4	1546	5/15/2021
Data Acquisition Electronics (SAR Lab 4)	SPEAG	DAE4	1547	5/15/2021
Data Acquisition Electronics (SAR Lab 5)	SPEAG	DAE4	1540	2/21/2021
Data Acquisition Electronics (SAR Lab 6)	SPEAG	DAE4	1380	8/27/2020
Data Acquisition Electronics (SAR Lab 6)	SPEAG	DAE4	1259	7/16/2021
Data Acquisition Electronics (SAR Lab 8)	SPEAG	DAE4	1359	2/26/2021
Data Acquisition Electronics (SAR Lab L1)	SPEAG	DAE4	1618	5/7/2021
Data Acquisition Electronics (SAR Lab L2)	SPEAG	DAE4	1621	5/7/2021
Data Acquisition Electronics (SAR Lab L3)	SPEAG	DAE4	1619	5/7/2021
Data Acquisition Electronics (SAR Lab L4)	SPEAG	DAE4	1622	5/8/2021
Data Acquisition Electronics (SAR Lab L6)	SPEAG	DAE4	1617	5/7/2021

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	11/20/2020
System Validation Dipole	SPEAG	D835V2	4d002	11/20/2020
System Validation Dipole	SPEAG	D835V2	4d142	8/23/2020*
System Validation Dipole	SPEAG	D1750V2	1053	10/10/2020
System Validation Dipole	SPEAG	D1750V2	1050	4/21/2021
System Validation Dipole	SPEAG	D1750V2	1077	10/10/2020
System Validation Dipole	SPEAG	D1900V2	5d163	10/14/2020
System Validation Dipole	SPEAG	D1900V2	5d043	11/20/2020
System Validation Dipole	SPEAG	D1900V2	5d140	4/21/2021
System Validation Dipole	SPEAG	D2300V2	1002	4/17/2021
System Validation Dipole	SPEAG	D2300V2	1058	10/14/2020
System Validation Dipole	SPEAG	D2450V2	899	4/17/2021
System Validation Dipole	SPEAG	D2450V2	706	5/8/2021
System Validation Dipole	SPEAG	D2450V2	748	3/12/2021
System Validation Dipole	SPEAG	D2600V2	1036	4/17/2021
System Validation Dipole	SPEAG	D2600V2	1006	10/14/2020
System Validation Dipole	SPEAG	D3500V2	1011	4/17/2021
System Validation Dipole	SPEAG	D3500V2	1060	3/12/2021
System Validation Dipole	SPEAG	D3700V2	1039	5/11/2021
System Validation Dipole	SPEAG	D3900V2	1052	8/3/2021
System Validation Dipole	SPEAG	D5GHzV2	1168	11/23/2020
System Validation Dipole	SPEAG	D5GHzV2	1138	8/26/2020*
System Validation Dipole	SPEAG	D5GHzV2	1003	3/12/2021

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	2/19/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	953	135390-WS	2/23/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	957	134852-cy	2/25/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	949	134851-LL	2/20/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	970	137875-DZ	2/26/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	259	124594-HX	2/21/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	960	135384-pJ	2/26/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	978	137877-ms	2/20/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	268	124593-ss	2/19/2021
Power Meter	Keysight	N1912A	1273	MY55196007	1/22/2021
Power Sensor	Keysight	N1912A	309	MY52270022	2/13/2021
Power Sensor	Rohde & Schwarz	NRP85	211886	109115-nc	4/20/2021
Lab Thermometer	Keysight	Traceable	1819	170024401	3/11/2021

5. Measurement Uncertainty

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

Therefore, the measurement uncertainty is not required.

6. Device Under Test (DUT) Information

6.1. DUT Description

The Apple iPhone is a smartphone with 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, NFC and WPT. 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): 146.72 mm x 71.52 mm Overall Diagonal: 163.07 mm (6.42 inch) Display Diagonal: 153.9 mm (6.06 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	QPSK 16QAM 64QAM 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
	FDD Band 5B FDD Band 7C TDD Band 41C TDD Band 48C	Does this device support SV-LTE (1xRTT-LTE)? ☐ Yes ☒ No		
5G NR (FR1)	FDD band n2 FDD band n5 FDD band n12 FDD band n25 TDD band n41 FDD band n66 FDD band n71 TDD band n77	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)		100% (802.11b) 98.97% (802.11g/n 20MHz BW)
	5 GHz ¹	802.11a 802.11n (HT20) 802.11n (HT40) 802.11ac (VHT20) 802.11ac (VHT40) 802.11ac (VHT80) 802.11ax (HE20) 802.11ax (HE40) 802.11ax (HE80)		98.97% (802.11a/n/ac 20MHz BW) 97.84% (802.11n/ac 40MHz BW) 95.82% (802.11n/ac 80MHz BW)

		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	13.56 MHz	Type A/B/F and ISO15693	N/A ⁴
UWB (Ultra-Wideband)	6.24 GHz and 8.2368 GHz	BPM-BPSK	N/A ⁴

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 for LTE Band 41 and 5G NR(FR1) band n41 .
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. Measured Duty Cycle is not required due to SAR test exemption.

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
	Low	18700	18675/	18650/	18625/	18615/
		/1860	1857.5	1855	1852.5	1851.5
						1850.7
	Mid	18900/	18900/	18900/	18900/	18900/
		1880	1880	1880	1880	1880
	High	19100/	19125/	19150/	19175/	19185/
		1900	1902.5	1905	1907.5	1908.5
						19193/
	Band 4	Frequency range: 1710 - 1755 MHz (BW = 45 MHz)				
		Channel Bandwidth				
		20 MHz ¹	15 MHz	10 MHz	5 MHz	3 MHz
	Low	20050/	20025/	20000/	19975/	19965/
		1720	1717.5	1715	1712.5	1711.5
						1710.7
	Mid	20175/	20175/	20175/	20175/	20175/
		1732.5	1732.5	1732.5	1732.5	1732.5
	High	20300/	20325/	20350/	20375/	20385/
		1745	1747.5	1750	1752.5	1753.5
						20393/
	Band 5	Frequency range: 824 - 849 MHz (BW = 25 MHz)				
		Channel Bandwidth				
		20 MHz	15 MHz	10 MHz ¹	5 MHz	3 MHz
	Low			20450/	20425/	20415/
				829	826.5	825.5
						824.7
	Mid			20525/	20525/	20525/
				836.5	836.5	836.5
	High			20600/	20625/	20635/
				844	846.5	847.5
						20643/
	Band 7	Frequency range: 2500 - 2570 MHz (BW = 70 MHz)				
		Channel Bandwidth				
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz
	Low	20850	20825	20800	20775	
		2510	2507.5	2505	2502.5	
	Mid	21100	21100	21100	21100	
		2535	2535	2535	2535	
	High	21350	21375	21400	21425	
		2560	2562.5	2565	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
	Low			23060/	23035/	23025/
				704	701.5	700.5
						23017/
	Mid			23095/	23095/	23095/
				707.5	707.5	707.5
	High			23130/	23155/	23165/
				711	713.5	714.5
						23173/
	Band 13	Frequency range: 777 - 787 MHz (BW = 10 MHz)				
		Channel Bandwidth				
		20 MHz	15 MHz	10 MHz ¹	5 MHz ¹	3 MHz
	Low				23205/	
					779.5	
	Mid			23230/	23230/	
				782	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
	Low				23305/	
					790.5	
	Mid			23330/	23330/	
				793	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																																																														
		133222/ 673	133197/ 670.5	133172/ 668	133147/ 665.5																																																																
	Low																																																																				
	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 <table border="1"> <thead> <tr> <th rowspan="2">Modulation</th><th colspan="6">Channel bandwidth / Transmission bandwidth (N_{RB})</th><th rowspan="2">MPR (dB)</th></tr> <tr> <th>1.4 MHz</th><th>3.0 MHz</th><th>5 MHz</th><th>10 MHz</th><th>15 MHz</th><th>20 MHz</th></tr> </thead> <tbody> <tr> <td>QPSK</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 1</td></tr> <tr> <td>16 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 1</td></tr> <tr> <td>16 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 2</td></tr> <tr> <td>64 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 2</td></tr> <tr> <td>64 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 3</td></tr> <tr> <td>256 QAM</td><td colspan="6">≥ 1</td><td>≤ 5</td></tr> </tbody> </table> 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							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
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																																																														
Spectrum plots for RB configurations	A properly configured base station simulator was used for the SAR and power measurements; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report.																																																																				

Notes:

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

6.4. 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	$26336 \cdot T_s$	$(2+X) \cdot 2192 \cdot T_s$	$(2+X) \cdot 2560 \cdot T_s$	$7680 \cdot T_s$	$(2+X) \cdot 2192 \cdot T_s$	$(2+X) \cdot 2560 \cdot T_s$
5	$6592 \cdot T_s$			$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$	$13152 \cdot T_s$	$12800 \cdot T_s$	-	-	-
9	$13168 \cdot T_s$			-	-	-
10	$13168 \cdot T_s$			-	-	-

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

Item	Description												
Frequency range, Channel Bandwidth, Numbers and Frequencies	n2	Frequency range: 1850 - 1910 MHz (BW = 60 MHz)											
		Channel Bandwidth (MHz)											
		100	90	80	60	50	40	30	25	20	15	10	5
	Low									372000 /1860	371500 /1857.5	371000 /1855	370500 /1852.5
	Mid									376000 /1880	376000 /1880	376000 /1880	376000 /1880
	High									380000 /1900	380500 /1902.5	381000 /1905	381500 /1907.5
	n5	Frequency range: 824 - 849 MHz (BW = 25 MHz)											
		Channel Bandwidth (MHz)											
		100	90	80	60	50	40	30	25	20 ¹	15 ¹	10 ¹	5
	Low									166800 /834	166300 /831.5	165800 /829	165300 /826.5
	Mid									167300 /836.5	167300 /836.5	167300 /836.5	167300 /836.5
	High									167800 /839	168300 /841.5	168800 /844	169300 /846.5
	n12	Frequency range: 699 – 716 MHz (BW = 17 MHz)											
		Channel Bandwidth (MHz)											
		100	90	80	60	50	40	30	25	20	15 ¹	10 ¹	5
	Low										141300 /706.5	140800 /704	140300 /701.5
	Mid										141500 /707.5	141500 /707.5	141500 /707.5
	High										141700 /708.5	142200 /711	142700 /713.5
	n25	Frequency range: 1850 - 1915 MHz (BW = 65 MHz)											
		Channel Bandwidth (MHz)											
		100	90	80	60	50	40	30	25	20	15	10	5
	Low									372000 /1860	371500 /1857.5	371000 /1855	370500 /1852.5
	Mid									376500 /1882.5	376500 /1882.5	376500 /1882.5	376500 /1882.5
	High									381000 /1905	381500 /1907.5	382000 /1910	382500 /1912.5
	n41 ³	Frequency range: 2496 - 2690 MHz (BW = 194 MHz)											
		Channel Bandwidth (MHz)											
		100 ¹	90 ¹	80 ¹	60	50	40	30	25	20	15	10	5
		509200 /2546	508200 /2541	507200 /2536	505200 /2526	504200 /2521	503200 /2516			501200 /2506			
		513900 /2569.5	513400 /2567	512900 /2564.5	511900 /2559.5	511400 /2557	510900 /2554.5			509900 /2549.5			
		518600 /2593	518600 /2593	518600 /2593	518600 /2593	518600 /2593	518600 /2593			518600 /2593			
		523300 /2616.5	523800 /2619	524300 /2621.5	525300 /2626.5	525800 /2629	526300 /2631.5			527300 /2636.5			
		528000 /2640	529000 /2645	530000 /2650	532000 /2660	533000 /2665	534000 /2670			536000 /2680			
	n66	Frequency range: 1710 - 1780 MHz (BW = 70 MHz)											
		Channel Bandwidth (MHz)											
		100	90	80	60	50	40 ¹	30 ¹	25 ¹	20	15	10	5
	Low									344000 /1720	343500 /1717.5	343000 /1715	342500 /1712.5
	Mid									349000 /1745	349000 /1745	349000 /1745	349000 /1745
	High									354000 /1770	354500 /1772.5	355000 /1775	355500 /1777.5
	n71	Frequency range: 663 - 698 MHz (BW = 35 MHz)											
		Channel Bandwidth (MHz)											
		100	90	80	60	50	40	30	25	20 ¹	15 ¹	10	5
	Low									134600 /673	134100 /670.5	133600 /668	133100 /665.5
	Mid									136100 /680.5	136100 /680.5	136100 /680.5	136100 /680.5
	High									137600 /688	138100 /690.5	138600 /693	139100 /695.5
	n77	Frequency range: 3700 - 3980 MHz (BW = 280 MHz)											
		Channel Bandwidth (MHz)											
		100	90	80	60	50	40	30	25	20	15	10	5
		650000 /3750	649666 /3744.99	649334 /3740.01	648666 /3729.99	648334 /3725.01	648000 /3720			647334 /3710.01			
		653000 /3795	652834 /3792.51	652666 /3789.99	652334 /3785.01	652166 /3782.49	652000 /3780			651666 /3774.99			
	Mid	656000 /3840	656000 /3840	656000 /3840	656000 /3840	656000 /3840	656000 /3840			656000 /3840			
	Mid- High	659000 /3885	659166 /3887.49	659334 /3890.01	659666 /3894.99	659834 /3897.51	660000 /3900			660266 /3903.99			

	High	662000 /3930	662334 /3935.01	662666 /3939.99	663334 /3950.01	663666 /3954.99	664000 /3960			664666 /3969.99			
SCS	15 kHz (n2, n5, n12, n25, 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 SAT testing?	Yes												
EN-DC Carrier Aggregation Possible Combinations													
LTE Anchor Bands for NR band n2			LTE Band 5/12										
LTE Anchor Bands for NR band n5			LTE Band 2/7/30/48/66										
LTE Anchor Bands for NR band n12			LTE Band 2/66										
LTE Anchor Bands for NR band n25			LTE Band 12										
LTE Anchor Bands for NR band n41			LTE Band 2/25/26/41/66										
LTE Anchor Bands for NR band n66			LTE Band 5/12/13/48/71										
LTE Anchor Bands for NR band n71			LTE Band 2/7/66										
LTE Anchor Bands for NR band n77			LTE Band 41										

Notes:

- Maximum bandwidth does not support at least three non-overlapping channels in certain channel bandwidths. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing per FCC Guidance.
- 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.
- 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		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 10 W/kg (SAR design target)	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 10 W/kg (SAR design target)	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 10 W/kg (SAR design target)	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 10 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	39.18	32.50	33.16	26.48	34.81	32.50	28.79	26.48	32.50	26.48			
	GSM 1900 2 slots ¹	0.25	36.09	31.00	30.07	24.98	23.06	22.50	17.04	16.48	31.00	24.98			
	W-CDMA B2	1	29.72	25.70	29.72	25.70	16.51	16.50	16.51	16.50	25.70	25.70			
	W-CDMA B4	1	29.69	25.70	29.69	25.70	17.26	17.00	17.26	17.00	25.70	25.70			
	W-CDMA B5	1	31.99	25.70	31.99	25.70	26.76	25.70	26.76	25.70	25.70	25.70			
	CDMA BC0	1	31.14	25.70	31.14	25.70	26.78	25.70	26.78	25.70	25.70	25.70			
	CDMA BC1	1	31.29	25.70	31.29	25.70	16.94	16.50	16.94	16.50	25.70	25.70			
	CDMA BC10	1	31.91	25.70	31.91	25.70	26.79	25.70	26.79	25.70	25.70	25.70			
	LTE Band 5	1	32.03	25.70	32.03	25.70	27.32	25.70	27.32	25.70	25.70	25.70			
	LTE Band 7	1	29.59	25.70	29.59	25.70	19.54	19.50	19.54	19.50	25.70	25.70			
	LTE Band 12/17	1	32.83	25.70	32.83	25.70	26.39	25.70	26.39	25.70	25.70	25.70			
	LTE Band 13	1	31.92	25.70	31.92	25.70	26.99	25.70	26.99	25.70	25.70	25.70			
	LTE Band 14	1	31.95	25.70	31.95	25.70	27.97	25.70	27.97	25.70	25.70	25.70			
	LTE Band 25/2	1	31.23	25.70	31.23	25.70	16.81	16.50	16.81	16.50	25.70	25.70			
	LTE Band 26	1	32.68	25.70	32.68	25.70	27.93	25.70	27.93	25.70	25.70	25.70			
	LTE Band 30	1	28.89	25.70	28.89	25.70	21.07	21.00	21.07	21.00	25.70	25.70			
	LTE Band 41 ¹	0.633	32.71	25.70	30.72	23.71	22.39	22.25	20.40	20.26	25.70	23.71			
	LTE Band 66/4	1	30.90	25.70	30.90	25.70	17.29	17.00	17.29	17.00	25.70	25.70			
	LTE Band 71	1	32.47	25.70	32.47	25.70	27.89	25.70	27.89	25.70	25.70	25.70			
	NR n5	1	33.40	25.70	33.40	25.70	28.31	25.70	28.31	25.70	25.70	25.70			
	NR n12	1	34.84	25.70	34.84	25.70	29.33	25.70	29.33	25.70	25.70	25.70			
	NR n25/2	1	35.29	25.70	35.29	25.70	17.55	16.50	17.55	16.50	25.70	25.70			
	NR n41 ¹	1	32.54	25.70	32.54	25.70	20.33	20.25	20.33	20.25	23.70	23.70			
	NR n66	1	31.37	25.70	31.37	25.70	17.62	17.00	17.62	17.00	25.70	25.70			
	NR n71	1	36.35	25.70	36.35	25.70	31.74	25.70	31.74	25.70	25.70	25.70			
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 10 W/kg (SAR design target)	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 10 W/kg (SAR design target)	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 10 W/kg (SAR design target)	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 10 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			
ANT2	GSM 850 2 slots ¹	0.25	32.51	31.00	26.49	24.98	32.90	31.00	26.88	24.98	31.00	24.98			
	GSM 1900 2 slots ¹	0.25	26.70	26.00	20.68	19.98	26.77	26.25	20.75	20.23	28.50	22.48			
	W-CDMA B2	1	20.05	20.00	20.05	20.00	20.05	20.25	20.05	20.25	23.10	23.10			
	W-CDMA B4	1	18.53	18.50	18.53	18.50	17.46	17.25	17.46	17.25	23.10	23.10			
	W-CDMA B5	1	25.23	23.90	25.23	23.90	28.38	23.90	28.38	23.90	23.90	23.90			
	CDMA BC0	1	25.13	23.90	25.13	23.90	26.17	23.90	26.17	23.90	23.90	23.90			
	CDMA BC1	1	20.65	20.00	20.65	20.00	21.14	20.25	21.14	20.25	23.10	23.10			
	CDMA BC10	1	25.62	23.90	25.62	23.90	27.42	23.90	27.42	23.90	23.90	23.90			
	LTE Band 5	1	25.14	24.50	25.14	24.50	27.40	24.50	27.40	24.50	24.50	24.50			
	LTE Band 7	1	16.73	16.50	16.73	16.50	17.55	17.50	17.55	17.50	22.80	22.80			
	LTE Band 12/17	1	26.11	23.90	26.11	23.90	26.64	23.90	26.64	23.90	23.90	23.90			
	LTE Band 13	1	25.91	23.90	25.91	23.90	27.57	23.90	27.57	23.90	23.90	23.90			
	LTE Band 14	1	26.12	23.90	26.12	23.90	28.73	23.90	28.73	23.90	23.90	23.90			
	LTE Band 25/2	1	20.16	20.00	20.16	20.00	20.66	20.25	20.66	20.25	23.10	23.10			
	LTE Band 26	1	25.00	24.50	25.00	24.50	27.47	24.50	27.47	24.50	24.50	24.50			
	LTE Band 30	1	19.93	19.75	19.93	19.75	21.28	20.75	21.28	20.75	22.80	22.80			
	LTE Band 41 ¹	0.633	18.56	18.50	16.57	16.51	19.84	19.75	17.85	17.76	22.80	20.81			
	LTE Band 66/4	1	18.70	18.50	18.70	18.50	17.33	17.25	17.33	17.25	23.10	23.10			
	LTE Band 71	1	25.14	24.50	25.14	24.50	28.90	24.50	28.90	24.50	24.50	24.50			
	NR n5	1	26.78	24.50	26.78	24.50	29.02	24.50	29.02	24.50	24.50	24.50			
	NR n12	1	27.65	23.90	27.65	23.90	28.45	23.90	28.45	23.90	23.90	23.90			
	NR n25/2	1	21.37	20.00	21.37	20.00	22.16	20.25	22.16	20.25	23.10	23.10			
	NR n41 ¹	1	16.92	16.50	16.92	16.50	17.99	17.75	17.99	17.75	25.70	25.70			
	NR n66	1	19.32	18.50	19.32	18.50	18.02	17.25	18.02	17.25	23.10	23.10			
	NR n71	1	29.38	24.50	29.38	24.50	29.79	24.50	29.79	24.50	24.50	24.50			

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.
4. LTE B48 and 5G NR n41 was SAR tested at P_{limit} . LTE B48 and 5G NR n41 conducted power values are listed for information but this device will only transmit in this band up to P_{max} power levels. For these test configurations $P_{\text{max}} < P_{\text{limit}}$. Therefore, testing was conducted at a level higher than P_{max} .

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	Edge 2	Edge 3	Edge 4
				(Top Edge)	(Right Edge)	(Bottom Edge)	(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/n12/n25/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/n12/n25/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/n25/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/n25/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	Yes	No	No
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 $\pm 2^\circ\text{C}$ of the temperature when the tissue parameters are characterized.

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

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

The dielectric constant (ϵ_r) and conductivity (σ) of typical tissue-equivalent media recipes are expected to be within $\pm 5\%$ of the required target values; but for SAR measurement systems that have implemented the SAR error compensation algorithms documented in IEEE Std 1528-2013, to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters, the tolerance for ϵ_r and σ may be relaxed to $\pm 10\%$. 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 (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
A	6/29/2020	2600	Head	2600	39.09	39.01	0.20	1.93	1.96	-1.44
				2495	39.22	39.14	0.20	1.84	1.85	-0.41
				2690	38.87	38.90	-0.07	2.00	2.06	-2.94
A	7/6/2020	2600	Head	2600	37.25	39.01	-4.51	1.90	1.96	-3.22
				2495	37.39	39.14	-4.48	1.81	1.85	-2.31
				2690	37.07	38.90	-4.70	1.96	2.06	-4.64
A	7/9/2020	2600	Head	2600	39.05	39.01	0.10	1.97	1.96	0.25
				2495	39.18	39.14	0.09	1.87	1.85	1.37
				2690	38.88	38.90	-0.04	2.04	2.06	-1.09
A	7/13/2020	2600	Head	2600	37.76	39.01	-3.21	1.99	1.96	1.37
				2495	37.86	39.14	-3.28	1.89	1.85	2.40
				2690	37.57	38.90	-3.41	2.07	2.06	0.37
A	7/17/2020	3500	Head	3500	37.96	37.93	0.08	2.82	2.91	-3.04
				3600	37.78	37.82	-0.09	2.92	3.01	-3.12
				3700	37.59	37.70	-0.30	3.02	3.12	-3.22
A	7/21/2020	3500	Head	3500	39.31	37.93	3.64	2.78	2.91	-4.45
				3600	39.14	37.82	3.50	2.88	3.01	-4.58
				3700	38.96	37.70	3.34	2.97	3.12	-4.69
A	7/25/2020	3500	Head	3500	39.68	37.93	4.61	2.77	2.91	-4.73
				3600	39.54	37.82	4.56	2.87	3.01	-4.81
				3700	39.35	37.70	4.37	2.97	3.12	-4.72
A	7/25/2020	2600	Head	2600	40.82	39.01	4.64	1.91	1.96	-2.76
				2495	41.01	39.14	4.77	1.82	1.85	-1.55
				2690	40.65	38.90	4.51	1.97	2.06	-4.25
A	7/28/2020	3500	Head	3500	39.15	37.93	3.22	2.80	2.91	-3.97
				3600	38.97	37.82	3.05	2.89	3.01	-4.14
				3700	38.78	37.70	2.86	2.98	3.12	-4.37
A	7/29/2020	2600	Head	2600	38.85	39.01	-0.41	1.94	1.96	-1.03
				2495	39.00	39.14	-0.37	1.85	1.85	-0.14
				2690	38.70	38.90	-0.51	2.02	2.06	-2.16
A	8/2/2020	2600	Head	2600	40.37	39.01	3.48	1.89	1.96	-3.78
				2495	40.48	39.14	3.42	1.79	1.85	-3.01
				2690	40.20	38.90	3.35	1.96	2.06	-4.88
A	8/4/2020	3500	Head	3500	37.31	37.93	-1.63	2.91	2.91	-0.19
				3600	37.07	37.82	-1.97	3.00	3.01	-0.33
				3700	36.86	37.70	-2.23	3.11	3.12	-0.17
A	8/6/2020	2600	Head	2600	37.62	39.01	-3.57	1.94	1.96	-1.18
				2495	37.85	39.14	-3.30	1.85	1.85	-0.14
				2690	37.45	38.90	-3.72	2.01	2.06	-2.45
A	8/9/2020	2600	Head	2600	38.87	39.01	-0.36	1.93	1.96	-1.69
				2495	39.01	39.14	-0.34	1.84	1.85	-0.41
				2690	38.70	38.90	-0.51	1.99	2.06	-3.28

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
A	8/11/2020	1900	Head	1900	38.58	40.00	-3.55	1.44	1.40	2.50
				1850	38.67	40.00	-3.33	1.41	1.40	0.64
				1920	38.53	40.00	-3.68	1.44	1.40	3.14
A	8/13/2020	1900	Head	2600	38.24	39.01	-1.98	1.97	1.96	0.14
				2495	38.40	39.14	-1.90	1.88	1.85	1.48
				2690	38.04	38.90	-2.20	2.03	2.06	-1.33
A	8/18/2020	2600	Head	2600	37.96	39.01	-2.69	2.02	1.96	2.79
				2495	38.17	39.14	-2.49	1.93	1.85	4.56
				2690	37.78	38.90	-2.87	2.09	2.06	1.48
A	8/19/2020	3500	Head	3700	39.30	37.70	4.24	2.99	3.12	-4.08
				3900	38.97	37.47	3.99	3.16	3.32	-4.96
				4000	38.88	37.36	4.07	3.27	3.42	-4.45

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
B	6/29/2020	750	Head	750	42.49	41.96	1.26	0.88	0.89	-1.79
				660	42.89	42.42	1.10	0.85	0.89	-4.59
				800	42.29	41.71	1.40	0.89	0.90	-0.28
B	7/1/2020	3500	Head	3500	39.77	37.93	4.85	2.79	2.91	-4.24
				3600	39.59	37.82	4.69	2.89	3.01	-4.18
				3700	39.41	37.70	4.53	2.98	3.12	-4.31
B	7/6/2020	3500	Head	3500	38.25	37.93	0.84	2.78	2.91	-4.59
				3600	38.10	37.82	0.75	2.88	3.01	-4.38
				3700	37.90	37.70	0.53	2.97	3.12	-4.66
B	7/6/2020	750	Head	750	43.58	41.96	3.86	0.90	0.89	0.86
				660	43.75	42.42	3.13	0.86	0.89	-2.77
				800	43.24	41.71	3.68	0.92	0.90	2.38
B	7/10/2020	3500	Head	3500	39.39	37.93	3.85	2.78	2.91	-4.69
				3600	39.21	37.82	3.69	2.87	3.01	-4.77
				3700	39.01	37.70	3.47	2.96	3.12	-4.92
B	7/13/2020	3500	Head	3500	37.71	37.93	-0.58	2.78	2.91	-4.59
				3600	37.56	37.82	-0.68	2.87	3.01	-4.64
				3700	37.39	37.70	-0.83	2.97	3.12	-4.82
B	7/13/2020	750	Head	750	40.71	41.96	-2.98	0.93	0.89	3.63
				660	41.00	42.42	-3.35	0.89	0.89	0.11
				800	40.48	41.71	-2.94	0.94	0.90	4.96
B	7/17/2020	3500	Head	3500	37.73	37.93	-0.53	2.87	2.91	-1.36
				3600	37.49	37.82	-0.86	2.97	3.01	-1.39
				3700	37.27	37.70	-1.14	3.07	3.12	-1.64
B	7/20/2020	3500	Head	3500	39.67	37.93	4.59	2.77	2.91	-4.83
				3600	39.52	37.82	4.51	2.86	3.01	-4.97
				3700	39.35	37.70	4.37	2.96	3.12	-4.95
B	7/25/2020	3500	Head	3500	39.59	37.93	4.38	2.77	2.91	-4.79
				3600	39.44	37.82	4.30	2.87	3.01	-4.77
				3700	39.25	37.70	4.11	2.97	3.12	-4.76
B	7/29/2020	3500	Head	3500	39.82	37.93	4.98	2.84	2.91	-2.46
				3600	39.63	37.82	4.80	2.93	3.01	-2.72
				3700	39.42	37.70	4.56	3.03	3.12	-2.70
B	8/2/2020	3500	Head	3500	38.27	37.93	0.90	2.89	2.91	-0.88
				3600	38.15	37.82	0.88	2.99	3.01	-0.89
				3700	37.87	37.70	0.45	3.09	3.12	-0.87
B	8/6/2020	3500	Head	3500	37.80	37.93	-0.34	2.78	2.91	-4.38
				3600	37.59	37.82	-0.60	2.88	3.01	-4.58
				3700	37.39	37.70	-0.83	2.98	3.12	-4.50

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
B	8/10/2020	3500	Head	3500	37.91	37.93	-0.05	2.81	2.91	-3.66
				3600	37.77	37.82	-0.12	2.92	3.01	-3.28
				3700	37.63	37.70	-0.19	3.01	3.12	-3.47
B	8/11/2020	3900	Head	3900	36.42	37.47	-2.81	3.21	3.32	-3.37
				3700	36.72	37.70	-2.60	3.02	3.12	-3.02
				4000	36.30	37.36	-2.84	3.38	3.42	-1.17
B	8/14/2020	3500	Head	3500	38.62	37.93	1.82	2.81	2.91	-3.63
				3600	38.35	37.82	1.41	2.90	3.01	-3.85
				3700	38.08	37.70	1.00	2.98	3.12	-4.31
B	8/14/2020	3900	Head	3900	37.86	37.47	1.03	3.19	3.32	-3.88
				3700	38.08	37.70	1.00	2.98	3.12	-4.37
				4000	37.58	37.36	0.59	3.30	3.42	-3.72
B	8/18/2020	3900	Head	3700	39.42	37.70	4.56	3.18	3.12	2.05
				3900	39.01	37.47	4.10	3.41	3.32	2.74
				4000	38.81	37.36	3.88	3.52	3.42	2.86
B	8/19/2020	3500	Head	3500	39.33	37.93	3.69	2.90	2.91	-0.47
				3600	39.16	37.82	3.56	3.00	3.01	-0.53
				3700	39.00	37.70	3.44	3.10	3.12	-0.46

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
C	7/17/2020	750	Head	750	42.94	41.96	2.33	0.90	0.89	0.50
				660	43.28	42.42	2.02	0.86	0.89	-2.43
				800	42.70	41.71	2.39	0.91	0.90	1.99
C	7/17/2020	835	Head	835	42.66	41.50	2.80	0.92	0.90	2.64
				805	42.70	41.68	2.45	0.92	0.90	2.13
				850	42.67	41.50	2.82	0.93	0.92	1.40
C	7/20/2020	750	Head	750	41.78	41.96	-0.43	0.89	0.89	-0.64
				660	42.47	42.42	0.11	0.87	0.89	-1.36
				800	41.67	41.71	-0.08	0.92	0.90	2.81
C	7/20/2020	835	Head	835	41.68	41.50	0.43	0.93	0.90	3.79
				805	41.69	41.68	0.03	0.92	0.90	3.01
				850	41.63	41.50	0.31	0.94	0.92	2.78
C	7/23/2020	750	Head	750	39.93	41.96	-4.84	0.90	0.89	0.38
				660	40.63	42.42	-4.23	0.86	0.89	-2.51
				800	40.07	41.71	-3.92	0.91	0.90	1.58
C	7/23/2020	835	Head	835	39.97	41.50	-3.69	0.93	0.90	2.86
				805	40.05	41.68	-3.91	0.91	0.90	1.82
				850	39.91	41.50	-3.83	0.93	0.92	1.77
C	7/27/2020	750	Head	750	40.11	41.96	-4.41	0.88	0.89	-2.02
				660	40.44	42.42	-4.67	0.85	0.89	-4.35
				800	39.99	41.71	-4.11	0.89	0.90	-0.86
C	7/27/2020	835	Head	835	40.05	41.50	-3.49	0.90	0.90	0.14
				805	40.00	41.68	-4.03	0.89	0.90	-0.70
				850	40.05	41.50	-3.49	0.91	0.92	-0.90
C	7/31/2020	750	Head	750	42.16	41.96	0.47	0.89	0.89	0.18
				660	42.72	42.42	0.70	0.87	0.89	-2.26
				800	42.04	41.71	0.80	0.91	0.90	1.29
C	7/31/2020	835	Head	835	42.03	41.50	1.28	0.92	0.90	2.21
				805	42.02	41.68	0.82	0.91	0.90	1.45
				850	42.04	41.50	1.30	0.93	0.92	1.13
C	8/2/2020	1900	Head	1900	39.34	40.00	-1.65	1.44	1.40	3.14
				1850	39.05	40.00	-2.38	1.41	1.40	0.86
				1920	39.34	40.00	-1.65	1.45	1.40	3.64
C	8/4/2020	750	Head	750	40.77	41.96	-2.84	0.90	0.89	0.71
				660	41.84	42.42	-1.37	0.87	0.89	-1.63
				800	40.98	41.71	-1.74	0.91	0.90	1.71
C	8/4/2020	835	Head	835	40.62	41.50	-2.12	0.93	0.90	3.09
				805	40.91	41.68	-1.85	0.91	0.90	1.96
				850	40.65	41.50	-2.05	0.94	0.92	2.22

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
C	8/6/2020	1900	Head	1900	38.27	40.00	-4.32	1.43	1.40	1.93
				1850	38.38	40.00	-4.05	1.40	1.40	0.00
				1920	38.21	40.00	-4.48	1.44	1.40	2.79
C	8/8/2020	750	Head	750	41.03	41.96	-2.22	0.87	0.89	-2.62
				660	41.51	42.42	-2.15	0.84	0.89	-4.79
				800	40.93	41.71	-1.86	0.89	0.90	-0.97
C	8/8/2020	835	Head	835	40.92	41.50	-1.40	0.89	0.90	-1.31
				805	40.93	41.68	-1.80	0.89	0.90	-0.77
				850	40.90	41.50	-1.45	0.91	0.92	-0.96
C	8/10/2020	1900	Head	1900	38.15	40.00	-4.63	1.41	1.40	0.36
				1850	38.37	40.00	-4.08	1.38	1.40	-1.64
				1920	38.14	40.00	-4.65	1.42	1.40	1.14
C	8/12/2020	750	Head	750	41.34	41.96	-1.48	0.91	0.89	1.89
				660	41.97	42.42	-1.07	0.88	0.89	-0.86
				800	41.32	41.71	-0.92	0.92	0.90	3.03
C	8/12/2020	835	Head	835	41.28	41.50	-0.53	0.94	0.90	3.99
				805	41.30	41.68	-0.91	0.93	0.90	3.20
				850	41.27	41.50	-0.55	0.94	0.92	2.85
C	8/16/2020	750	Head	750	42.52	41.96	1.33	0.89	0.89	0.08
				660	42.93	42.42	1.19	0.86	0.89	-2.88
				800	42.33	41.71	1.50	0.91	0.90	1.57
C	8/16/2020	835	Head	835	42.23	41.50	1.76	0.92	0.90	2.57
				805	42.31	41.68	1.51	0.91	0.90	1.76
				850	42.19	41.50	1.66	0.93	0.92	1.31
C	8/17/2020	1750	Head	1750	41.71	40.08	4.05	1.32	1.37	-3.87
				1710	41.78	40.15	4.07	1.29	1.35	-4.19
				1755	41.70	40.08	4.05	1.32	1.37	-3.70
C	8/20/2020	750	Head	750	43.92	41.96	4.67	0.90	0.89	0.62
				660	44.35	42.42	4.54	0.87	0.89	-2.30
				800	43.78	41.71	4.98	0.92	0.90	2.09
C	8/20/2020	835	Head	835	39.61	41.50	-4.55	0.92	0.90	1.72
				805	39.70	41.68	-4.75	0.90	0.90	0.80
				850	39.56	41.50	-4.67	0.92	0.92	0.64
C	8/21/2020	2300	Head	2300	38.75	39.47	-1.83	1.70	1.66	2.24
				2350	38.92	39.38	-1.18	1.73	1.71	1.48
				2400	38.41	39.30	-2.26	1.76	1.75	0.19
C	8/24/2020	1750	Head	1750	40.60	40.08	1.29	1.36	1.37	-1.02
				1710	40.65	40.15	1.26	1.33	1.35	-1.07
				1755	40.59	40.08	1.28	1.37	1.37	-0.20

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
D	6/29/2020	835	Head	835	42.72	41.50	2.94	0.92	0.90	2.29
				805	43.01	41.68	3.19	0.89	0.90	-1.06
				850	42.57	41.50	2.58	0.94	0.92	2.30
D	7/1/2020	750	Head	750	43.45	41.96	3.55	0.88	0.89	-0.99
				660	43.96	42.42	3.62	0.85	0.89	-4.18
				800	43.38	41.71	4.02	0.90	0.90	-0.02
D	7/6/2020	750	Head	750	41.16	41.96	-1.91	0.87	0.89	-2.52
				660	41.92	42.42	-1.19	0.84	0.89	-4.94
				800	41.27	41.71	-1.04	0.89	0.90	-0.93
D	7/7/2020	835	Head	835	41.60	41.50	0.24	0.93	0.90	2.84
				805	41.70	41.68	0.05	0.91	0.90	1.70
				850	41.53	41.50	0.07	0.93	0.92	1.64
D	7/9/2020	750	Head	750	40.58	41.96	-3.29	0.89	0.89	-0.40
				660	41.27	42.42	-2.72	0.86	0.89	-3.17
				800	40.62	41.71	-2.60	0.91	0.90	1.27
D	7/10/2020	1900	Head	1900	38.28	40.00	-4.30	1.46	1.40	3.93
				1850	38.40	40.00	-4.00	1.42	1.40	1.71
				1920	38.26	40.00	-4.35	1.47	1.40	5.00
D	7/13/2020	1900	Head	1900	38.23	40.00	-4.43	1.45	1.40	3.64
				1850	38.30	40.00	-4.25	1.42	1.40	1.36
				1920	38.23	40.00	-4.43	1.47	1.40	4.86
D	7/14/2020	1750	Head	1750	38.88	40.08	-3.01	1.36	1.37	-0.73
				1710	38.93	40.15	-3.03	1.34	1.35	-0.55
				1755	38.87	40.08	-3.01	1.36	1.37	-0.71
D	7/14/2020	835	Head	835	40.66	41.50	-2.02	0.90	0.90	0.00
				805	40.73	41.68	-2.28	0.89	0.90	-0.81
				850	40.61	41.50	-2.14	0.91	0.92	-0.34
D	7/17/2020	2600	Head	2600	37.15	39.01	-4.77	1.93	1.96	-1.64
				2495	37.28	39.14	-4.76	1.84	1.85	-0.36
				2690	36.96	38.90	-4.98	2.01	2.06	-2.35
D	7/21/2020	2600	Head	2600	38.96	39.01	-0.13	1.99	1.96	1.27
				2495	39.10	39.14	-0.11	1.87	1.85	1.15
				2690	38.77	38.90	-0.33	2.05	2.06	-0.41
D	7/25/2020	2600	Head	2600	39.98	39.01	2.48	1.99	1.96	1.52
				2495	40.12	39.14	2.50	1.89	1.85	2.45
				2690	39.80	38.90	2.32	2.06	2.06	0.03
D	7/29/2020	2600	Head	2600	37.70	39.01	-3.36	1.98	1.96	1.01
				2495	37.86	39.14	-3.28	1.89	1.85	2.07
				2690	37.55	38.90	-3.46	2.06	2.06	-0.12

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
D	8/2/2020	2600	Head	2600	38.04	39.01	-2.49	1.93	1.96	-1.59
				2495	38.13	39.14	-2.59	1.84	1.85	-0.58
				2690	37.87	38.90	-2.64	2.02	2.06	-1.92
D	8/6/2020	2600	Head	2600	39.42	39.01	1.05	1.91	1.96	-2.81
				2495	39.60	39.14	1.17	1.82	1.85	-1.71
				2690	39.25	38.90	0.91	1.98	2.06	-4.00
D	8/9/2020	2600	Head	2600	37.72	39.01	-3.31	1.97	1.96	0.50
				2495	37.86	39.14	-3.28	1.86	1.85	0.56
				2690	37.51	38.90	-3.57	2.02	2.06	-1.92
D	8/13/2020	2600	Head	2600	39.01	39.01	0.00	1.95	1.96	-0.62
				2495	39.20	39.14	0.14	1.86	1.85	0.61
				2690	38.80	38.90	-0.25	2.01	2.06	-2.40
D	8/15/2020	1900	Head	1900	38.64	40.00	-3.40	1.41	1.40	0.93
				1850	38.72	40.00	-3.20	1.38	1.40	-1.14
				1920	38.63	40.00	-3.42	1.42	1.40	1.36
D	8/19/2020	1900	Head	1900	38.71	40.00	-3.23	1.39	1.40	-0.50
				1850	38.89	40.00	-2.78	1.36	1.40	-2.57
				1920	38.77	40.00	-3.07	1.41	1.40	0.36

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
E	6/29/2020	5200	Head	5200	35.21	35.99	-2.17	4.52	4.65	-2.77
				5150	35.37	36.05	-1.88	4.44	4.60	-3.43
				5350	34.95	35.82	-2.43	4.70	4.80	-2.24
E	7/6/2020	5200	Head	5200	34.50	35.99	-4.14	4.58	4.65	-1.50
				5150	34.59	36.05	-4.04	4.42	4.60	-3.82
				5350	34.25	35.82	-4.38	4.66	4.80	-2.99
E	7/9/2020	5200	Head	5200	35.17	35.99	-2.28	4.46	4.65	-4.15
				5150	35.29	36.05	-2.10	4.39	4.60	-4.67
				5350	34.91	35.82	-2.54	4.62	4.80	-3.80
E	7/13/2020	5200	Head	5200	35.58	35.99	-1.14	4.70	4.65	0.95
				5150	35.73	36.05	-0.88	4.62	4.60	0.44
				5350	35.29	35.82	-1.48	4.88	4.80	1.47
E	7/17/2020	1900	Head	1900	38.15	40.00	-4.63	1.46	1.40	3.93
				1850	38.25	40.00	-4.38	1.43	1.40	2.14
				1920	38.14	40.00	-4.65	1.47	1.40	4.93
E	7/20/2020	1900	Head	1900	38.12	40.00	-4.70	1.45	1.40	3.71
				1850	38.21	40.00	-4.48	1.43	1.40	1.86
				1920	38.11	40.00	-4.73	1.47	1.40	4.71
E	7/24/2020	1900	Head	1900	39.07	40.00	-2.33	1.45	1.40	3.29
				1850	39.13	40.00	-2.17	1.41	1.40	0.93
				1920	39.06	40.00	-2.35	1.46	1.40	4.50
E	7/28/2020	1900	Head	1900	38.23	40.00	-4.43	1.45	1.40	3.21
				1850	38.36	40.00	-4.10	1.41	1.40	1.00
				1920	38.20	40.00	-4.50	1.46	1.40	4.29
E	8/1/2020	1900	Head	1900	38.04	40.00	-4.90	1.45	1.40	3.29
				1850	38.12	40.00	-4.70	1.42	1.40	1.21
				1920	38.01	40.00	-4.98	1.46	1.40	4.07
E	8/5/2020	1900	Head	1900	38.12	40.00	-4.70	1.46	1.40	3.93
				1850	38.17	40.00	-4.58	1.43	1.40	2.21
				1920	38.05	40.00	-4.88	1.47	1.40	4.79
E	8/9/2020	1900	Head	1900	38.38	40.00	-4.05	1.45	1.40	3.64
				1850	38.43	40.00	-3.93	1.42	1.40	1.50
				1920	38.40	40.00	-4.00	1.46	1.40	4.36
E	8/13/2020	1900	Head	1900	38.86	40.00	-2.85	1.46	1.40	4.36
				1850	38.89	40.00	-2.78	1.43	1.40	2.21
				1920	38.83	40.00	-2.93	1.47	1.40	4.86
E	8/17/2020	1900	Head	1900	41.88	40.00	4.70	1.40	1.40	0.14
				1850	41.94	40.00	4.85	1.37	1.40	-2.29
				1920	41.88	40.00	4.70	1.41	1.40	0.71

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
F	6/29/2020	1750	Head	1750	40.13	40.08	0.11	1.39	1.37	1.24
				1710	40.17	40.15	0.06	1.36	1.35	1.31
				1755	40.11	40.08	0.08	1.39	1.37	1.33
F	7/6/2020	1750	Head	1750	40.64	40.08	1.39	1.36	1.37	-1.02
				1710	40.71	40.15	1.40	1.33	1.35	-1.22
				1755	40.63	40.08	1.38	1.36	1.37	-1.01
F	7/6/2020	1900	Head	1900	40.38	40.00	0.95	1.44	1.40	3.00
				1850	40.45	40.00	1.13	1.41	1.40	0.71
				1920	40.37	40.00	0.92	1.46	1.40	4.07
F	7/9/2020	1750	Head	1750	39.49	40.08	-1.48	1.37	1.37	-0.22
				1710	39.54	40.15	-1.51	1.34	1.35	-0.18
				1755	39.48	40.08	-1.49	1.37	1.37	-0.28
F	7/9/2020	1900	Head	1900	39.28	40.00	-1.80	1.45	1.40	3.57
				1850	39.35	40.00	-1.63	1.42	1.40	1.57
				1920	39.28	40.00	-1.80	1.47	1.40	4.71
F	7/13/2020	1750	Head	1750	40.61	40.08	1.31	1.33	1.37	-3.21
				1710	40.64	40.15	1.23	1.30	1.35	-3.15
				1755	40.60	40.08	1.31	1.33	1.37	-3.19
F	7/13/2020	1900	Head	1900	40.39	40.00	0.98	1.42	1.40	1.07
				1850	40.45	40.00	1.13	1.39	1.40	-1.00
				1920	40.40	40.00	1.00	1.43	1.40	2.29
F	7/16/2020	2300	Head	2300	37.62	39.47	-4.69	1.71	1.66	2.72
				2350	37.53	39.38	-4.71	1.75	1.71	2.18
				2400	37.44	39.30	-4.72	1.77	1.75	1.05
F	7/20/2020	2300	Head	2300	37.84	39.47	-4.14	1.71	1.66	2.78
				2350	37.74	39.38	-4.18	1.74	1.71	2.01
				2400	37.62	39.30	-4.27	1.78	1.75	1.62
F	7/24/2020	2300	Head	2300	38.84	39.47	-1.60	1.72	1.66	3.08
				2350	38.75	39.38	-1.61	1.75	1.71	2.24
				2400	38.66	39.30	-1.62	1.79	1.75	1.96
F	7/28/2020	2300	Head	2300	39.45	39.47	-0.06	1.71	1.66	2.90
				2350	39.35	39.38	-0.09	1.75	1.71	2.36
				2400	39.24	39.30	-0.14	1.79	1.75	2.19
F	8/1/2020	2300	Head	2300	38.69	39.47	-1.98	1.69	1.66	1.40
				2350	38.60	39.38	-1.99	1.72	1.71	0.90
				2400	38.47	39.30	-2.10	1.76	1.75	0.48
F	8/5/2020	2300	Head	2300	37.77	39.47	-4.31	1.72	1.66	3.56
				2350	37.66	39.38	-4.38	1.76	1.71	2.77
				2400	37.57	39.30	-4.39	1.79	1.75	1.96

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
F	8/9/2020	2300	Head	2300	38.84	39.47	-1.60	1.74	1.66	4.82
				2350	38.72	39.38	-1.69	1.78	1.71	4.47
				2400	38.69	39.30	-1.54	1.82	1.75	3.96
F	8/13/2020	2450	Head	2450	38.25	39.20	-2.42	1.77	1.80	-1.78
				2400	38.30	39.30	-2.54	1.73	1.75	-1.41
				2480	38.26	39.16	-2.30	1.78	1.83	-2.97
F	8/13/2020	2600	Head	2600	40.33	39.01	3.38	1.95	1.96	-0.87
				2495	40.44	39.14	3.31	1.86	1.85	0.45
				2690	40.13	38.90	3.17	2.01	2.06	-2.30
F	8/17/2020	2450	Head	2450	38.09	39.20	-2.83	1.75	1.80	-2.72
				2400	38.14	39.30	-2.94	1.71	1.75	-2.55
				2480	38.08	39.16	-2.76	1.76	1.83	-3.95

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
G	6/29/2020	2300	Head	2300	40.24	39.47	1.94	1.62	1.66	-2.87
				2350	40.05	39.38	1.69	1.67	1.71	-2.44
				2400	39.82	39.30	1.33	1.72	1.75	-1.81
G	6/29/2020	2450	Head	2450	39.67	39.20	1.20	1.77	1.80	-1.44
				2400	39.82	39.30	1.33	1.72	1.75	-1.81
				2480	39.61	39.16	1.14	1.80	1.83	-1.66
G	7/6/2020	2300	Head	2300	38.75	39.47	-1.83	1.61	1.66	-3.17
				2350	38.57	39.38	-2.07	1.66	1.71	-2.68
				2400	38.33	39.30	-2.46	1.72	1.75	-1.98
G	7/6/2020	2450	Head	2450	38.18	39.20	-2.60	1.77	1.80	-1.44
				2400	38.33	39.30	-2.46	1.72	1.75	-1.98
				2480	38.12	39.16	-2.66	1.80	1.83	-1.61
G	7/9/2020	2300	Head	2300	40.24	39.47	1.94	1.71	1.66	2.78
				2350	40.06	39.38	1.71	1.76	1.71	3.24
				2400	39.85	39.30	1.41	1.82	1.75	3.79
G	7/9/2020	2450	Head	2450	39.69	39.20	1.25	1.87	1.80	4.00
				2400	39.85	39.30	1.41	1.82	1.75	3.90
				2480	39.63	39.16	1.19	1.90	1.83	3.91
G	7/13/2020	2300	Head	2300	40.12	39.47	1.64	1.69	1.66	1.46
				2350	39.97	39.38	1.49	1.75	1.71	2.24
				2400	39.77	39.30	1.20	1.80	1.75	2.65
G	7/13/2020	2450	Head	2450	39.59	39.20	0.99	1.85	1.80	2.89
				2400	39.77	39.30	1.20	1.80	1.75	2.65
				2480	39.55	39.16	0.99	1.88	1.83	2.81
G	7/16/2020	2450	Head	2450	38.42	39.20	-1.99	1.82	1.80	1.28
				2400	38.59	39.30	-1.80	1.77	1.75	1.10
				2480	38.37	39.16	-2.02	1.86	1.83	1.23
G	7/21/2020	2450	Head	2450	37.35	39.20	-4.72	1.81	1.80	0.67
				2400	37.51	39.30	-4.55	1.76	1.75	0.36
				2480	37.30	39.16	-4.76	1.84	1.83	0.52
G	7/24/2020	2450	Head	2450	37.48	39.20	-4.39	1.86	1.80	3.50
				2400	37.64	39.30	-4.22	1.81	1.75	3.05
				2480	37.43	39.16	-4.42	1.90	1.83	3.41
G	7/28/2020	2450	Head	2450	38.75	39.20	-1.15	1.85	1.80	2.89
				2400	38.91	39.30	-0.98	1.80	1.75	2.76
				2480	38.66	39.16	-1.28	1.88	1.83	2.76
G	8/1/2020	2450	Head	2450	38.79	39.20	-1.05	1.74	1.80	-3.39
				2400	38.95	39.30	-0.88	1.69	1.75	-3.46
				2480	38.68	39.16	-1.23	1.77	1.83	-3.35

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
G	8/5/2020	2450	Head	2450	40.22	39.20	2.60	1.81	1.80	0.28
				2400	40.22	39.30	2.35	1.81	1.75	3.05
				2480	39.95	39.16	2.01	1.90	1.83	3.74
G	8/9/2020	2450	Head	2450	38.25	39.20	-2.42	1.86	1.80	3.22
				2400	38.40	39.30	-2.28	1.80	1.75	2.47
				2480	38.19	39.16	-2.48	1.88	1.83	2.49
G	8/13/2020	2450	Head	2450	38.49	39.20	-1.81	1.80	1.80	-0.17
				2400	38.66	39.30	-1.62	1.74	1.75	-0.66
				2480	38.44	39.16	-1.84	1.82	1.83	-0.79
G	8/18/2020	2450	Head	2450	39.15	39.20	-0.13	1.81	1.80	0.61
				2400	39.33	39.30	0.08	1.75	1.75	0.08
				2480	39.09	39.16	-0.18	1.83	1.83	-0.02

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
H	6/29/2020	5600	Head	5600	34.34	35.53	-3.36	4.88	5.06	-3.54
				5500	34.49	35.65	-3.25	4.76	4.96	-4.01
				5725	34.12	35.39	-3.59	5.01	5.19	-3.36
H	6/29/2020	5800	Head	5800	33.98	35.30	-3.74	5.08	5.27	-3.55
				5700	34.14	35.42	-3.61	4.99	5.16	-3.44
				5850	33.93	35.30	-3.88	5.15	5.27	-2.37
H	7/6/2020	5600	Head	5600	34.94	35.53	-1.67	4.84	5.06	-4.39
				5500	35.09	35.65	-1.57	4.73	4.96	-4.58
				5725	34.75	35.39	-1.81	4.98	5.19	-4.09
H	7/6/2020	5800	Head	5800	34.66	35.30	-1.81	5.05	5.27	-4.10
				5700	34.79	35.42	-1.78	4.95	5.16	-4.21
				5850	34.60	35.30	-1.98	5.09	5.27	-3.36
H	7/9/2020	5600	Head	5600	36.29	35.53	2.13	4.88	5.06	-3.52
				5500	36.42	35.65	2.17	4.77	4.96	-3.75
				5725	36.10	35.39	2.00	5.02	5.19	-3.24
H	7/9/2020	5800	Head	5800	36.02	35.30	2.04	5.10	5.27	-3.28
				5700	36.14	35.42	2.03	4.99	5.16	-3.27
				5850	35.94	35.30	1.81	5.15	5.27	-2.35
H	7/13/2020	5600	Head	5600	34.29	35.53	-3.50	5.00	5.06	-1.13
				5500	34.43	35.65	-3.42	4.90	4.96	-1.23
				5700	34.09	35.39	-3.68	5.15	5.19	-0.83
H	7/13/2020	5800	Head	5800	33.99	35.30	-3.71	5.22	5.27	-0.95
				5700	34.13	35.42	-3.64	5.12	5.16	-0.92
				5850	33.93	35.30	-3.88	5.27	5.27	-0.04
H	7/17/2020	2600	Head	2600	39.56	39.01	1.41	1.96	1.96	-0.11
				2495	39.89	39.14	1.91	1.84	1.85	-0.68
				2690	39.23	38.90	0.86	2.06	2.06	-0.07
H	7/20/2020	2600	Head	2600	39.03	39.01	0.05	2.04	1.96	3.87
				2495	39.36	39.14	0.55	1.91	1.85	3.21
				2690	38.68	38.90	-0.56	2.14	2.06	3.72
H	7/24/2020	5250	Head	5250	36.85	35.93	2.55	4.62	4.70	-1.73
				5150	37.07	36.05	2.84	4.53	4.60	-1.60
				5350	36.67	35.82	2.38	4.72	4.80	-1.76
H	7/24/2020	5600	Head	5600	36.22	35.53	1.93	4.93	5.06	-2.51
				5500	36.38	35.65	2.05	4.83	4.96	-2.68
				5725	36.00	35.39	1.72	5.07	5.19	-2.24
H	7/24/2020	5750	Head	5750	35.94	35.36	1.63	5.10	5.21	-2.28
				5700	36.06	35.42	1.81	5.05	5.16	-2.14
				5850	35.81	35.30	1.44	5.19	5.27	-1.52

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
H	7/28/2020	5250	Head	5250	36.92	35.93	2.75	4.80	4.70	2.08
				5150	37.09	36.05	2.89	4.69	4.60	1.87
				5350	36.73	35.82	2.54	4.92	4.80	2.34
H	7/28/2020	5600	Head	5600	36.39	35.53	2.41	5.18	5.06	2.43
				5500	36.38	35.65	2.05	5.14	4.96	3.61
				5725	36.17	35.39	2.20	5.34	5.19	2.83
H	7/28/2020	5750	Head	5750	36.15	35.36	2.23	5.37	5.21	2.96
				5700	36.22	35.42	2.26	5.31	5.16	2.78
				5850	36.02	35.30	2.04	5.47	5.27	3.85
H	7/31/2020	5250	Head	5250	37.34	35.93	3.92	4.75	4.70	1.02
				5150	37.48	36.05	3.97	4.64	7.60	0.92
				5350	37.19	35.82	3.83	4.86	4.80	1.18
H	7/31/2020	5600	Head	5600	36.82	35.53	3.62	5.12	5.06	1.10
				5500	36.97	35.65	3.71	5.00	4.96	0.93
				5725	36.62	35.39	3.47	5.27	5.19	1.48
H	7/31/2020	5750	Head	5750	36.58	35.36	3.44	5.29	5.21	1.44
				5700	36.67	35.42	3.53	5.23	5.16	1.36
				5850	36.44	35.30	3.23	5.40	5.27	2.39
H	8/3/2020	5250	Head	5250	37.24	35.93	3.64	4.51	4.70	-4.11
				5150	37.38	36.05	3.70	4.43	4.60	-3.67
				5350	37.06	35.82	3.46	4.60	4.80	-4.36
H	8/3/2020	5600	Head	5600	36.77	35.53	3.48	4.93	5.06	-2.63
				5500	37.12	35.65	4.13	4.81	4.96	-3.04
				5725	36.57	35.39	3.33	5.14	5.19	-1.02
H	8/3/2020	5750	Head	5750	36.81	35.36	4.09	5.16	5.21	-1.13
				5700	36.46	35.42	2.94	4.96	5.16	-3.94
				5850	36.37	35.30	3.03	5.34	5.27	1.35
H	8/7/2020	5250	Head	5250	36.93	35.93	2.77	4.70	4.70	0.04
				5150	37.10	36.05	2.92	4.58	4.60	-0.37
				5350	36.75	35.82	2.60	4.81	4.80	0.07
H	8/7/2020	5600	Head	5600	36.49	35.53	2.69	5.08	5.06	0.41
				5500	36.64	35.65	2.78	5.00	4.96	0.79
				5725	36.34	35.39	2.68	5.25	5.19	1.21
H	8/7/2020	5750	Head	5750	36.39	35.36	2.90	5.29	5.21	1.41
				5700	36.35	35.42	2.63	5.19	5.16	0.59
				5850	36.14	35.30	2.38	5.37	5.27	1.80

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
H	8/10/2020	5250	Head	5250	36.89	35.93	2.66	4.54	4.70	-3.49
				5150	37.01	36.05	2.67	4.44	4.60	-3.52
				5350	36.77	35.82	2.65	4.63	4.80	-3.65
H	8/10/2020	5600	Head	5600	36.47	35.53	2.63	4.85	5.06	-4.19
				5500	36.59	35.65	2.64	4.73	4.96	-4.52
				5725	36.30	35.39	2.57	4.96	5.19	-4.47
H	8/10/2020	5750	Head	5750	36.24	35.36	2.48	4.98	5.21	-4.46
				5700	36.31	35.42	2.51	4.93	5.16	-4.45
				5850	36.09	35.30	2.24	5.08	5.27	-3.61
H	8/14/2020	5250	Head	5250	36.80	35.93	2.41	4.62	4.70	-1.66
				5150	36.94	36.05	2.48	4.52	4.60	-1.76
				5350	36.66	35.82	2.35	4.73	4.80	-1.47
H	8/14/2020	5600	Head	5600	36.35	35.53	2.30	4.98	5.06	-1.68
				5500	36.37	35.65	2.03	4.93	4.96	-0.50
				5725	36.16	35.39	2.17	5.12	5.19	-1.31
H	8/14/2020	5750	Head	5750	36.09	35.36	2.06	5.15	5.21	-1.28
				5700	36.19	35.42	2.17	5.09	5.16	-1.50
				5850	35.96	35.30	1.87	5.25	5.27	-0.32
H	8/18/2020	5250	Head	5250	37.14	35.93	3.36	4.88	4.70	3.76
				5150	37.32	36.05	3.53	4.74	4.60	3.03
				5350	36.96	35.82	3.19	4.95	4.80	2.99
H	8/18/2020	5600	Head	5600	36.59	35.53	2.97	5.21	5.06	3.00
				5500	36.73	35.65	3.04	5.13	4.96	3.45
				5725	36.42	35.39	2.91	5.36	5.19	3.25
H	8/18/2020	5750	Head	5750	36.37	35.36	2.85	5.42	5.21	3.86
				5700	36.47	35.42	2.97	5.30	5.16	2.70
				5850	36.22	35.30	2.61	5.48	5.27	3.97

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
1	7/27/2020	2300	Head	2300	37.84	39.47	-4.14	1.71	1.66	2.96
				2350	37.80	39.38	-4.02	1.75	1.71	2.65
				2400	37.79	39.30	-3.83	1.77	1.75	1.05

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
2	7/17/2020	2600	Head	2600	37.74	39.01	-3.26	1.91	1.96	-2.91
				2495	37.70	39.14	-3.69	1.84	1.85	-0.68
				2690	37.46	38.90	-3.70	1.98	2.06	-3.66
2	7/21/2020	2600	Head	2600	39.35	39.01	0.87	1.92	1.96	-2.05
				2495	39.32	39.14	0.45	1.83	1.85	-1.28
				2690	39.11	38.90	0.55	2.00	2.06	-2.94
2	7/25/2020	2600	Head	2600	39.95	39.01	2.41	1.96	1.96	-0.16
				2495	40.06	39.14	2.34	1.87	1.85	0.94
				2690	39.76	38.90	2.22	2.04	2.06	-1.04
2	7/29/2020	2600	Head	2600	39.57	39.01	1.43	1.92	1.96	-1.94
				2495	39.71	39.14	1.45	1.84	1.85	-0.41
				2690	39.40	38.90	1.29	1.99	2.06	-3.37
2	8/1/2020	2600	Head	2600	39.46	39.01	1.15	1.90	1.96	-3.27
				2495	39.57	39.14	1.09	1.81	1.85	-1.87
				2690	39.25	38.90	0.91	1.98	2.06	-3.71
2	8/5/2020	2600	Head	2600	37.14	39.01	-4.80	1.92	1.96	-2.40
				2495	37.26	39.14	-4.81	1.83	1.85	-1.01
				2690	37.02	38.90	-4.83	1.99	2.06	-3.23
2	8/8/2020	2600	Head	2600	40.16	39.01	2.95	1.88	1.96	-3.98
				2495	40.24	39.14	2.80	1.79	1.85	-3.17
				2690	40.00	38.90	2.83	1.97	2.06	-4.20
2	8/10/2020	2450	Head	2450	39.46	39.20	0.66	1.86	1.80	3.44
				2400	39.50	39.30	0.52	1.81	1.75	3.05
				2480	39.48	39.16	0.81	1.87	1.83	1.83
2	8/12/2020	2600	Head	2600	37.66	39.01	-3.46	1.93	1.96	-1.64
				2495	37.68	39.14	-3.74	1.83	1.85	-0.90
				2690	37.44	38.90	-3.75	2.01	2.06	-2.45
2	8/15/2020	2600	Head	2600	37.43	39.01	-4.05	1.92	1.96	-2.40
				2495	37.58	39.14	-3.99	1.83	1.85	-0.95
				2690	37.27	38.90	-4.18	1.98	2.06	-3.81
2	8/19/2020	2600	Head	2600	37.72	39.01	-3.31	1.95	1.96	-0.87
				2495	37.92	39.14	-3.13	1.86	1.85	0.56
				2690	37.52	38.90	-3.54	2.02	2.06	-2.16

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
3	7/17/2020	1750	Head	1750	38.80	40.08	-3.20	1.34	1.37	-2.19
				1710	38.85	40.15	-3.23	1.32	1.35	-2.11
				1755	38.79	40.08	-3.21	1.34	1.37	-2.17
3	7/21/2020	5200	Head	5200	35.19	35.99	-2.22	4.53	4.65	-2.69
				5150	35.23	36.05	-2.27	4.48	4.60	-2.65
				5350	34.88	35.82	-2.62	4.70	4.80	-2.17
3	7/21/2020	5600	Head	5600	34.48	35.53	-2.97	4.95	5.06	-2.12
				5500	34.65	35.65	-2.80	4.84	4.96	-2.38
				5725	34.19	35.39	-3.39	5.12	5.19	-1.33
3	7/21/2020	5800	Head	5800	34.10	35.30	-3.40	5.20	5.27	-1.31
				5700	34.29	35.42	-3.19	5.08	5.16	-1.64
				5850	34.03	35.30	-3.60	5.24	5.27	-0.49
3	7/25/2020	5250	Head	5250	34.73	35.93	-3.35	4.59	4.70	-2.47
				5150	34.95	36.05	-3.04	4.48	4.60	-2.56
				5350	34.60	35.82	-3.40	4.70	4.80	-2.15
3	7/25/2020	5600	Head	5600	34.27	35.53	-3.56	4.95	5.06	-2.24
				5500	34.41	35.65	-3.47	4.84	4.96	-2.44
				5725	34.01	35.39	-3.90	5.10	5.19	-1.72
3	7/25/2020	5800	Head	5800	33.93	35.30	-3.88	5.17	5.27	-1.84
				5700	34.10	35.42	-3.73	5.06	5.16	-1.99
				5850	33.86	35.30	-4.08	5.21	5.27	-1.16
3	7/29/2020	5250	Head	5250	35.73	35.93	-0.57	4.62	4.70	-1.79
				5150	35.90	36.05	-0.41	4.50	4.60	-2.26
				5350	35.54	35.82	-0.78	4.74	4.80	-1.26

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
4	7/17/2020	835	Head	835	41.10	41.50	-0.96	0.91	0.90	1.22
				805	41.21	41.68	-1.13	0.90	0.90	0.75
				850	41.04	41.50	-1.11	0.92	0.92	0.12
4	7/17/2020	750	Head	750	40.84	41.96	-2.67	0.88	0.89	-0.96
				660	40.76	42.42	-3.92	0.87	0.89	-1.52
				800	40.25	41.71	-3.49	0.89	0.90	-1.11
4	7/19/2020	750	Head	750	41.28	41.96	-1.62	0.87	0.89	-2.04
				660	41.22	42.42	-2.84	0.84	0.89	-4.78
				800	41.04	41.71	-1.59	0.89	0.90	-1.02
4	7/21/2020	835	Head	835	40.56	41.50	-2.27	0.93	0.90	3.60
				805	40.58	41.68	-2.64	0.92	0.90	3.01
				850	40.54	41.50	-2.31	0.94	0.92	2.51
4	7/22/2020	750	Head	750	42.54	41.96	1.38	0.92	0.89	2.72
				660	42.47	42.42	0.11	0.90	0.89	1.63
				800	42.15	41.71	1.07	0.94	0.90	4.27
4	7/25/2020	835	Head	835	39.08	41.50	-5.83	0.85	0.90	-6.02
				805	39.05	41.68	-6.31	0.82	0.90	-8.34
				850	39.09	41.50	-5.81	0.85	0.92	-7.10
4	7/27/2020	750	Head	750	41.30	41.96	-1.58	0.87	0.89	-2.23
				660	41.76	42.42	-1.56	0.85	0.89	-4.49
				800	41.35	41.71	-0.85	0.89	0.90	-1.08
4	7/29/2020	835	Head	835	38.60	41.50	-6.99	0.90	0.90	-0.40
				805	38.70	41.68	-7.15	0.89	0.90	-0.86
				850	38.57	41.50	-7.06	0.90	0.92	-1.66
4	7/31/2020	750	Head	750	42.05	41.96	0.21	0.92	0.89	3.45
				660	42.23	42.42	-0.46	0.89	0.89	0.28
				800	41.71	41.71	0.01	0.93	0.90	3.19
4	8/2/2020	835	Head	835	40.84	41.50	-1.59	0.94	0.90	4.00
				805	40.78	41.68	-2.16	0.93	0.90	3.69
				850	40.77	41.50	-1.76	0.94	0.92	2.34
4	8/4/2020	750	Head	750	42.48	41.96	1.24	0.89	0.89	0.20
				660	42.93	42.42	1.19	0.87	0.89	-1.77
				800	42.22	41.71	1.23	0.91	0.90	1.94
4	8/5/2020	835	Head	835	41.20	41.50	-0.72	0.93	0.90	3.46
				805	41.24	41.68	-1.05	0.92	0.90	2.60
				850	41.17	41.50	-0.80	0.94	0.92	2.30
4	8/9/2020	835	Head	835	40.22	41.50	-3.08	0.90	0.90	0.50
				805	40.15	41.68	-3.67	0.89	0.90	-0.88
				850	40.26	41.50	-2.99	0.91	0.92	-0.51
4	8/10/2020	750	Head	750	40.95	41.96	-2.41	0.88	0.89	-1.48
				660	41.04	42.42	-3.26	0.85	0.89	-4.50
				800	40.65	41.71	-2.53	0.90	0.90	-0.11

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
4	8/13/2020	835	Head	835	41.96	41.50	1.11	0.92	0.90	2.11
				805	41.99	41.68	0.75	0.91	0.90	1.40
				850	41.19	41.50	-0.75	0.92	0.92	0.85
4	8/16/2020	750	Head	750	40.43	41.96	-3.65	0.92	0.89	3.32
				660	40.99	42.42	-3.38	0.89	0.89	0.57
				800	40.43	41.71	-3.06	0.94	0.90	4.48
4	8/17/2020	835	Head	835	41.01	41.50	-1.18	0.94	0.90	3.91
				805	41.06	41.68	-1.49	0.93	0.90	3.10
				850	40.99	41.50	-1.23	0.94	0.92	2.60
4	8/17/2020	1750	Head	1750	40.45	40.08	0.91	1.34	1.37	-2.41
				1710	40.52	40.15	0.93	1.32	1.35	-2.33
				1755	40.44	40.08	0.91	1.34	1.37	-2.32
4	8/19/2020	2600	Head	2600	38.48	39.01	-1.36	1.96	1.96	-0.26
				2495	38.64	39.14	-1.29	1.86	1.85	0.67
				2690	38.29	38.90	-1.56	2.03	2.06	-1.43

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
5	7/17/2020	750	Head	750	41.56	41.96	-0.96	0.88	0.89	-1.31
				660	41.52	42.42	-2.13	0.84	0.89	-4.82
				800	41.24	41.71	-1.12	0.89	0.90	-0.47
5	7/17/2020	835	Head	835	41.15	41.50	-0.84	0.90	0.90	0.54
				805	41.23	41.68	-1.08	0.89	0.90	-0.35
				850	41.11	41.50	-0.94	0.91	0.92	-0.37
5	7/19/2020	2600	Head	2600	40.12	39.01	2.84	1.90	1.96	-3.07
				2495	40.22	39.14	2.75	1.82	1.85	-1.33
				2690	39.94	38.90	2.68	1.99	2.06	-3.47
5	7/23/2020	2600	Head	2600	37.88	39.01	-2.90	1.94	1.96	-1.28
				2495	37.97	39.14	-3.00	1.86	1.85	0.34
				2690	37.64	38.90	-3.23	2.02	2.06	-1.72
5	7/27/2020	2600	Head	2600	40.34	39.01	3.41	1.89	1.96	-3.63
				2495	40.49	39.14	3.44	1.79	1.85	-3.12
				2690	40.19	38.90	3.32	1.96	2.06	-4.93
5	7/31/2020	2600	Head	2600	40.76	39.01	4.48	1.90	1.96	-3.37
				2495	40.92	39.14	4.54	1.81	1.85	-2.09
				2690	40.64	38.90	4.48	1.96	2.06	-4.93
5	8/4/2020	2600	Head	2600	37.59	39.01	-3.64	1.95	1.96	-0.67
				2495	37.83	39.14	-3.35	1.83	1.85	-0.90
				2690	37.40	38.90	-3.85	2.00	2.06	-2.74
5	8/10/2020	1900	Head	1900	40.80	40.00	2.00	1.42	1.40	1.43
				1850	40.92	40.00	2.30	1.39	1.40	-0.86
				1920	40.77	40.00	1.93	1.43	1.40	2.29

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
6	7/16/2020	1900	Head	1900	39.23	40.00	-1.93	1.35	1.40	-3.57
				1850	39.21	40.00	-1.98	1.33	1.40	-4.86
				1920	39.17	40.00	-2.08	1.36	1.40	-3.21
6	7/20/2020	1900	Head	1900	41.67	40.00	4.18	1.44	1.40	3.14
				1850	41.74	40.00	4.35	1.42	1.40	1.07
				1920	41.67	40.00	4.18	1.46	1.40	4.21
6	7/24/2020	1900	Head	1900	38.20	40.00	-4.50	1.43	1.40	1.79
				1850	38.30	40.00	-4.25	1.41	1.40	0.50
				1920	38.11	40.00	-4.73	1.44	1.40	2.50
6	7/28/2020	1900	Head	1900	40.26	40.00	0.65	1.39	1.39	-0.64
				1850	40.33	40.00	0.82	1.36	1.36	-2.79
				1920	40.26	40.00	0.65	1.40	1.40	0.29
6	8/1/2020	1900	Head	1900	38.22	40.00	-4.45	1.45	1.40	3.29
				1850	38.33	40.00	-4.18	1.41	1.40	0.79
				1920	38.19	40.00	-4.53	1.45	1.40	3.71
6	8/5/2020	1900	Head	1900	38.37	40.00	-4.08	1.45	1.40	3.71
				1850	38.43	40.00	-3.93	1.43	1.40	1.79
				1920	38.33	40.00	-4.18	1.46	1.40	4.21
6	8/10/2020	1900	Head	1900	38.87	40.00	-2.83	1.43	1.40	2.43
				1850	38.93	40.00	-2.68	1.41	1.40	0.79
				1920	38.85	40.00	-2.88	1.45	1.40	3.79
6	8/11/2020	1900	Head	1900	39.06	40.00	-2.35	1.44	1.40	2.50
				1850	39.16	40.00	-2.10	1.41	1.40	0.86
				1920	39.01	40.00	-2.48	1.45	1.40	3.21

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
8	7/28/2020	2600	Head	2600	38.62	39.01	-1.00	1.92	1.96	-2.05
				2495	39.09	39.14	-0.14	1.86	1.85	0.61
				2690	38.67	38.90	-0.58	2.03	2.06	-1.67
8	8/3/2020	2600	Head	2600	39.96	39.01	2.43	1.94	1.96	-1.33
				2495	40.11	39.14	2.47	1.85	1.85	-0.09
				2690	39.78	38.90	2.27	2.02	2.06	-1.92
8	8/7/2020	835	Head	835	40.44	41.50	-2.55	0.89	0.90	-1.27
				805	40.46	41.68	-2.93	0.88	0.90	-2.32
				850	40.42	41.50	-2.60	0.89	0.92	-2.20
8	8/10/2020	835	Head	835	39.56	41.50	-4.67	0.91	0.90	1.01
				805	39.61	41.68	-4.97	0.90	0.90	0.37
				850	39.51	41.50	-4.80	0.91	0.92	-0.07

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L1	7/16/2020	3500	Head	3500	38.01	37.93	0.21	2.90	2.91	-0.43
				3400	38.14	38.04	0.25	2.81	2.81	0.10
				3600	37.68	37.82	-0.36	3.00	3.01	-0.59
L1	7/16/2020	3700	Head	3700	37.46	37.70	-0.64	3.09	3.12	-0.84
				3500	38.01	37.93	0.21	2.90	2.91	-0.43
				3600	37.68	37.82	-0.36	3.00	3.01	-0.59
L1	7/20/2020	1900	Head	1900	41.77	40.00	4.43	1.41	1.40	0.79
				1850	41.85	40.00	4.63	1.35	1.40	-3.86
				1920	41.88	40.00	4.70	1.41	1.40	0.71
L1	7/20/2020	3500	Head	3500	37.51	37.93	-1.11	2.80	2.91	-3.87
				3700	37.03	37.70	-1.78	2.97	3.12	-4.60
				3600	37.23	37.82	-1.55	2.89	3.01	-4.18
L1	7/24/2020	1900	Head	1900	40.06	40.00	0.15	1.42	1.40	1.29
				1850	40.10	40.00	0.25	1.38	1.40	-1.14
				1920	40.01	40.00	0.02	1.43	1.40	1.86
L1	7/24/2020	3500	Head	3500	36.93	37.93	-2.64	2.98	2.91	2.32
				3700	36.39	37.70	-3.48	3.08	3.12	-1.26
				3600	36.44	37.82	-3.64	3.03	3.01	0.50
L1	7/29/2020	3500	Head	3500	39.10	37.93	3.09	3.02	2.91	3.69
				3700	38.49	37.70	2.09	3.18	3.12	1.92
				3600	38.63	37.82	2.15	3.10	3.01	2.89
L1	7/30/2020	2300	Head	2300	38.88	39.47	-1.50	1.67	1.66	0.14
				2350	38.81	39.38	-1.46	1.71	1.71	-0.16
				2400	38.75	39.30	-1.39	1.74	1.75	-0.72
L1	8/3/2020	2300	Head	2300	40.05	39.47	1.46	1.69	1.66	1.40
				2350	39.93	39.38	1.38	1.72	1.71	0.72
				2400	39.83	39.30	1.36	1.75	1.75	0.02
L1	8/4/2020	3500	Head	3500	37.48	37.93	-1.19	2.90	2.91	-0.40
				3600	37.21	37.82	-1.60	3.00	3.01	-0.39
				3700	36.90	37.70	-2.13	3.11	3.12	-0.14
L1	8/6/2020	3500	Head	3500	38.92	37.93	2.61	2.78	2.91	-4.59
				3700	38.51	37.70	2.14	3.00	3.12	-3.63
				3600	38.71	37.82	2.37	2.89	3.01	-4.08
L1	8/10/2020	3500	Head	3500	39.67	37.93	4.59	2.81	2.91	-3.42
				3700	39.35	37.70	4.37	2.97	3.12	-4.63
				3600	39.55	37.82	4.59	2.89	3.01	-4.01
L1	8/14/2020	3500	Head	3500	38.99	37.93	2.80	2.86	2.91	-1.87
				3700	38.68	37.70	2.60	3.05	3.12	-2.06
				38.85	38.85	37.82	2.74	2.95	3.01	-2.02
L1	8/19/2020	3500	Head	3500	39.40	37.93	3.88	2.90	2.91	-0.54
				3700	39.02	37.70	3.50	3.10	3.12	-0.65
				3600	39.20	37.82	3.66	3.00	3.01	-0.59

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L2	7/16/2020	5200	Head	5200	35.16	35.99	-2.31	4.69	4.65	0.73
				5150	35.18	36.05	-2.41	4.65	4.60	1.05
				5350	34.90	35.82	-2.57	4.86	4.80	1.16
L2	7/16/2020	5600	Head	5600	34.47	35.53	-2.99	5.08	5.06	0.35
				5500	34.63	35.65	-2.86	4.98	4.96	0.45
				5725	34.18	35.39	-3.42	5.26	5.19	1.31
L2	7/16/2020	5800	Head	5800	34.02	35.30	-3.63	5.35	5.27	1.50
				5700	34.29	35.42	-3.19	5.22	5.16	1.13
				5850	34.04	35.30	-3.57	5.41	5.27	2.62
L2	7/21/2020	5200	Head	5200	35.43	35.99	-1.56	4.44	4.65	-4.64
				5150	35.49	36.05	-1.55	4.38	4.60	-4.74
				5350	35.13	35.82	-1.92	4.60	4.80	-4.26
L2	7/21/2020	5600	Head	5600	34.76	35.53	-2.18	4.86	5.06	-4.02
				5500	34.92	35.65	-2.04	4.74	4.96	-4.44
				5725	34.47	35.39	-2.60	5.02	5.19	-3.30
L2	7/21/2020	5800	Head	5800	34.39	35.30	-2.58	5.10	5.27	-3.30
				5700	34.56	35.42	-2.43	4.98	5.16	-3.63
				5850	34.32	35.30	-2.78	5.14	5.27	-2.50
L2	7/25/2020	5200	Head	5200	36.42	35.99	1.19	4.46	4.65	-4.15
				5150	36.52	36.05	1.31	4.40	4.60	-4.45
				5350	36.19	35.82	1.04	4.64	4.80	-3.44
L2	7/25/2020	5600	Head	5600	35.90	35.53	1.03	4.88	5.06	-3.54
				5500	36.04	35.65	1.10	4.76	4.96	-3.91
				5725	35.67	35.39	0.79	5.04	5.19	-2.95
L2	7/25/2020	5800	Head	5800	35.58	35.30	0.79	5.11	5.27	-3.11
				5700	35.77	35.42	0.99	4.99	5.16	-3.28
				5850	35.49	35.30	0.54	5.17	5.27	-1.92
L2	7/29/2020	5200	Head	5200	35.98	35.99	-0.03	4.43	4.65	-4.75
				5150	36.02	36.05	-0.08	4.38	4.60	-4.76
				5350	35.68	35.82	-0.39	4.61	4.80	-4.15
L2	7/29/2020	5600	Head	5600	35.30	35.53	-0.66	4.86	5.06	-3.96
				5500	35.47	35.65	-0.50	4.74	4.96	-4.31
				5725	35.04	35.39	-0.99	5.03	5.19	-3.13
L2	7/29/2020	5800	Head	5800	34.92	35.30	-1.08	5.11	5.27	-3.09
				5700	35.13	35.42	-0.82	4.99	5.16	-3.42
				5850	34.85	35.30	-1.27	5.15	5.27	-2.22
L2	8/1/2020	5200	Head	5200	34.97	35.99	-2.83	4.46	4.65	-4.02
				5150	35.01	36.05	-2.88	4.43	4.60	-3.78
				5350	34.66	35.82	-3.24	4.64	4.80	-3.49

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L2	8/1/2020	5600	Head	5600	34.27	35.53	-3.56	4.89	5.06	-3.46
				5500	34.43	35.65	-3.42	4.78	4.96	-3.65
				5725	34.01	35.39	-3.90	5.05	5.19	-2.64
L2	8/1/2020	5800	Head	5800	33.93	35.30	-3.88	5.13	5.27	-2.68
				5700	34.10	35.42	-3.73	5.02	5.16	-2.86
				5850	33.85	35.30	-4.11	5.17	5.27	-1.92
L2	8/6/2020	5200	Head	5200	37.22	35.99	3.42	4.61	4.65	-0.88
				5150	37.26	36.05	3.36	4.56	4.60	-0.78
				5350	36.96	35.82	3.19	4.78	4.80	-0.61
L2	8/6/2020	5600	Head	5600	36.26	35.53	2.04	5.08	5.06	0.39
				5500	36.53	35.65	2.47	4.94	4.96	-0.38
				5725	35.89	35.39	1.41	5.26	5.19	1.46
L2	8/6/2020	5800	Head	5800	35.80	35.30	1.42	5.36	5.27	1.75
				5700	36.00	35.42	1.64	5.22	5.16	1.09
				5850	35.77	35.30	1.33	5.41	5.27	2.64
L2	8/10/2020	5200	Head	5200	35.30	35.99	-1.92	4.58	4.65	-1.63
				5150	35.34	36.05	-1.96	4.53	4.60	-1.58
				5350	35.00	35.82	-2.29	4.75	4.80	-1.05
L2	8/10/2020	5600	Head	5600	34.60	35.53	-2.63	5.00	5.06	-1.17
				5500	34.76	35.65	-2.49	4.89	4.96	-1.35
				5725	34.32	35.39	-3.03	5.17	5.19	-0.43
L2	8/10/2020	5800	Head	5800	34.22	35.30	-3.06	5.24	5.27	-0.49
				5700	34.42	35.42	-2.82	5.13	5.16	-0.63
				5850	34.18	35.30	-3.17	5.29	5.27	0.34
L2	8/14/2020	5200	Head	5200	35.23	35.99	-2.11	4.54	4.65	-2.36
				5150	35.24	36.05	-2.24	4.52	4.60	-1.67
				5350	34.85	35.82	-2.71	4.68	4.80	-2.51
L2	8/14/2020	5600	Head	5600	34.24	35.53	-3.64	4.94	5.06	-2.40
				5500	34.45	35.65	-3.36	4.83	4.96	-2.58
				5725	33.89	35.39	-4.24	5.13	5.19	-1.20
L2	8/14/2020	5800	Head	5800	33.87	35.30	-4.05	5.23	5.27	-0.85
				5700	34.00	35.42	-4.01	5.09	5.16	-1.35
				5850	33.75	35.30	-4.39	5.26	5.27	-0.28
L2	8/18/2020	5200	Head	5200	35.78	35.99	-0.58	4.59	4.65	-1.25
				5150	35.91	36.05	-0.38	4.53	4.60	-1.63
				5350	35.52	35.82	-0.83	4.77	4.80	-0.80
L2	8/18/2020	5600	Head	5600	35.09	35.53	-1.25	5.05	5.06	-0.30
				5500	35.27	35.65	-1.06	4.93	4.96	-0.62
				5725	34.86	35.39	-1.50	5.20	5.19	0.25
L2	8/18/2020	5800	Head	5800	34.73	35.30	-1.61	5.28	5.27	0.23
				5700	34.90	35.42	-1.47	5.16	5.16	0.03
				5850	34.63	35.30	-1.90	5.34	5.27	1.35
L2	8/19/2020	2600	Head	2600	37.85	39.01	-2.98	1.94	1.96	-0.98
				2495	37.95	39.14	-3.05	1.84	1.85	-0.36
				2690	37.68	38.90	-3.13	2.02	2.06	-2.06

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L3	7/16/2020	1750	Head	1750	40.48	40.08	0.99	1.33	1.37	-2.99
				1710	40.51	40.15	0.91	1.31	1.35	-2.85
				1755	40.48	40.08	1.01	1.33	1.37	-2.97
L3	7/20/2020	1750	Head	1750	39.47	40.08	-1.53	1.36	1.37	-0.44
				1710	39.62	40.15	-1.31	1.32	1.35	-2.26
				1755	39.49	40.08	-1.46	1.37	1.37	-0.35
L3	7/25/2020	1750	Head	1750	38.95	40.08	-2.83	1.32	1.37	-3.65
				1710	39.02	40.15	-2.81	1.30	1.35	-3.15
				1755	38.94	40.08	-2.84	1.32	1.37	-3.70
L3	7/29/2020	1750	Head	1750	38.17	40.08	-4.78	1.36	1.37	-0.51
				1710	38.27	40.15	-4.67	1.34	1.35	-0.18
				1755	38.17	40.08	-4.76	1.37	1.37	-0.50
L3	8/1/2020	1750	Head	1750	40.42	40.08	0.84	1.35	1.37	-1.53
				1710	40.48	40.15	0.83	1.33	1.35	-1.44
				1755	40.42	40.08	0.86	1.35	1.37	-1.44
L3	8/5/2020	2600	Head	2600	40.16	39.01	2.95	1.98	1.96	0.81
				2495	40.35	39.14	3.08	1.87	1.85	1.37
				2690	40.02	38.90	2.89	2.05	2.06	-0.31
L3	8/8/2020	2600	Head	2600	39.49	39.01	1.23	1.91	1.96	-2.71
				2495	39.59	39.14	1.14	1.82	1.85	-1.82
				2690	39.28	38.90	0.98	2.01	2.06	-2.64
L3	8/11/2020	1750	Head	1750	40.13	40.08	0.11	1.38	1.37	0.66
				1710	40.21	40.15	0.16	1.36	1.35	0.94
				1755	40.13	40.08	0.13	1.38	1.37	0.67
L3	8/11/2020	2300	Head	2300	40.48	39.47	2.55	1.73	1.66	3.80
				2350	40.36	39.38	2.48	1.77	1.71	3.82
				2400	40.23	39.30	2.37	1.81	1.75	3.27
L3	8/12/2020	2600	Head	2600	37.81	39.01	-3.08	2.01	1.96	2.34
				2495	37.88	39.14	-3.23	1.90	1.85	2.99
				2690	37.56	38.90	-3.44	2.09	2.06	1.48
L3	8/16/2020	2600	Head	2600	39.22	39.01	0.54	1.91	1.96	-2.56
				2495	39.38	39.14	0.60	1.82	1.85	-1.44
				2690	39.02	38.90	0.32	1.98	2.06	-3.86

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L4	7/16/2020	3500	Head	3500	38.61	37.93	1.79	2.95	2.91	1.18
				3700	38.10	37.70	1.06	3.13	3.12	0.54
				3600	38.30	37.82	1.28	3.05	3.01	1.13
L4	7/20/2020	3500	Head	3500	37.30	37.93	-1.66	2.90	2.91	-0.33
				3600	36.93	37.82	-2.34	2.97	3.01	-1.46
				3700	36.73	37.70	-2.58	3.04	3.12	-2.51
L4	7/20/2020	1900	Head	1900	40.32	40.00	0.80	1.43	1.40	2.00
				1850	40.36	40.00	0.90	1.40	1.40	-0.29
				1920	40.24	40.00	0.60	1.45	1.40	3.50
L4	7/24/2020	1900	Head	1900	38.49	40.00	-3.78	1.39	1.40	-0.64
				1850	38.51	40.00	-3.73	1.36	1.40	-2.64
				1920	38.45	40.00	-3.87	1.40	1.40	-0.14
L4	7/24/2020	3500	Head	3500	38.16	37.93	0.61	3.02	2.91	3.62
				3600	37.68	37.82	-0.36	3.08	3.01	2.33
				3700	37.64	37.70	-0.16	3.13	3.12	0.31
L4	7/28/2020	1900	Head	1900	38.97	40.00	-2.58	1.43	1.40	2.29
				1850	39.03	40.00	-2.43	1.41	1.40	0.50
				1920	38.93	40.00	-2.68	1.44	1.40	2.79
L4	7/28/2020	3500	Head	3700	37.01	37.70	-1.83	3.00	3.12	-3.73
				3600	37.25	37.82	-1.50	2.91	3.01	-3.51
				3500	37.39	37.93	-1.42	2.80	2.91	-3.76
L4	8/1/2020	1900	Head	1900	40.21	40.00	0.53	1.41	1.40	0.64
				1850	40.26	40.00	0.65	1.36	1.40	-2.93
				1920	40.22	40.00	0.55	1.41	1.40	0.79
L4	8/3/2020	3500	Head	3500	39.67	37.93	4.59	2.80	2.91	-4.00
				3600	39.47	37.82	4.38	2.91	3.01	-3.38
				3700	39.30	37.70	4.24	3.03	3.12	-2.93
L4	8/6/2020	1900	Head	1900	40.14	40.00	0.35	1.44	1.40	3.07
				1850	40.23	40.00	0.57	1.42	1.40	1.43
				1920	40.06	40.00	0.15	1.45	1.40	3.86
L4	8/10//2020	3500	Head	3500	39.70	37.93	4.67	2.82	2.91	-3.15
				3600	39.49	37.82	4.43	2.93	3.01	-2.95
				3700	39.31	37.70	4.27	3.03	3.12	-2.83
L4	8/10//2020	1900	Head	1900	39.27	40.00	-1.82	1.43	1.40	2.38
				1850	39.37	40.00	-1.58	1.40	1.40	-0.14
				1920	39.24	40.00	-1.90	1.45	1.40	3.21
L4	8/12/2020	1750	Head	1750	38.32	40.08	-4.40	1.39	1.37	1.32
				1710	38.39	40.15	-4.37	1.34	1.35	-0.70
				1755	38.33	40.08	-4.36	1.40	1.37	1.69
L4	8/15/2020	1750	Head	1750	38.74	40.08	-3.35	1.34	1.37	-2.48
				1710	38.79	40.15	-3.38	1.31	1.35	-3.00
				1755	38.73	40.08	-3.36	1.34	1.37	-2.68
L4	8/19/2020	2600	Head	2600	37.16	39.01	-4.74	1.96	1.96	-0.37
				2495	37.39	39.14	-4.48	1.86	1.85	0.56
				2690	36.96	38.90	-4.98	2.03	2.06	-1.67

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L6	7/17/2020	1750	Head	1750	39.62	40.08	-1.16	1.35	1.37	-1.61
				1710	39.68	40.15	-1.16	1.33	1.35	-1.37
				1755	39.60	40.08	-1.19	1.35	1.37	-1.66
L6	7/21/2020	1750	Head	1750	39.28	40.08	-2.01	1.32	1.37	-3.72
				1710	39.29	40.15	-2.13	1.30	1.35	-3.37
				1755	39.27	40.08	-2.01	1.32	1.37	-3.56
L6	7/27/2020	1750	Head	1750	38.88	40.08	-3.01	1.38	1.37	1.10
				1710	38.93	40.15	-3.03	1.39	1.35	3.31
				1755	38.88	40.08	-2.99	1.38	1.37	0.89
L6	7/31/2020	1750	Head	1750	39.36	40.08	-1.81	1.33	1.37	-3.14
				1710	39.46	40.15	-1.71	1.31	1.35	-2.78
				1755	39.36	40.08	-1.79	1.33	1.37	-3.05
L6	8/3/2020	2450	Head	2450	38.25	39.20	-2.42	1.73	1.80	-3.83
				2400	38.29	39.30	-2.56	1.69	1.75	-3.29
				2480	38.16	39.16	-2.56	1.74	1.83	-4.83
L6	8/5/2020	1750	Head	1750	38.25	40.08	-4.58	1.36	1.37	-0.36
				1710	38.27	40.15	-4.67	1.35	1.35	0.04
				1755	38.25	40.08	-4.56	1.37	1.37	-0.35
L6	8/7/2020	750	Head	750	40.20	41.96	-4.20	0.89	0.89	-0.24
				660	40.74	42.42	-3.97	0.89	0.89	0.74
				800	40.26	41.71	-3.47	0.90	0.90	0.80

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 $\pm 10\%$ 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 Date	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 $\pm 10\%$	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta $\pm 10\%$	
A	6/29/2020	Head	D2600V2 SN:1036	4/17/2021	6.000	60.00	56.53	6.14	2.700	27.00	25.23	7.02	
A	7/6/2020	Head	D2600V2 SN:1036	4/17/2021	5.900	59.00	56.53	4.37	2.670	26.70	25.23	5.83	
A	7/9/2020	Head	D2600V2 SN:1036	4/17/2021	5.990	59.90	56.53	5.96	2.680	26.80	25.23	6.22	
A	7/13/2020	Head	D2600V2 SN:1036	4/17/2021	5.810	58.10	56.53	2.78	2.600	26.00	25.23	3.05	
A	7/17/2020	Head	D3500V2 SN:1060	3/12/2021	7.060	70.60	64.89	8.80	2.700	27.00	24.80	8.87	1,2
A	7/17/2020	Head	D3700V2 SN:1039	5/11/2021	6.330	63.30	67.00	-5.52	2.330	23.30	24.10	-3.32	
A	7/21/2020	Head	D3500V2 SN:1060	3/12/2021	6.190	61.90	64.89	-4.61	2.380	23.80	24.80	-4.03	
A	7/21/2020	Head	D3700V2 SN:1039	5/11/2021	6.600	66.00	67.00	-1.49	2.450	24.50	24.10	1.66	
A	7/25/2020	Head	D3500V2 SN:1060	3/12/2021	6.090	60.90	64.89	-6.15	2.350	23.50	24.80	-5.24	
A	7/25/2020	Head	D3700V2 SN:1039	5/11/2021	6.250	62.50	67.00	-6.72	2.320	23.20	24.10	-3.73	3,4
A	7/25/2020	Head	D2600V2 SN:1006	10/14/2020	5.570	55.70	55.70	0.00	2.490	24.90	25.10	-0.80	
A	7/28/2020	Head	D3500V2 SN:1060	3/12/2021	6.670	66.70	64.89	2.79	2.560	25.60	24.80	3.23	
A	7/28/2020	Head	D3700V2 SN:1039	5/11/2021	6.770	67.70	67.00	1.04	2.520	25.20	24.10	4.56	
A	7/29/2020	Head	D2600V2 SN:1006	10/14/2020	5.740	57.40	55.70	3.05	2.560	25.60	25.10	1.99	
A	8/2/2020	Head	D2600V2 SN:1006	10/14/2020	5.510	55.10	55.70	-1.08	2.460	24.60	25.10	-1.99	
A	8/4/2020	Head	D3500V2 SN:1060	3/12/2021	6.960	69.60	64.89	7.26	2.670	26.70	24.80	7.66	
A	8/4/2020	Head	D3700V2 SN:1039	5/11/2021	7.100	71.00	67.00	5.97	2.630	26.30	24.10	9.13	
A	8/6/2020	Head	D2600V2 SN:1006	10/14/2020	5.930	59.30	55.70	6.46	2.660	26.60	25.10	5.98	
A	8/9/2020	Head	D2600V2 SN:1006	10/14/2020	6.010	60.10	55.70	7.90	2.680	26.80	25.10	6.77	5,6
A	8/11/2020	Head	D1900V2 SN:5d140	4/21/2021	4.180	41.80	38.77	7.82	2.130	21.30	19.90	7.04	7,8
A	8/13/2020	Head	D2600V2 SN:1036	4/17/2021	6.130	61.30	56.53	8.44	2.750	27.50	25.23	9.00	9,10
A	8/18/2020	Head	D2600V2 SN:1036	4/17/2021	5.330	53.30	56.53	-5.71	2.370	23.70	25.23	-6.06	
A	8/19/2020	Head	D3700V2 SN:1039	5/11/2021	6.910	69.10	67.00	3.13	2.580	25.80	24.10	7.05	
A	8/19/2020	Head	D3900V2 SN:1052	8/3/2021	7.120	71.20	70.10	1.57	2.540	25.40	24.30	4.53	11,12

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Date	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 %	
B	6/29/2020	Head	D750V3 SN:1071	11/20/2020	0.869	8.69	8.52	2.00	0.574	5.74	5.56	3.24	
B	7/1/2020	Head	D3500V2 SN:1060	3/12/2021	6.410	64.10	64.89	-1.22	2.520	25.20	24.80	1.61	
B	7/6/2020	Head	D3500V2 SN:1060	3/12/2021	6.660	66.60	64.89	2.64	2.610	26.10	24.80	5.24	
B	7/6/2020	Head	D3700V2 SN:1039	5/11/2021	6.380	63.80	67.00	-4.78	2.460	24.60	24.10	2.07	
B	7/6/2020	Head	D750V3 SN:1071	11/20/2020	0.891	8.91	8.52	4.58	0.591	5.91	5.56	6.29	13,14
B	7/10/2020	Head	D3500V2 SN:1011	4/17/2021	6.820	68.20	68.87	-0.97	2.630	26.30	26.47	-0.64	
B	7/10/2020	Head	D3700V2 SN:1039	5/11/2021	6.750	67.50	67.00	0.75	2.510	25.10	24.10	4.15	
B	7/13/2020	Head	D3500V2 SN:1060	3/12/2021	6.410	64.10	64.89	-1.22	2.440	24.40	24.80	-1.61	
B	7/13/2020	Head	D3700V2 SN:1039	5/11/2021	6.910	69.10	67.00	3.13	2.570	25.70	24.10	6.64	
B	7/13/2020	Head	D750V3 SN:1071	11/20/2020	0.887	8.87	8.52	4.11	0.585	5.85	5.56	5.22	
B	7/17/2020	Head	D3500V2 SN:1060	3/12/2021	6.580	65.80	64.89	1.40	2.520	25.20	24.80	1.61	
B	7/17/2020	Head	D3700V2 SN:1039	5/11/2021	6.770	67.70	67.00	1.04	2.530	25.30	24.10	4.98	
B	7/20/2020	Head	D3500V2 SN:1011	4/17/2021	6.610	66.10	68.87	-4.02	2.530	25.30	26.47	-4.42	
B	7/20/2020	Head	D3700V2 SN:1039	5/11/2021	6.620	66.20	67.00	-1.19	2.470	24.70	24.10	2.49	
B	7/25/2020	Head	D3500V2 SN:1060	3/12/2021	6.640	66.40	64.89	2.33	2.570	25.70	24.80	3.63	
B	7/25/2020	Head	D3700V2 SN:1039	5/11/2021	7.090	70.90	67.00	5.82	2.650	26.50	24.10	9.96	15,16
B	7/29/2020	Head	D3700V2 SN:1039	5/11/2021	7.010	70.10	67.00	4.63	2.620	26.20	24.10	8.71	
B	7/29/2020	Head	D3500V2 SN:1060	3/12/2021	6.610	66.10	64.89	1.86	2.560	25.60	24.80	3.23	
B	8/2/2020	Head	D3500V2 SN:1060	3/12/2021	6.820	68.20	64.89	5.10	2.660	26.60	24.80	7.26	
B	8/2/2020	Head	D3700V2 SN:1039	5/11/2021	6.660	66.60	67.00	-0.60	2.510	25.10	24.10	4.15	
B	8/6/2020	Head	D3500V2 SN:1060	3/12/2021	6.030	60.30	64.89	-7.07	2.360	23.60	24.80	-4.84	17,18
B	8/6/2020	Head	D3700V2 SN:1039	5/11/2021	6.410	64.10	67.00	-4.33	2.430	24.30	24.10	0.83	
B	8/10/2020	Head	D3500V2 SN:1060	3/12/2021	6.060	60.60	64.89	-6.61	2.380	23.80	24.80	-4.03	
B	8/10/2020	Head	D3700V2 SN:1039	5/11/2021	6.640	66.40	67.00	-0.90	2.500	25.00	24.10	3.73	
B	8/11/2020	Head	D3900V2 SN:1052	8/3/2021	7.350	73.50	70.10	4.85	2.640	26.40	24.30	8.64	
B	8/14/2020	Head	D3500V2 SN:1060	3/12/2021	6.750	67.50	64.89	4.02	2.650	26.50	24.80	6.85	
B	8/14/2020	Head	D3700V2 SN:1039	5/11/2021	6.82	68.20	67.00	1.79	2.60	26.00	24.10	7.88	
B	8/14/2020	Head	D3900V2 SN:1052	8/3/2021	7.040	70.40	70.10	0.43	2.570	25.70	24.30	5.76	
B	8/18/2020	Head	D3900V2 SN:1052	8/3/2021	7.380	73.80	70.10	5.28	2.670	26.70	24.30	9.88	19,20
B	8/19/2020	Head	D3500V2 SN:1011	4/17/2021	7.540	75.40	68.87	9.48	2.910	29.10	26.47	9.94	21,22
B	8/19/2020	Head	D3700V2 SN:1039	5/11/2021	6.650	66.50	67.00	-0.75	2.550	25.50	24.10	5.81	

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 %	
C	7/17/2020	Head	D750V3 SN:1071	11/20/2020	0.886	8.86	8.52	3.99	0.583	5.83	5.56	4.86	
C	7/17/2020	Head	D835V2 SN:4d142	8/23/2020	1.000	10.00	9.61	4.06	0.654	6.54	6.22	5.14	
C	7/20/2020	Head	D750V3 SN:1071	11/20/2020	0.855	8.55	8.52	0.35	0.561	5.61	5.56	0.90	
C	7/20/2020	Head	D835V2 SN:4d142	8/23/2020	1.040	10.40	9.61	8.22	0.672	6.72	6.22	8.04	
C	7/23/2020	Head	D750V3 SN:1071	11/20/2020	0.836	8.36	8.52	-1.88	0.547	5.47	5.56	-1.62	
C	7/23/2020	Head	D835V2 SN:4d142	8/23/2020	0.957	9.57	9.61	-0.42	0.623	6.23	6.22	0.16	
C	7/27/2020	Head	D750V3 SN:1071	11/20/2020	0.858	8.58	8.52	0.70	0.558	5.58	5.56	0.36	
C	7/27/2020	Head	D835V2 SN:4d142	8/23/2020	0.966	9.66	9.61	0.52	0.623	6.23	6.22	0.16	
C	7/31/2020	Head	D750V3 SN:1071	11/20/2020	0.835	8.35	8.52	-2.00	0.542	5.42	5.56	-2.52	
C	7/31/2020	Head	D835V2 SN:4d142	8/23/2020	1.050	10.50	9.61	9.26	0.639	6.39	6.22	2.73	23,24
C	8/2/2020	Head	D1900V2 SN:5d140	4/21/2021	3.980	39.80	38.77	2.66	2.040	20.40	19.90	2.51	
C	8/4/2020	Head	D750V3 SN:1071	11/20/2020	0.862	8.62	8.52	1.17	0.561	5.61	5.56	0.90	
C	8/4/2020	Head	D835V2 SN:4d142	8/23/2020	1.010	10.10	9.61	5.10	0.656	6.56	6.22	5.47	
C	8/6/2020	Head	D1900V2 SN:5d140	4/21/2021	3.940	39.40	38.77	1.62	2.060	20.60	19.90	3.52	
C	8/8/2020	Head	D750V3 SN:1071	11/20/2020	0.853	8.53	8.52	0.12	0.552	5.52	5.56	-0.72	
C	8/8/2020	Head	D835V2 SN:4d142	8/23/2020	0.955	9.55	9.61	-0.62	0.580	5.80	6.22	-6.75	
C	8/10/2020	Head	D1900V2 SN:5d140	4/21/2021	4.160	41.60	38.77	7.30	2.140	21.40	19.90	7.54	25,26
C	8/12/2020	Head	D750V3 SN:1071	11/20/2020	0.899	8.99	8.52	5.52	0.583	5.83	5.56	4.86	
C	8/12/2020	Head	D835V2 SN:4d002	11/20/2020	1.030	10.30	9.78	5.32	0.663	6.63	6.37	4.08	
C	8/16/2020	Head	D750V3 SN:1071	11/20/2020	0.937	9.37	8.52	9.98	0.610	6.10	5.56	9.71	27,28
C	8/16/2020	Head	D835V2 SN:4d002	11/20/2020	1.060	10.60	9.78	8.38	0.682	6.82	6.37	7.06	29,30
C	8/17/2020	Head	D1750V2 SN:1053	10/10/2020	3.440	34.40	37.20	-7.53	1.830	18.30	19.60	-6.63	31,32
C	8/20/2020	Head	D750V3 SN:1071	11/20/2020	0.911	9.11	8.52	6.92	0.592	5.92	5.56	6.47	
C	8/20/2020	Head	D835V2 SN:4d002	11/20/2020	1.060	10.60	9.78	8.38	0.641	6.41	6.37	0.63	
C	8/21/2020	Head	D2300V2 SN:1002	4/17/2021	5.410	54.10	49.76	8.72	2.590	25.90	23.64	9.56	33,34
C	8/24/2020	Head	D1750V2 SN:1050	4/21/2021	3.310	33.10	35.51	-6.79	1.870	18.70	18.91	-1.11	35,36

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	6/29/2020	Head	D835V2 SN:4d142	8/23/2020	0.931	9.31	9.61	-3.12	0.610	6.10	6.22	-1.93	
D	7/1/2020	Head	D750V3 SN:1071	11/20/2020	0.788	7.88	8.52	-7.51	0.517	5.17	5.56	-7.01	
D	7/6/2020	Head	D750V3 SN:1071	11/20/2020	0.774	7.74	8.52	-9.15	0.512	5.12	5.56	-7.91	37,38
D	7/7/2020	Head	D835V2 SN:4d142	8/23/2020	0.990	9.90	9.61	3.02	0.648	6.48	6.22	4.18	39,40
D	7/9/2020	Head	D750V3 SN:1071	11/20/2020	0.792	7.92	8.52	-7.04	0.522	5.22	5.56	-6.12	
D	7/10/2020	Head	D1900V2 SN:5d043	11/20/2020	4.080	40.80	40.40	0.99	2.100	21.00	21.10	-0.47	
D	7/13/2020	Head	D1900V2 SN:5d043	11/20/2020	4.090	40.90	40.40	1.24	2.110	21.10	21.10	0.00	41,42
D	7/14/2020	Head	D1750V2 SN:1077	10/10/2020	3.540	35.40	37.00	-4.32	1.880	18.80	19.40	-3.09	43,44
D	7/14/2020	Head	D835V2 SN:4d142	8/23/2020	0.981	9.81	9.61	2.08	0.642	6.42	6.22	3.22	
D	7/17/2020	Head	D2600V2 SN:1036	4/17/2021	5.600	56.00	56.53	-0.94	2.520	25.20	25.23	-0.12	
D	7/21/2020	Head	D2600V2 SN:1006	10/14/2020	5.310	53.10	55.70	-4.67	2.400	24.00	25.10	-4.38	
D	7/25/2020	Head	D2600V2 SN:1006	10/14/2020	5.870	58.70	55.70	5.39	2.630	26.30	25.10	4.78	
D	7/29/2020	Head	D2600V2 SN:1006	10/14/2020	5.210	52.10	55.70	-6.46	2.340	23.40	25.10	-6.77	45,46
D	8/2/2020	Head	D2600V2 SN:1006	10/14/2020	5.620	56.20	55.70	0.90	2.500	25.00	25.10	-0.40	
D	8/6/2020	Head	D2600V2 SN:1006	10/14/2020	5.660	56.60	55.70	1.62	2.570	25.70	25.10	2.39	
D	8/9/2020	Head	D2600V2 SN:1006	10/14/2020	5.600	56.00	55.70	0.54	2.500	25.00	25.10	-0.40	
D	8/13/2020	Head	D2600V2 SN:1036	4/17/2021	5.870	58.70	56.53	3.84	2.620	26.20	25.23	3.84	47,48
D	8/15/2020	Head	D1900V2 SN:5d140	4/21/2021	4.160	41.60	38.77	7.30	2.130	21.30	19.90	7.04	49,50
D	8/19/2020	Head	D1900V2 SN:5d140	4/21/2021	3.920	39.20	38.77	1.11	2.020	20.20	19.90	1.51	

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 %	
E	6/29/2020	Head	D5GHZV2 SN:1168 (5.2 GHz)	11/23/2020	7.760	77.60	79.20	-2.02	2.250	22.50	22.50	0.00	51,52
E	7/6/2020	Head	D5GHZV2 SN:1138 (5.2 GHz)	8/26/2020	8.010	80.10	80.30	-0.25	2.320	23.20	23.00	0.87	
E	7/9/2020	Head	D5GHZV2 SN:1138 (5.2 GHz)	8/26/2020	8.270	82.70	80.30	2.99	2.420	24.20	23.00	5.22	
E	7/13/2020	Head	D5GHZV2 SN:1138 (5.2 GHz)	8/26/2020	8.310	83.10	80.30	3.49	2.420	24.20	23.00	5.22	53,54
E	7/17/2020	Head	D1900V2 SN:5d140	4/21/2021	4.110	41.10	38.77	6.01	2.120	21.20	19.90	6.53	
E	7/20/2020	Head	D1900V2 SN:5d140	4/21/2021	4.200	42.00	38.77	8.33	2.150	21.50	19.90	8.04	
E	7/24/2020	Head	D1900V2 SN:5d140	4/21/2021	4.160	41.60	38.77	7.30	2.120	21.20	19.90	6.53	
E	7/28/2020	Head	D1900V2 SN:5d140	4/21/2021	4.240	42.40	38.77	9.36	2.170	21.70	19.90	9.05	55,56
E	8/1/2020	Head	D1900V2 SN:5d140	4/21/2021	4.150	41.50	38.77	7.04	2.120	21.20	19.90	6.53	
E	8/5/2020	Head	D1900V2 SN:5d140	4/21/2021	3.880	38.80	38.77	0.08	1.970	19.70	19.90	-1.01	
E	8/9/2020	Head	D1900V2 SN:5d140	4/21/2021	4.200	42.00	38.77	8.33	2.140	21.40	19.90	7.54	
E	8/13/2020	Head	D1900V2 SN:5d140	4/21/2021	4.030	40.30	38.77	3.95	2.050	20.50	19.90	3.02	
E	8/17/2020	Head	D1900V2 SN:5d140	4/21/2021	3.940	39.40	38.77	1.62	2.030	20.30	19.90	2.01	

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	6/29/2020	Head	D1750V2 SN:1077	10/10/2020	3.820	38.20	37.00	3.24	2.030	20.30	19.40	4.64	57,58
F	7/6/2020	Head	D1750V2 SN:1050	4/21/2021	3.660	36.60	35.51	3.07	1.930	19.30	18.91	2.06	59,60
F	7/6/2020	Head	D1900V2 SN:5d163	10/14/2020	4.280	42.80	40.30	6.20	2.200	22.00	21.10	4.27	61,62
F	7/9/2020	Head	D1750V2 SN:1053	10/10/2020	3.630	36.30	37.20	-2.42	1.910	19.10	19.60	-2.55	63,64
F	7/9/2020	Head	D1900V2 SN:5d043	11/20/2020	4.260	42.60	40.40	5.45	2.180	21.80	21.10	3.32	65,66
F	7/13/2020	Head	D1750V2 SN:1077	10/10/2020	3.590	35.90	37.00	-2.97	1.900	19.00	19.40	-2.06	
F	7/13/2020	Head	D1900V2 SN:5d163	10/14/2020	4.150	41.50	40.30	2.98	2.130	21.30	21.10	0.95	
F	7/17/2020	Head	D2300V2 SN:1002	4/17/2021	4.900	49.00	49.76	-1.53	2.330	23.30	23.64	-1.44	
F	7/20/2020	Head	D2300V2 SN:1002	4/17/2021	5.110	51.10	49.76	2.69	2.430	24.30	23.64	2.79	
F	7/24/2020	Head	D2300V2 SN:1002	4/17/2021	5.350	53.50	49.76	7.52	2.540	25.40	23.64	7.45	
F	7/28/2020	Head	D2300V2 SN:1002	4/17/2021	5.370	53.70	49.76	7.92	2.560	25.60	23.64	8.29	67,68
F	8/1/2020	Head	D2300V2 SN:1002	4/17/2021	4.890	48.90	49.76	-1.73	2.350	23.50	23.64	-0.59	
F	8/5/2020	Head	D2300V2 SN:1002	4/17/2021	4.840	48.40	49.76	-2.73	2.260	22.60	23.64	-4.40	
F	8/9/2020	Head	D2300V2 SN:1002	4/17/2021	5.320	53.20	49.76	6.91	2.500	25.00	23.64	5.75	
F	8/13/2020	Head	D2450V2 SN:899	4/17/2021	4.800	48.00	51.75	-7.25	2.250	22.50	24.12	-6.72	
F	8/13/2020	Head	D2600V2 SN:1036	4/17/2021	5.650	56.50	56.53	-0.05	2.560	25.60	25.23	1.47	69,70
F	8/17/2020	Head	D2450V2 SN:899	4/17/2021	5.680	56.80	51.75	9.76	2.610	26.10	24.12	8.21	71,72

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	6/29/2020	Head	D2300V2 SN:1058	10/14/2020	4.520	45.20	48.70	-7.19	2.150	21.50	23.70	-9.28	73,74
G	6/29/2020	Head	D2450V2 SN:899	4/17/2021	4.800	48.00	51.75	-7.25	2.200	22.00	24.12	-8.79	75,76
G	7/6/2020	Head	D2300V2 SN:1058	10/14/2020	4.540	45.40	48.70	-6.78	2.140	21.40	23.70	-9.70	
G	7/6/2020	Head	D2450V2 SN:706	5/8/2021	4.990	49.90	52.80	-5.49	2.270	22.70	24.60	-7.72	
G	7/9/2020	Head	D2300V2 SN:1058	10/14/2020	4.740	47.40	48.70	-2.67	2.300	23.00	23.70	-2.95	
G	7/9/2020	Head	D2450V2 SN:748	3/12/2021	5.170	51.70	54.14	-4.51	2.460	24.60	25.24	-2.54	77,78
G	7/13/2020	Head	D2300V2 SN:1058	10/14/2020	4.650	46.50	48.70	-4.52	2.200	22.00	23.70	-7.17	
G	7/13/2020	Head	D2450V2 SN:706	5/8/2021	5.060	50.60	52.80	-4.17	2.300	23.00	24.60	-6.50	
G	7/16/2020	Head	D2450V2 SN:706	5/8/2021	5.600	56.00	52.80	6.06	2.660	26.60	24.60	8.13	
G	7/21/2020	Head	D2450V2 SN:706	5/8/2021	5.560	55.60	52.80	5.30	2.580	25.80	24.60	4.88	
G	7/24/2020	Head	D2450V2 SN:706	5/8/2021	5.750	57.50	52.80	8.90	2.570	25.70	24.60	4.47	79,80
G	7/28/2020	Head	D2450V2 SN:706	5/8/2021	5.460	54.60	52.80	3.41	2.490	24.90	24.60	1.22	
G	8/1/2020	Head	D2450V2 SN:706	5/8/2021	5.320	53.20	52.80	0.76	2.450	24.50	24.60	-0.41	
G	8/5/2020	Head	D2450V2 SN:706	5/8/2021	5.590	55.90	52.80	5.87	2.520	25.20	24.60	2.44	
G	8/9/2020	Head	D2450V2 SN:748	3/12/2021	5.360	53.60	54.14	-1.00	2.430	24.30	25.24	-3.72	
G	8/13/2020	Head	D2450V2 SN:748	3/12/2021	5.560	55.60	54.14	2.70	2.530	25.30	25.24	0.24	
G	8/18/2020	Head	D2450V2 SN:748	3/12/2021	5.540	55.40	54.14	2.33	2.530	25.30	25.24	0.24	

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 %	
H	6/29/2020	Head	D5GHZV2 SN:1168 (5.6 GHz)	11/23/2020	8.270	82.70	83.80	-1.31	2.320	23.20	23.70	-2.11	
H	6/29/2020	Head	D5GHZV2 SN:1168 (5.8 GHz)	11/23/2020	7.390	73.90	79.60	-7.16	2.080	20.80	22.40	-7.14	
H	7/6/2020	Head	D5GHZV2 SN:1168 (5.6 GHz)	11/23/2020	8.820	88.20	83.80	5.25	2.460	24.60	23.70	3.80	
H	7/6/2020	Head	D5GHZV2 SN:1168 (5.8 GHz)	11/23/2020	7.240	72.40	79.60	-9.05	2.030	20.30	22.40	-9.38	81,82
H	7/9/2020	Head	D5GHZV2 SN:1138 (5.6 GHz)	8/26/2020	8.440	84.40	85.50	-1.29	2.390	23.90	24.50	-2.45	
H	7/9/2020	Head	D5GHZV2 SN:1138 (5.8 GHz)	8/26/2020	7.440	74.40	81.50	-8.71	2.120	21.20	23.10	-8.23	83,84
H	7/13/2020	Head	D5GHZV2 SN:1168 (5.6 GHz)	11/23/2020	8.760	87.60	83.80	4.53	2.460	24.60	23.70	3.80	
H	7/13/2020	Head	D5GHZV2 SN:1168 (5.8 GHz)	11/23/2020	7.950	79.50	79.60	-0.13	2.220	22.20	22.40	-0.89	
H	7/17/2020	Head	D2600V2 SN:1006	10/14/2020	5.220	52.20	55.70	-6.28	2.290	22.90	25.10	-8.76	85,86
H	7/20/2020	Head	D2600V2 SN:1006	10/14/2020	5.630	56.30	55.70	1.08	2.450	24.50	25.10	-2.39	
H	7/24/2020	Head	D5GHZV2 SN:1138 (5.2 GHz)	8/26/2020	7.520	75.20	80.30	-6.35	2.150	21.50	23.00	-6.52	
H	7/24/2020	Head	D5GHZV2 SN:1138 (5.6 GHz)	8/26/2020	8.000	80.00	85.50	-6.43	2.250	22.50	24.50	-8.16	
H	7/24/2020	Head	D5GHZV2 SN:1138 (5.8 GHz)	8/26/2020	8.220	82.20	81.50	0.86	2.330	23.30	23.10	0.87	
H	7/28/2020	Head	D5GHZV2 SN:1138 (5.2 GHz)	8/26/2020	7.610	76.10	80.30	-5.23	2.160	21.60	23.00	-6.09	
H	7/28/2020	Head	D5GHZV2 SN:1138 (5.6 GHz)	8/26/2020	8.110	81.10	85.50	-5.15	2.260	22.60	24.50	-7.76	
H	7/28/2020	Head	D5GHZV2 SN:1138 (5.8 GHz)	8/26/2020	7.950	79.50	81.50	-2.45	2.240	22.40	23.10	-3.03	
H	7/31/2020	Head	D5GHZV2 SN:1138 (5.2 GHz)	8/26/2020	7.990	79.90	80.30	-0.50	2.310	23.10	23.00	0.43	
H	7/31/2020	Head	D5GHZV2 SN:1138 (5.6 GHz)	8/26/2020	8.090	80.90	85.50	-5.38	2.280	22.80	24.50	-6.94	
H	7/31/2020	Head	D5GHZV2 SN:1138 (5.8 GHz)	8/26/2020	8.160	81.60	81.50	0.12	2.320	23.20	23.10	0.43	
H	8/3/2020	Head	D5GHZV2 SN:1138 (5.2 GHz)	8/26/2020	7.450	74.50	80.30	-7.22	2.130	21.30	23.00	-7.39	
H	8/3/2020	Head	D5GHZV2 SN:1138 (5.6 GHz)	8/26/2020	8.140	81.40	85.50	-4.80	2.310	23.10	24.50	-5.71	
H	8/3/2020	Head	D5GHZV2 SN:1138 (5.8 GHz)	8/26/2020	8.060	80.60	81.50	-1.10	2.280	22.80	23.10	-1.30	
H	8/7/2020	Head	D5GHZV2 SN:1138 (5.2 GHz)	8/26/2020	7.540	75.40	80.30	-6.10	2.160	21.60	23.00	-6.09	
H	8/7/2020	Head	D5GHZV2 SN:1138 (5.6 GHz)	8/26/2020	8.440	84.40	85.50	-1.29	2.400	24.00	24.50	-2.04	
H	8/7/2020	Head	D5GHZV2 SN:1138 (5.8 GHz)	8/26/2020	7.960	79.60	81.50	-2.33	2.280	22.80	23.10	-1.30	
H	8/10/2020	Head	D5GHZV2 SN:1168 (5.2 GHz)	11/23/2020	7.540	75.40	79.20	-4.80	2.150	21.50	22.50	-4.44	
H	8/10/2020	Head	D5GHZV2 SN:1168 (5.6 GHz)	11/23/2020	7.730	77.30	83.80	-7.76	2.180	21.80	23.70	-8.02	
H	8/10/2020	Head	D5GHZV2 SN:1168 (5.8 GHz)	11/23/2020	7.170	71.70	79.60	-9.92	2.040	20.40	22.40	-8.93	
H	8/14/2020	Head	D5GHZV2 SN:1168 (5.2 GHz)	11/23/2020	7.660	76.60	79.20	-3.28	2.210	22.10	22.50	-1.78	
H	8/14/2020	Head	D5GHZV2 SN:1168 (5.6 GHz)	11/23/2020	8.520	85.20	83.80	1.67	2.420	24.20	23.70	2.11	
H	8/14/2020	Head	D5GHZV2 SN:1168 (5.8 GHz)	11/23/2020	8.040	80.40	79.60	1.01	2.310	23.10	22.40	3.13	
H	8/18/2020	Head	D5GHZV2 SN:1168 (5.2 GHz)	11/23/2020	8.060	80.60	79.20	1.77	2.330	23.30	22.50	3.56	
H	8/18/2020	Head	D5GHZV2 SN:1168 (5.6 GHz)	11/23/2020	8.760	87.60	83.80	4.53	2.500	25.00	23.70	5.49	
H	8/18/2020	Head	D5GHZV2 SN:1168 (5.8 GHz)	11/23/2020	8.430	84.30	79.60	5.90	2.430	24.30	22.40	8.48	

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	7/27/2020	Head	D2300V2 SN:1002	4/17/2021	4.630	46.30	49.76	-6.95	2.360	23.60	23.64	-0.17	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 %	
2	7/17/2020	Head	D2600V2 SN:1036	4/17/2021	6.050	60.50	56.53	7.02	2.720	27.20	25.23	7.81	
2	7/21/2020	Head	D2600V2 SN:1036	4/17/2021	6.130	61.30	56.53	8.44	2.750	27.50	25.23	9.00	89,90
2	7/25/2020	Head	D2600V2 SN:1036	4/17/2021	6.110	61.10	56.53	8.08	2.740	27.40	25.23	8.60	
2	7/29/2020	Head	D2600V2 SN:1036	4/17/2021	5.460	54.60	56.53	-3.41	2.440	24.40	25.23	-3.29	
2	8/1/2020	Head	D2600V2 SN:1036	4/17/2021	6.080	60.80	56.53	7.55	2.750	27.50	25.23	9.00	
2	8/5/2020	Head	D2600V2 SN:1036	4/17/2021	6.120	61.20	56.53	8.26	2.750	27.50	25.23	9.00	
2	8/8/2020	Head	D2600V2 SN:1036	4/17/2021	6.050	60.50	56.53	7.02	2.730	27.30	25.23	8.20	
2	8/10/2020	Head	D2450V2 SN:899	4/17/2021	4.750	47.50	51.75	-8.21	2.200	22.00	24.12	-8.79	91,92
2	8/12/2020	Head	D2600V2 SN:1036	4/17/2021	5.930	59.30	56.53	4.90	2.650	26.50	25.23	5.03	
2	8/15/2020	Head	D2600V2 SN:1006	10/14/2020	5.640	56.40	55.70	1.26	2.530	25.30	25.10	0.80	
2	8/19/2020	Head	D2600V2 SN:1006	10/14/2020	5.890	58.90	55.70	5.75	2.630	26.30	25.10	4.78	93,94

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 %	
3	7/17/2020	Head	D1750V2 SN:1077	10/10/2020	3.780	37.80	37.00	2.16	2.000	20.00	19.40	3.09	95,96
3	7/21/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	8.390	83.90	79.20	5.93	2.420	24.20	22.50	7.56	
3	7/21/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	7.680	76.80	83.80	-8.35	2.210	22.10	23.70	-6.75	97,98
3	7/21/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	8.590	85.90	79.60	7.91	2.450	24.50	22.40	9.38	
3	7/25/2020	Head	D5GHzV2 SN:1003 (5.25 GHz)	3/12/2021	8.440	84.40	80.10	5.37	2.430	24.30	22.90	6.11	99,100
3	7/25/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.960	89.60	83.80	6.92	2.580	25.80	23.70	8.86	
3	7/25/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	8.540	85.40	79.60	7.29	2.440	24.40	22.40	8.93	
3	7/29/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	8.070	80.70	79.20	1.89	2.380	23.80	22.50	5.78	

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 $\pm 10\%$	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta $\pm 10\%$	
4	7/17/2020	Head	D835V2 SN:4d002	11/20/2020	1.040	10.40	9.78	6.34	0.672	6.72	6.37	5.49	
4	7/17/2020	Head	D750V3 SN:1071	11/20/2020	0.851	8.51	8.52	-0.12	0.556	5.56	5.56	0.00	
4	7/19/2020	Head	D750V3 SN:1071	11/20/2020	0.833	8.33	8.52	-2.23	0.540	5.40	5.56	-2.88	
4	7/21/2020	Head	D835V2 SN:4d002	11/20/2020	1.070	10.70	9.78	9.41	0.694	6.94	6.37	8.95	101,102
4	7/22/2020	Head	D750V3 SN:1071	11/20/2020	0.893	8.93	8.52	4.81	0.582	5.82	5.56	4.68	
4	7/25/2020	Head	D835V2 SN:4d002	11/20/2020	0.964	9.64	9.78	-1.43	0.625	6.25	6.37	-1.88	
4	7/27/2020	Head	D750V3 SN:1071	11/20/2020	0.815	8.15	8.52	-4.34	0.532	5.32	5.56	-4.32	
4	7/29/2020	Head	D835V2 SN:4d002	11/20/2020	1.070	10.70	9.78	9.41	0.692	6.92	6.37	8.63	
4	7/31/2020	Head	D750V3 SN:1071	11/20/2020	0.906	9.06	8.52	6.34	0.587	5.87	5.56	5.58	103,104
4	8/2/2020	Head	D835V2 SN:4d002	11/20/2020	1.070	10.70	9.78	9.41	0.689	6.89	6.37	8.16	
4	8/4/2020	Head	D750V3 SN:1071	11/20/2020	0.863	8.63	8.52	1.29	0.557	5.57	5.56	0.18	
4	8/5/2020	Head	D835V2 SN:4d002	11/20/2020	1.060	10.60	9.78	8.38	0.684	6.84	6.37	7.38	
4	8/9/2020	Head	D835V2 SN:4d002	11/20/2020	1.040	10.40	9.78	6.34	0.666	6.66	6.37	4.55	
4	8/10/2020	Head	D750V3 SN:1071	11/20/2020	0.865	8.65	8.52	1.53	0.563	5.63	5.56	1.26	
4	8/13/2020	Head	D835V2 SN:4d002	11/20/2020	1.030	10.30	9.78	5.32	0.665	6.65	6.37	4.40	
4	8/16/2020	Head	D750V3 SN:1071	11/20/2020	0.887	8.87	8.52	4.11	0.576	5.76	5.56	3.60	
4	8/17/2020	Head	D835V2 SN:4d002	11/20/2020	1.040	10.40	9.78	6.34	0.671	6.71	6.37	5.34	
4	8/17/2020	Head	D1750V2 SN:1053	10/10/2020	3.930	39.30	37.20	5.65	2.070	20.70	19.60	5.61	105,106
4	8/19/2020	Head	D2600V2 SN:1006	10/14/2020	5.100	51.00	55.70	-8.44	2.270	22.70	25.10	-9.56	107,108

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 $\pm 10\%$	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta $\pm 10\%$	
5	7/17/2020	Head	D750V3 SN:1071	11/20/2020	0.828	8.28	8.52	-2.82	0.543	5.43	5.56	-2.34	109,110
5	7/17/2020	Head	D835V2 SN:4d002	11/20/2020	0.912	9.12	9.78	-6.75	0.595	5.95	6.37	-6.59	111,112
5	7/19/2020	Head	D2600V2 SN:1006	10/14/2020	5.240	52.40	55.70	-5.92	2.340	23.40	25.10	-6.77	113,114
5	7/23/2020	Head	D2600V2 SN:1036	4/17/2021	6.110	61.10	56.53	8.08	2.720	27.20	25.23	7.81	
5	7/27/2020	Head	D2600V2 SN:1036	4/17/2021	5.410	54.10	56.53	-4.30	2.410	24.10	25.23	-4.48	
5	7/31/2020	Head	D2600V2 SN:1036	4/17/2021	6.030	60.30	56.53	6.67	2.680	26.80	25.23	6.22	
5	8/4/2020	Head	D2600V2 SN:1036	4/17/2021	6.170	61.70	56.53	9.15	2.750	27.50	25.23	9.00	115,116
5	8/10/2020	Head	D1900V2 SN:5d043	11/20/2020	4.190	41.90	40.40	3.71	2.160	21.60	21.10	2.37	117,118

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 $\pm 10\%$	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta $\pm 10\%$	
6	7/16/2020	Head	D1900V2 SN:5d043	11/20/2020	4.010	40.10	40.40	-0.74	2.070	20.70	21.10	-1.90	
6	7/20/2020	Head	D1900V2 SN:5d043	11/20/2020	4.210	42.10	40.40	4.21	2.180	21.80	21.10	3.32	
6	7/24/2020	Head	D1900V2 SN:5d163	10/14/2020	4.290	42.90	40.30	6.45	2.230	22.30	21.10	5.69	119,120
6	7/28/2020	Head	D1900V2 SN:5d163	10/14/2020	4.140	41.40	40.30	2.73	2.140	21.40	21.10	1.42	
6	8/1/2020	Head	D1900V2 SN:5d043	11/20/2020	4.280	42.80	40.40	5.94	2.200	22.00	21.10	4.27	
6	8/5/2020	Head	D1900V2 SN:5d043	11/20/2020	4.410	44.10	40.40	9.16	2.270	22.70	21.10	7.58	121,122
6	8/10/2020	Head	D1900V2 SN:5d043	11/20/2020	4.220	42.20	40.40	4.46	2.170	21.70	21.10	2.84	
6	8/11/2020	Head	D1900V2 SN:5d043	11/20/2020	4.370	43.70	40.40	8.17	2.250	22.50	21.10	6.64	

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	7/28/2020	Head	D2600V2 SN:1006	10/14/2020	5.640	56.40	55.70	1.26	2.510	25.10	25.10	0.00	123,124
8	8/3/2020	Head	D2600V2 SN:1036	4/17/2021	5.690	56.90	56.53	0.65	2.520	25.20	25.23	-0.12	125,126
8	8/7/2020	Head	D835V2 SN:4d002	11/20/2020	1.010	10.10	9.78	3.27	0.673	6.73	6.37	5.65	127,128
8	8/10/2020	Head	D835V2 SN:4d002	11/20/2020	1.010	10.10	9.78	3.27	0.669	6.69	6.37	5.02	

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 %	
L1	7/16/2020	Head	D3500V2 SN:1011	4/17/2021	6.370	63.70	68.87	-7.51	2.430	24.30	26.47	-8.20	
L1	7/16/2020	Head	D3700V2 SN:1039	5/11/2021	6.590	65.90	67.00	-1.64	2.450	24.50	24.10	1.66	
L1	7/20/2020	Head	D1900V2 SN:5d043	11/20/2020	4.220	42.20	40.40	4.46	2.120	21.20	21.10	0.47	129,130
L1	7/20/2020	Head	D3700V2 SN:1039	5/11/2021	6.190	61.90	67.00	-7.61	2.290	22.90	24.10	-4.98	131,132
L1	7/20/2020	Head	D3500V2 SN:1060	3/12/2021	6.360	63.60	64.89	-1.99	2.420	24.20	24.80	-2.42	
L1	7/24/2020	Head	D1900V2 SN:5d043	11/20/2020	4.090	40.90	40.40	1.24	2.120	21.20	21.10	0.47	
L1	7/24/2020	Head	D3500V2 SN:1011	4/17/2021	6.610	66.10	68.87	-4.02	2.550	25.50	26.47	-3.66	
L1	7/24/2020	Head	D3700V2 SN:1039	5/11/2021	6.460	64.60	67.00	-3.58	2.440	24.40	24.10	1.24	
L1	7/29/2020	Head	D3500V2 SN:1060	3/12/2021	6.860	68.60	64.89	5.72	2.640	26.40	24.80	6.45	
L1	7/29/2020	Head	D3700V2 SN:1039	5/11/2021	7.010	70.10	67.00	4.63	2.640	26.40	24.10	9.54	
L1	7/30/2020	Head	D2300V2 SN:1058	10/14/2020	4.760	47.60	48.70	-2.26	2.270	22.70	23.70	-4.22	133,134
L1	8/3/2020	Head	D2300V2 SN:1058	10/14/2020	4.910	49.10	48.70	0.82	2.350	23.50	23.70	-0.84	
L1	8/4/2020	Head	D3700V2 SN:1039	5/11/2021	6.970	69.70	67.00	4.03	2.620	26.20	24.10	8.71	
L1	8/4/2020	Head	D3500V2 SN:1060	3/12/2021	6.930	69.30	64.89	6.80	2.690	26.90	24.80	8.47	
L1	8/6/2020	Head	D3500V2 SN:1011	4/17/2021	6.270	62.70	68.87	-8.96	2.420	24.20	26.47	-8.58	135,136
L1	8/10/2020	Head	D3500V2 SN:1060	3/12/2021	6.370	63.70	64.89	-1.83	2.470	24.70	24.80	-0.40	
L1	8/14/2020	Head	D3500V2 SN:1060	3/12/2021	6.360	63.60	64.89	-1.99	2.590	25.90	24.80	4.44	
L1	8/19/2020	Head	D3500V2 SN:1060	3/12/2021	5.860	58.60	64.89	-9.69	2.280	22.80	24.80	-8.06	137,138

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 %	
L2	7/16/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.780	77.80	79.20	-1.77	2.270	22.70	22.50	0.89	
L2	7/16/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.450	84.50	83.80	0.84	2.380	23.80	23.70	0.42	
L2	7/16/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	8.100	81.00	79.60	1.76	2.240	22.40	22.40	0.00	
L2	7/21/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.490	74.90	79.20	-5.43	2.170	21.70	22.50	-3.56	
L2	7/21/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	7.820	78.20	83.80	-6.68	2.210	22.10	23.70	-6.75	
L2	7/21/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	7.670	76.70	79.60	-3.64	2.190	21.90	22.40	-2.23	
L2	7/25/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.240	72.40	79.20	-8.59	2.100	21.00	22.50	-6.67	
L2	7/25/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.330	83.30	83.80	-0.60	2.350	23.50	23.70	-0.84	
L2	7/25/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	7.610	76.10	79.60	-4.40	2.180	21.80	22.40	-2.68	
L2	7/29/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.480	74.80	79.20	-5.56	2.160	21.60	22.50	-4.00	
L2	7/29/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.650	86.50	83.80	3.22	2.470	24.70	23.70	4.22	
L2	7/29/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	7.970	79.70	79.60	0.13	2.280	22.80	22.40	1.79	
L2	8/1/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.190	71.90	79.20	-9.22	2.160	21.60	22.50	-4.00	139,140
L2	8/1/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	7.680	76.80	83.80	-8.35	2.270	22.70	23.70	-4.22	
L2	8/1/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	7.980	79.80	79.60	0.25	2.280	22.80	22.40	1.79	
L2	8/6/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	8.340	83.40	79.20	5.30	2.420	24.20	22.50	7.56	
L2	8/6/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.470	84.70	83.80	1.07	2.420	24.20	23.70	2.11	
L2	8/6/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	8.020	80.20	79.60	0.75	2.290	22.90	22.40	2.23	
L2	8/10/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	8.240	82.40	79.20	4.04	2.400	24.00	22.50	6.67	
L2	8/10/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.140	81.40	83.80	-2.86	2.300	23.00	23.70	-2.95	
L2	8/10/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	8.440	84.40	79.60	6.03	2.420	24.20	22.40	8.04	
L2	8/14/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.210	72.10	79.20	-8.96	2.050	20.50	22.50	2.06	
L2	8/14/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	7.800	78.00	83.80	-6.92	2.210	22.10	23.70	-6.75	
L2	8/14/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	8.240	82.40	79.60	3.52	2.320	23.20	22.40	3.57	
L2	8/18/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.75	77.50	79.20	-2.15	2.22	22.20	22.50	-1.33	
L2	8/18/2020	Head	D5GHzV2 SN:1138 (5.6 GHz)	8/26/2020	8.990	89.90	85.50	5.15	2.520	25.20	24.50	2.86	141,142
L2	8/18/2020	Head	D5GHzV2 SN:1138 (5.8 GHz)	8/26/2020	8.060	80.60	81.50	-1.10	2.270	22.70	23.10	-1.73	
L2	8/19/2020	Head	D2600V2 SN:1006	10/14/2020	5.910	59.10	55.70	6.10	2.660	26.60	25.10	5.98	143,144

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 %	
L3	7/16/2020	Head	D1750V2 SN:1077	10/10/2020	3.480	34.80	37.00	-5.95	1.820	18.20	19.40	-6.19	
L3	7/20/2020	Head	D1750V2 SN:1077	10/10/2020	3.590	35.90	37.00	-2.97	1.910	19.10	19.40	-1.55	
L3	7/25/2020	Head	D1750V2 SN:1077	10/10/2020	3.490	34.90	37.00	-5.68	1.860	18.60	19.40	-4.12	
L3	7/29/2020	Head	D1750V2 SN:1077	10/10/2020	3.420	34.20	37.00	-7.57	1.810	18.10	19.40	-6.70	145,146
L3	8/1/2020	Head	D1750V2 SN:1077	10/10/2020	3.630	36.30	37.00	-1.89	1.920	19.20	19.40	-1.03	
L3	8/5/2020	Head	D2600V2 SN:1036	4/17/2021	5.660	56.60	56.53	0.12	2.540	25.40	25.23	0.67	
L3	8/8/2020	Head	D2600V2 SN:1036	4/17/2021	5.370	53.70	56.53	-5.01	2.400	24.00	25.23	-4.88	147,148
L3	8/11/2020	Head	D1750V2 SN:1077	10/10/2020	3.700	37.00	37.00	0.00	1.960	19.60	19.40	1.03	
L3	8/11/2020	Head	D2300V2 SN:1058	10/14/2020	5.100	51.00	48.70	4.72	2.420	24.20	23.70	2.11	149,150
L3	8/12/2020	Head	D2600V2 SN:1006	10/14/2020	5.830	58.30	55.70	4.67	2.620	26.20	25.10	4.38	151,152
L3	8/16/2020	Head	D2600V2 SN:1006	10/14/2020	5.370	53.70	55.70	-3.59	2.400	24.00	25.10	-4.38	

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 %	
L4	7/16/2020	Head	D3500V2 SN:1011	4/17/2021	6.610	66.10	68.87	-4.02	2.520	25.20	26.47	-4.80	
L4	7/16/2020	Head	D3700V2 SN:1039	5/11/2021	6.790	67.90	67.00	1.34	2.520	25.20	24.10	4.56	
L4	7/20/2020	Head	D3500V2 SN:1060	3/12/2021	6.730	67.30	64.89	3.71	2.580	25.80	24.80	4.03	
L4	7/20/2020	Head	D3700V2 SN:1039	5/11/2021	6.500	65.00	67.00	-2.99	2.410	24.10	24.10	0.00	
L4	7/20/2020	Head	D1900V2 SN:5d163	10/14/2020	4.110	41.10	40.30	1.99	2.120	21.20	21.10	0.47	
L4	7/24/2020	Head	D1900V2 SN:5d043	11/20/2020	4.080	40.80	40.40	0.99	2.120	21.20	21.10	0.47	
L4	7/24/2020	Head	D3500V2 SN:1011	4/17/2021	7.090	70.90	68.87	2.95	2.720	27.20	26.47	2.76	
L4	7/24/2020	Head	D3700V2 SN:1039	5/11/2021	6.870	68.70	67.00	2.54	2.550	25.50	24.10	5.81	
L4	7/28/2020	Head	D1900V2 SN:5d163	10/14/2020	4.160	41.60	40.30	3.23	2.120	21.20	21.10	0.47	153,154
L4	7/29/2020	Head	D3500V2 SN:1060	3/12/2021	6.960	69.60	64.89	7.26	2.680	26.80	24.80	8.06	155,156
L4	7/29/2020	Head	D3700V2 SN:1039	5/11/2021	6.980	69.80	67.00	4.18	2.600	26.00	24.10	7.88	
L4	8/1/2020	Head	D1900V2 SN:5d163	10/14/2020	4.080	40.80	40.30	1.24	2.100	21.00	21.10	-0.47	
L4	8/3/2020	Head	D3500V2 SN:1011	4/17/2021	6.440	64.40	68.87	-6.49	2.460	24.60	26.47	-7.06	
L4	8/3/2020	Head	D3700V2 SN:1039	5/11/2021	7.000	70.00	67.00	4.48	2.600	26.00	24.10	7.88	
L4	8/6/2020	Head	D1900V2 SN:5d163	10/14/2020	4.150	41.50	40.30	2.98	2.140	21.40	21.10	1.42	
L4	8/10/2020	Head	D3500V2 SN:1011	4/17/2021	6.410	64.10	68.87	-6.93	2.450	24.50	26.47	-7.44	157,158
L4	8/10/2020	Head	D3700V2 SN:1039	5/11/2021	6.120	61.20	67.00	-8.66	2.280	22.80	24.10	-5.39	159,160
L4	8/10/2020	Head	D1900V2 SN:5d043	11/20/2020	4.160	41.60	40.40	2.97	2.150	21.50	21.10	1.90	161,162
L4	8/12/2020	Head	D1750V2 SN:1077	10/10/2020	3.780	37.80	37.00	2.16	2.000	20.00	19.40	3.09	163,164
L4	8/15/2020	Head	D1750V2 SN:1077	10/10/2020	3.720	37.20	37.00	0.54	1.950	19.50	19.40	0.52	
L4	8/19/2020	Head	D2600V2 SN:1006	10/14/2020	5.720	57.20	55.70	2.69	2.570	25.70	25.10	2.39	165,166

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 %	
L6	7/17/2020	Head	D1750V2 SN:1077	10/10/2020	3.420	34.20	37.00	-7.57	1.820	18.20	19.40	-6.19	
L6	7/21/2020	Head	D1750V2 SN:1077	10/10/2020	3.340	33.40	37.00	-9.73	1.790	17.90	19.40	-7.73	167,168
L6	7/27/2020	Head	D1750V2 SN:1077	10/10/2020	3.530	35.30	37.00	-4.59	1.880	18.80	19.40	-3.09	
L6	7/31/2020	Head	D1750V2 SN:1077	10/10/2020	3.560	35.60	37.00	-3.78	1.900	19.00	19.40	-2.06	
L6	8/3/2020	Head	D2450V2 SN:899	4/17/2021	5.200	52.00	51.75	0.48	2.440	24.40	24.12	1.16	169,170
L6	8/5/2020	Head	D1750V2 SN:1077	10/10/2020	3.680	36.80	37.00	-0.54	1.950	19.50	19.40	0.52	
L6	8/7/2020	Head	D750V3 SN:1071	11/20/2020	0.879	8.79	8.52	3.17	0.576	5.76	5.56	3.60	171,172

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.

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.

Maximum Output Power (Tune-up Limit) for GSM

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

RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
GSM850	Voice/GPRS (1 slot)	33.50	33.50	32.00	32.00				
	GPRS 2 slots	32.50	32.50	31.00	31.00				
	EGPRS 1 slot	28.00	28.00	26.50	26.50				
	EGPRS 2 slots	27.00	27.00	25.50	25.50				
GSM1900	Voice/GPRS (1 slot)	32.00	25.50	29.00	29.25	31.00	28.50	28.00	29.00
	GPRS 2 slots	31.00	22.50	26.00	26.25	30.00	25.50	25.00	26.25
	EGPRS 1 slot	27.00	25.50	24.50	24.50	26.00	26.00	24.00	24.00
	EGPRS 2 slots	26.00	22.50	23.50	23.50	25.00	25.00	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	33.26	24.23	33.50	24.47	33.26	24.23	33.50	24.47
			190	836.6	33.10	24.07			33.10	24.07		
			251	848.8	33.34	24.31			33.34	24.31		
		2	128	824.2	32.24	26.22	32.50	26.48	32.24	26.22	32.50	26.48
			190	836.6	32.34	26.32			32.34	26.32		
			251	848.8	32.28	26.26			32.28	26.26		
EDGE (8PSK)	MCS5	1	128	824.2	27.66	18.63	28.00	18.97	27.66	18.63	28.00	18.97
			190	836.6	27.84	18.81			27.84	18.81		
			251	848.8	27.80	18.77			27.80	18.77		
		2	128	824.2	26.63	20.61	27.00	20.98	26.63	20.61	27.00	20.98
			190	836.6	26.82	20.80			26.82	20.80		
			251	848.8	26.73	20.71			26.73	20.71		

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	31.97	22.94	32.00	22.97	31.97	22.94	32.00	22.97
			190	836.6	31.90	22.87			31.90	22.87		
			251	848.8	31.96	22.93			31.96	22.93		
		2	128	824.2	30.59	24.57	31.00	24.98	30.59	24.57	31.00	24.98
			190	836.6	30.61	24.59			30.61	24.59		
			251	848.8	30.43	24.41			30.43	24.41		
EDGE (8PSK)	MCS5	1	128	824.2	25.60	16.57	26.50	17.47	25.60	16.57	26.50	17.47
			190	836.6	25.86	16.83			25.86	16.83		
			251	848.8	26.45	17.42			26.45	17.42		
		2	128	824.2	24.53	18.51	25.50	19.48	24.53	18.51	25.50	19.48
			190	836.6	24.56	18.54			24.56	18.54		
			251	848.8	24.56	18.54			24.56	18.54		

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	31.82	22.79	32.00	22.97	25.16	16.13	25.50	16.47
			661	1880.0	31.68	22.65			25.10	16.07		
			810	1909.8	31.60	22.57			25.25	16.22		
		2	512	1850.2	30.00	23.98	31.00	24.98	22.25	16.23	22.50	16.48
			661	1880.0	30.00	23.98			22.25	16.23		
			810	1909.8	30.00	23.98			22.25	16.23		
EDGE (8PSK)	MCS5	1	512	1850.2	26.80	17.77	27.00	17.97	25.10	16.07	25.50	16.47
			661	1880.0	26.84	17.81			25.00	15.97		
			810	1909.8	26.51	17.48			25.01	15.98		
		2	512	1850.2	25.64	19.62	26.00	19.98	22.14	16.12	22.50	16.48
			661	1880.0	25.70	19.68			22.20	16.18		
			810	1909.8	25.52	19.50			22.02	16.00		

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)

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	28.24	19.21	29.00	19.97	28.54	19.51	29.25	20.22
			661	1880.0	28.21	19.18			28.71	19.68		
			810	1909.8	28.24	19.21			28.44	19.41		
		2	512	1850.2	25.51	19.49	26.00	19.98	26.02	20.00	26.25	20.23
			661	1880.0	25.51	19.49			25.75	19.73		
			810	1909.8	25.36	19.34			25.75	19.73		
EDGE (8PSK)	MCS5	1	512	1850.2	24.33	15.30	24.50	15.47	24.33	15.30	24.50	15.47
			661	1880.0	23.51	14.48			23.51	14.48		
			810	1909.8	23.65	14.62			23.65	14.62		
		2	512	1850.2	23.24	17.22	23.50	17.48	23.24	17.22	23.50	17.48
			661	1880.0	23.49	17.47			23.49	17.47		
			810	1909.8	23.25	17.23			23.25	17.23		

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	30.78	21.75	31.00	21.97	27.98	18.95	28.50	19.47
			661	1880.0	30.75	21.72			27.95	18.92		
			810	1909.8	30.60	21.57			27.90	18.87		
		2	512	1850.2	29.55	23.53	30.00	23.98	25.05	19.03	25.50	19.48
			661	1880.0	29.52	23.50			25.12	19.10		
			810	1909.8	29.40	23.38			25.25	19.23		
EDGE (8PSK)	MCS5	1	512	1850.2	25.36	16.33	26.00	16.97	25.36	16.33	26.00	16.97
			661	1880.0	25.30	16.27			25.30	16.27		
			810	1909.8	25.26	16.23			25.26	16.23		
		2	512	1850.2	24.47	18.45	25.00	18.98	24.47	18.45	25.00	18.98
			661	1880.0	24.40	18.38			24.40	18.38		
			810	1909.8	24.36	18.34			24.36	18.34		

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	27.37	18.34	28.00	18.97	28.04	19.01	29.00	19.97
			661	1880.0	27.70	18.67			28.21	19.18		
			810	1909.8	27.84	18.81			28.20	19.17		
		2	512	1850.2	24.76	18.74	25.00	18.98	26.00	19.98	26.25	20.23
			661	1880.0	25.00	18.98			26.00	19.98		
			810	1909.8	24.86	18.84			26.00	19.98		
EDGE (8PSK)	MCS5	1	512	1850.2	23.09	14.06	24.00	14.97	23.67	14.64	24.00	14.97
			661	1880.0	23.44	14.41			23.85	14.82		
			810	1909.8	23.28	14.25			23.69	14.66		
		2	512	1850.2	22.04	16.02	23.00	16.98	22.69	16.67	23.00	16.98
			661	1880.0	22.41	16.39			22.90	16.88		
			810	1909.8	22.31	16.29			22.73	16.71		

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
	β_c/β_d	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} (Note 1, 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 $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$.

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 $\Delta_{NACK} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$, and $\Delta_{CQI} = 24/15$ with $\beta_{HS} = 24/15 * \beta_c$.

Note 3: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{HS}/\beta_c = 24/15$. 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 $\beta_c = 11/15$ and $\beta_d = 15/15$.

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} (Note 1)	β_{EC}	β_{ES} (Note 4) (Note 5)	β_{ES} (SF)	β_{ES} (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	209/25	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	$\beta_{ES1}: 47/15$ $\beta_{ES2}: 47/15$	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 $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$. For sub-test 5, Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 5/15$ with $\beta_{HS} = 5/15 * \beta_c$.

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{HS}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPCCH 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 $\beta_c = 10/15$ and $\beta_d = 15/15$.

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

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

Note 6: For subtests 2, 3 and 4, UE may perform E-DPCCH 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	Processes	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 (Note 3)	β_d	β_{HS} (Note 1)	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_{ed1} : 30/15 β_{ed2} : 30/15	β_{ed3} : 24/15 β_{ed4} : 24/15	3.5	2.5	14	105	105
Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 \cdot \beta_c$. 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 $\beta_d = 0$ 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.											

Maximum Output Power (Tune-up Limit) 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 $\leq 1/4$ dB higher than the primary mode

RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
W-CDMA Band 2	R99	25.70	16.50	20.00	20.25	24.70	19.50	19.00	20.25
	HSDPA	25.70	16.50	20.00	20.25	24.70	19.50	19.00	20.25
	HSUPA	25.70	16.50	20.00	20.25	24.70	19.50	19.00	20.25
	DC-HSDPA	25.70	16.50	20.00	20.25	24.70	19.50	19.00	20.25
	HSPA+	25.70	16.50	20.00	20.25	24.70	19.50	19.00	20.25
W-CDMA Band 4	R99	25.70	17.00	18.50	17.25	24.70	21.25	20.00	21.00
	HSDPA	25.70	17.00	18.50	17.25	24.70	21.25	20.00	21.00
	HSUPA	25.70	17.00	18.50	17.25	24.70	21.25	20.00	21.00
	DC-HSDPA	25.70	17.00	18.50	17.25	24.70	21.25	20.00	21.00
	HSPA+	25.70	17.00	18.50	17.25	24.70	21.25	20.00	21.00
W-CDMA Band 5	R99	25.70	25.70	23.90	23.90				
	HSDPA	25.70	25.70	23.90	23.90				
	HSUPA	25.70	25.70	23.90	23.90				
	DC-HSDPA	25.70	25.70	23.90	23.90				
	HSPA+	25.70	25.70	23.90	23.90				

W-CDMA Band 2 Measured Results (ANT1)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A {dBm}			Power Mode B {dBm}		
				Measured Pw r	MPR	Tune-up Limit	Measured Pw r	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	25.22	N/A	25.70	16.34	N/A	16.50
		9400	1880.0	25.09			16.21		
		9538	1907.6	25.05			16.17		
HSDPA	Subtest 1	9262	1852.4	25.00	0.00	25.70	15.90	0.00	16.50
		9400	1880.0	24.90			15.82		
		9538	1907.6	25.00			15.92		
	Subtest 2	9262	1852.4	25.00	0.00	25.70	15.87	0.00	16.50
		9400	1880.0	25.00			15.96		
		9538	1907.6	25.20			15.92		
	Subtest 3	9262	1852.4	25.09	0.50	25.20	15.81	0.50	16.00
		9400	1880.0	24.90			15.62		
		9538	1907.6	25.17			15.89		
	Subtest 4	9262	1852.4	25.16	0.50	25.20	15.88	0.50	16.00
		9400	1880.0	25.05			15.77		
		9538	1907.6	24.78			15.50		
HSUPA	Subtest 1	9262	1852.4	25.00	0.00	25.70	16.10	0.00	16.50
		9400	1880.0	25.00			16.15		
		9538	1907.6	25.10			15.82		
	Subtest 2	9262	1852.4	23.46	2.00	23.70	14.38	2.00	14.50
		9400	1880.0	23.13			14.05		
		9538	1907.6	23.43			14.35		
	Subtest 3	9262	1852.4	24.33	1.00	24.70	15.25	1.00	15.50
		9400	1880.0	24.52			15.34		
		9538	1907.6	24.66			15.44		
	Subtest 4	9262	1852.4	23.21	2.00	23.70	14.33	2.00	14.50
		9400	1880.0	23.01			14.13		
		9538	1907.6	22.95			14.07		
	Subtest 5	9262	1852.4	25.00	0.00	25.70	16.17	0.00	16.50
		9400	1880.0	24.94			16.13		
		9538	1907.6	25.04			16.16		
DC-HSDPA	Subtest 1	9262	1852.4	25.24	0.00	25.70	16.16	0.00	16.50
		9400	1880.0	25.03			16.15		
		9538	1907.6	25.00			16.12		
	Subtest 2	9262	1852.4	25.18	0.00	25.70	16.10	0.00	16.50
		9400	1880.0	25.06			16.18		
		9538	1907.6	25.02			16.14		
	Subtest 3	9262	1852.4	25.04	0.50	25.20	15.98	0.50	16.00
		9400	1880.0	25.08			15.88		
		9538	1907.6	25.05			15.85		
	Subtest 4	9262	1852.4	25.01	0.50	25.20	15.99	0.50	16.00
		9400	1880.0	25.00			15.80		
		9538	1907.6	25.01			15.81		
HSPA+	Subtest 1	9262	1852.4	22.72	2.50	23.20	13.84	2.50	14.00
		9400	1880.0	22.59			13.71		
		9538	1907.6	22.55			13.67		

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	19.75	N/A	20.00	20.08	N/A	20.25
		9400	1880.0	19.75			20.00		
		9538	1907.6	19.75			19.94		
HSDPA	Subtest 1	9262	1852.4	19.38	0.00	20.00	19.61	0.00	20.25
		9400	1880.0	19.35			19.58		
		9538	1907.6	19.24			19.47		
	Subtest 2	9262	1852.4	19.40	0.00	20.00	19.63	0.00	20.25
		9400	1880.0	19.34			19.57		
		9538	1907.6	19.26			19.49		
	Subtest 3	9262	1852.4	19.07	0.50	19.50	19.30	0.50	19.75
		9400	1880.0	19.02			19.25		
		9538	1907.6	18.90			19.13		
	Subtest 4	9262	1852.4	18.88	0.50	19.50	19.20	0.50	19.75
		9400	1880.0	18.75			19.07		
		9538	1907.6	18.51			18.83		
HSUPA	Subtest 1	9262	1852.4	19.53	0.00	20.00	19.85	0.00	20.25
		9400	1880.0	19.41			19.73		
		9538	1907.6	19.32			19.64		
	Subtest 2	9262	1852.4	17.44	2.00	18.00	17.76	2.00	18.25
		9400	1880.0	17.30			17.62		
		9538	1907.6	17.09			17.41		
	Subtest 3	9262	1852.4	18.74	1.00	19.00	19.06	1.00	19.25
		9400	1880.0	18.69			19.01		
		9538	1907.6	18.56			18.88		
	Subtest 4	9262	1852.4	17.66	2.00	18.00	17.98	2.00	18.25
		9400	1880.0	17.62			17.94		
		9538	1907.6	17.50			17.82		
	Subtest 5	9262	1852.4	19.72	0.00	20.00	20.00	0.00	20.25
		9400	1880.0	19.67			20.04		
		9538	1907.6	19.55			19.92		
DC-HSDPA	Subtest 1	9262	1852.4	19.64	0.00	20.00	20.01	0.00	20.25
		9400	1880.0	19.57			19.94		
		9538	1907.6	19.43			19.80		
	Subtest 2	9262	1852.4	19.77	0.00	20.00	20.14	0.00	20.25
		9400	1880.0	19.73			20.11		
		9538	1907.6	19.54			19.91		
	Subtest 3	9262	1852.4	18.92	0.50	19.50	19.29	0.50	19.75
		9400	1880.0	18.86			19.23		
		9538	1907.6	18.78			19.15		
	Subtest 4	9262	1852.4	18.91	0.50	19.50	19.29	0.50	19.75
		9400	1880.0	18.88			19.25		
		9538	1907.6	18.82			19.19		
HSPA+	Subtest 1	9262	1852.4	17.25	2.50	17.50	17.22	2.50	17.75
		9400	1880.0	17.17			17.14		
		9538	1907.6	17.11			17.08		

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	24.68	N/A	24.70	19.46	N/A	19.50
		9400	1880.0	24.52			19.30		
		9538	1907.6	24.56			19.34		
HSDPA	Subtest 1	9262	1852.4	24.65	0.0	24.70	19.10	0.0	19.50
		9400	1880.0	23.95			18.73		
		9538	1907.6	24.35			19.13		
	Subtest 2	9262	1852.4	24.50	0.0	24.70	19.28	0.0	19.50
		9400	1880.0	24.25			19.03		
		9538	1907.6	24.18			18.96		
	Subtest 3	9262	1852.4	23.46	0.5	24.20	18.24	0.5	19.00
		9400	1880.0	23.41			18.19		
		9538	1907.6	24.11			18.89		
	Subtest 4	9262	1852.4	23.73	0.5	24.20	18.51	0.5	19.00
		9400	1880.0	23.70			18.48		
		9538	1907.6	23.45			18.23		
HSUPA	Subtest 1	9262	1852.4	24.30	0.0	24.70	19.10	0.0	19.50
		9400	1880.0	24.44			19.22		
		9538	1907.6	24.22			19.00		
	Subtest 2	9262	1852.4	22.69	2.0	22.70	17.47	2.0	17.50
		9400	1880.0	22.57			17.35		
		9538	1907.6	22.52			17.30		
	Subtest 3	9262	1852.4	23.54	1.0	23.70	18.32	1.0	18.50
		9400	1880.0	23.35			18.13		
		9538	1907.6	23.33			18.11		
	Subtest 4	9262	1852.4	22.50	2.0	22.70	17.28	2.0	17.50
		9400	1880.0	22.34			17.12		
		9538	1907.6	22.34			17.12		
	Subtest 5	9262	1852.4	24.22	0.0	24.70	19.00	0.0	19.50
		9400	1880.0	24.08			18.86		
		9538	1907.6	24.09			18.87		
DC-HSDPA	Subtest 1	9262	1852.4	24.20	0.0	24.70	18.98	0.0	19.50
		9400	1880.0	24.17			18.95		
		9538	1907.6	24.05			18.83		
	Subtest 2	9262	1852.4	24.29	0.0	24.70	19.07	0.0	19.50
		9400	1880.0	23.75			18.53		
		9538	1907.6	23.87			18.65		
	Subtest 3	9262	1852.4	23.96	0.5	24.20	18.74	0.5	19.00
		9400	1880.0	23.64			18.42		
		9538	1907.6	23.58			18.36		
	Subtest 4	9262	1852.4	24.20	0.5	24.20	18.98	0.5	19.00
		9400	1880.0	23.77			18.55		
		9538	1907.6	23.30			18.08		
HSPA+	Subtest 1	9262	1852.4	21.68	2.5	22.20	16.46	2.5	17.00
		9400	1880.0	21.52			16.30		
		9538	1907.6	21.56			16.34		

W-CDMA Band 2 Measured Results (ANT4)

Mode		UL Ch No.	Freq. (MHz)	Maximum Average Power (dBm)			Reduced Average Power (dBm)		
				Measured Pw r	MPR	Tune-up Limit	Measured Pw r	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	18.90	N/A	19.00	19.91	N/A	20.25
		9400	1880.0	18.85			19.83		
		9538	1907.6	18.84			19.77		
HSDPA	Subtest 1	9262	1852.4	18.51	0.00	19.00	19.44	0.00	20.25
		9400	1880.0	18.48			19.41		
		9538	1907.6	18.37			19.30		
	Subtest 2	9262	1852.4	18.53	0.00	19.00	19.46	0.00	20.25
		9400	1880.0	18.47			19.40		
		9538	1907.6	18.39			19.32		
	Subtest 3	9262	1852.4	18.09	0.50	18.50	19.03	0.50	19.75
		9400	1880.0	18.04			18.97		
		9538	1907.6	17.92			18.85		
	Subtest 4	9262	1852.4	18.40	0.50	18.50	19.33	0.50	19.75
		9400	1880.0	18.27			19.20		
		9538	1907.6	18.03			18.96		
HSUPA	Subtest 1	9262	1852.4	18.70	0.00	19.00	19.80	0.00	20.25
		9400	1880.0	18.75			19.76		
		9538	1907.6	18.74			19.77		
	Subtest 2	9262	1852.4	16.96	2.00	17.00	17.89	2.00	18.25
		9400	1880.0	16.82			17.75		
		9538	1907.6	16.80			17.82		
	Subtest 3	9262	1852.4	17.90	1.00	18.00	18.91	1.00	19.25
		9400	1880.0	17.93			18.86		
		9538	1907.6	17.80			18.73		
	Subtest 4	9262	1852.4	16.90	2.00	17.00	17.83	2.00	18.25
		9400	1880.0	16.86			17.79		
		9538	1907.6	16.74			17.67		
	Subtest 5	9262	1852.4	18.73	0.00	19.00	19.75	0.00	20.25
		9400	1880.0	18.77			19.70		
		9538	1907.6	18.65			19.58		
DC-HSDPA	Subtest 1	9262	1852.4	18.74	0.00	19.00	19.67	0.00	20.25
		9400	1880.0	18.67			19.60		
		9538	1907.6	18.53			19.46		
	Subtest 2	9262	1852.4	18.74	0.00	19.00	19.80	0.00	20.25
		9400	1880.0	18.73			19.76		
		9538	1907.6	18.64			19.55		
	Subtest 3	9262	1852.4	18.02	0.50	18.50	18.95	0.50	19.75
		9400	1880.0	17.96			18.89		
		9538	1907.6	17.88			18.81		
	Subtest 4	9262	1852.4	18.01	0.50	18.50	18.94	0.50	19.75
		9400	1880.0	17.98			18.91		
		9538	1907.6	17.92			18.85		
HSPA+	Subtest 1	9262	1852.4	15.95	2.50	16.50	16.88	2.50	17.75
		9400	1880.0	15.87			16.80		
		9538	1907.6	15.81			16.80		

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	25.23	N/A	25.70	16.43	N/A	17.00
		1413	1732.6	25.20			16.40		
		1513	1752.6	25.19			16.39		
HSDPA	Subtest 1	1312	1712.4	25.20	0.00	25.70	16.38	0.00	17.00
		1413	1732.6	25.10			16.21		
		1513	1752.6	25.17			16.37		
	Subtest 2	1312	1712.4	25.16	0.00	25.70	16.20	0.00	17.00
		1413	1732.6	25.06			16.26		
		1513	1752.6	25.10			16.30		
	Subtest 3	1312	1712.4	25.06	0.50	25.20	16.26	0.50	16.50
		1413	1732.6	25.18			16.38		
		1513	1752.6	24.95			16.15		
	Subtest 4	1312	1712.4	25.13	0.50	25.20	16.33	0.50	16.50
		1413	1732.6	25.01			16.21		
		1513	1752.6	25.00			16.20		
HSUPA	Subtest 1	1312	1712.4	25.15	0.00	25.70	16.30	0.00	17.00
		1413	1732.6	25.12			16.26		
		1513	1752.6	25.15			16.25		
	Subtest 2	1312	1712.4	23.66	2.00	23.70	14.86	2.00	15.00
		1413	1732.6	23.61			14.81		
		1513	1752.6	23.60			14.80		
	Subtest 3	1312	1712.4	24.22	1.00	24.70	15.42	1.00	16.00
		1413	1732.6	24.19			15.39		
		1513	1752.6	24.20			15.40		
	Subtest 4	1312	1712.4	23.60	2.00	23.70	14.80	2.00	15.00
		1413	1732.6	23.46			14.66		
		1513	1752.6	23.53			14.73		
	Subtest 5	1312	1712.4	25.15	0.00	25.70	16.25	0.00	17.00
		1413	1732.6	25.18			16.22		
		1513	1752.6	25.16			16.22		
DC-HSDPA	Subtest 1	1312	1712.4	25.18	0.00	25.70	16.48	0.00	17.00
		1413	1732.6	25.15			16.35		
		1513	1752.6	25.14			16.34		
	Subtest 2	1312	1712.4	25.17	0.00	25.70	16.37	0.00	17.00
		1413	1732.6	25.18			16.38		
		1513	1752.6	25.16			16.36		
	Subtest 3	1312	1712.4	25.18	0.50	25.20	16.38	0.50	16.50
		1413	1732.6	25.05			16.25		
		1513	1752.6	25.01			16.21		
	Subtest 4	1312	1712.4	25.13	0.50	25.20	16.33	0.50	16.50
		1413	1732.6	25.15			16.35		
		1513	1752.6	25.12			16.32		
HSPA+	Subtest 1	1312	1712.4	23.20	2.50	23.20	14.43	2.50	14.50
		1413	1732.6	23.20			14.40		
		1513	1752.6	23.19			14.39		

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	18.50	N/A	18.50	17.25	N/A	17.25
		1413	1732.6	18.50			17.25		
		1513	1752.6	18.50			17.25		
HSDPA	Subtest 1	1312	1712.4	17.55	0.00	18.50	16.30	0.00	17.25
		1413	1732.6	17.67			16.42		
		1513	1752.6	17.52			16.27		
	Subtest 2	1312	1712.4	18.28	0.00	18.50	17.03	0.00	17.25
		1413	1732.6	17.70			16.45		
		1513	1752.6	17.55			16.30		
	Subtest 3	1312	1712.4	17.93	0.50	18.00	16.68	0.50	16.75
		1413	1732.6	17.81			16.56		
		1513	1752.6	17.61			16.36		
	Subtest 4	1312	1712.4	17.91	0.50	18.00	16.66	0.50	16.75
		1413	1732.6	17.78			16.53		
		1513	1752.6	17.54			16.29		
HSUPA	Subtest 1	1312	1712.4	17.99	0.00	18.50	16.74	0.00	17.25
		1413	1732.6	17.92			16.67		
		1513	1752.6	17.86			16.61		
	Subtest 2	1312	1712.4	16.47	2.00	16.50	15.22	2.00	15.25
		1413	1732.6	16.33			15.08		
		1513	1752.6	16.12			14.87		
	Subtest 3	1312	1712.4	17.02	1.00	17.50	15.77	1.00	16.25
		1413	1732.6	16.97			15.72		
		1513	1752.6	16.84			15.59		
	Subtest 4	1312	1712.4	15.94	2.00	16.50	14.69	2.00	15.25
		1413	1732.6	15.90			14.65		
		1513	1752.6	15.78			14.53		
	Subtest 5	1312	1712.4	18.00	0.00	18.50	16.75	0.00	17.25
		1413	1732.6	17.95			16.70		
		1513	1752.6	17.83			16.58		
DC-HSDPA	Subtest 1	1312	1712.4	17.92	0.00	18.50	16.67	0.00	17.25
		1413	1732.6	17.85			16.60		
		1513	1752.6	17.71			16.46		
	Subtest 2	1312	1712.4	18.05	0.00	18.50	16.80	0.00	17.25
		1413	1732.6	18.01			16.76		
		1513	1752.6	17.82			16.57		
	Subtest 3	1312	1712.4	17.95	0.50	18.00	16.70	0.50	16.75
		1413	1732.6	17.89			16.64		
		1513	1752.6	17.81			16.56		
	Subtest 4	1312	1712.4	17.94	0.50	18.00	16.69	0.50	16.75
		1413	1732.6	17.91			16.66		
		1513	1752.6	17.85			16.60		
HSPA+	Subtest 1	1312	1712.4	15.70	2.50	16.00	14.75	2.50	14.75
		1413	1732.6	15.59			14.63		
		1513	1752.6	15.51			14.26		

W-CDMA Band 4 Measured Results (ANT3)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B [dBm]		
				Measured Pw r	MPR	Tune-up Limit	Measured Pw r	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	24.69	N/A	24.70	20.93	N/A	21.25
		1413	1732.6	24.61			20.95		
		1513	1752.6	24.67			20.91		
HSDPA	Subtest 1	1312	1712.4	24.42	0.0	24.70	20.94	0	21.25
		1413	1732.6	24.62			20.90		
		1513	1752.6	24.31			20.87		
	Subtest 2	1312	1712.4	24.30	0.0	24.70	20.83	0	21.25
		1413	1732.6	23.81			20.32		
		1513	1752.6	23.79			20.34		
	Subtest 3	1312	1712.4	24.02	0.5	24.20	20.56	0.5	20.75
		1413	1732.6	23.91			20.41		
		1513	1752.6	23.56			20.05		
	Subtest 4	1312	1712.4	23.62	0.5	24.20	20.15	0.5	20.75
		1413	1732.6	23.65			20.19		
		1513	1752.6	23.61			20.16		
HSUPA	Subtest 1	1312	1712.4	24.15	0.0	24.70	20.69	0	21.25
		1413	1732.6	24.51			20.90		
		1513	1752.6	24.25			20.79		
	Subtest 2	1312	1712.4	22.15	2.0	22.70	18.69	2	19.25
		1413	1732.6	22.57			19.11		
		1513	1752.6	22.60			19.13		
	Subtest 3	1312	1712.4	23.31	1.0	23.70	19.87	1	20.25
		1413	1732.6	23.65			20.19		
		1513	1752.6	23.67			20.21		
	Subtest 4	1312	1712.4	22.56	2.0	22.70	19.10	2	19.25
		1413	1732.6	22.54			19.04		
		1513	1752.6	22.61			19.14		
	Subtest 5	1312	1712.4	24.63	0.0	24.70	20.90	0	21.25
		1413	1732.6	24.59			20.92		
		1513	1752.6	24.55			20.89		
DC-HSDPA	Subtest 1	1312	1712.4	24.68	0.0	24.70	20.90	0	21.25
		1413	1732.6	24.59			20.93		
		1513	1752.6	24.45			20.87		
	Subtest 2	1312	1712.4	24.67	0.0	24.70	20.90	0	21.25
		1413	1732.6	24.65			20.92		
		1513	1752.6	24.61			20.89		
	Subtest 3	1312	1712.4	24.15	0.5	24.20	20.69	0.5	20.75
		1413	1732.6	24.11			20.65		
		1513	1752.6	24.08			20.62		
	Subtest 4	1312	1712.4	24.18	0.5	24.20	20.72	0.5	20.75
		1413	1732.6	24.08			20.61		
		1513	1752.6	24.07			20.59		
HSPA+	Subtest 1	1312	1712.4	21.69	2.5	22.20	18.23	2.5	18.75
		1413	1732.6	21.61			18.15		
		1513	1752.6	21.67			18.21		

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	19.91	N/A	20.00	21.00	N/A	21.00
		1413	1732.6	19.83			21.00		
		1513	1752.6	19.77			21.00		
HSDPA	Subtest 1	1312	1712.4	19.44	0.00	20.00	20.34	0.00	21.00
		1413	1732.6	19.41			20.31		
		1513	1752.6	19.30			20.20		
	Subtest 2	1312	1712.4	19.46	0.00	20.00	20.36	0.00	21.00
		1413	1732.6	19.40			20.30		
		1513	1752.6	19.32			20.22		
	Subtest 3	1312	1712.4	19.03	0.50	19.50	19.92	0.50	20.50
		1413	1732.6	18.98			19.87		
		1513	1752.6	18.86			19.75		
	Subtest 4	1312	1712.4	19.33	0.50	19.50	20.23	0.50	20.50
		1413	1732.6	19.20			20.10		
		1513	1752.6	19.18			20.08		
HSUPA	Subtest 1	1312	1712.4	19.74	0.00	20.00	20.64	0.00	21.00
		1413	1732.6	19.72			20.62		
		1513	1752.6	19.64			20.54		
	Subtest 2	1312	1712.4	17.76	2.00	18.00	18.66	2.00	19.00
		1413	1732.6	17.62			18.52		
		1513	1752.6	17.68			18.58		
	Subtest 3	1312	1712.4	18.88	1.00	19.00	19.78	1.00	20.00
		1413	1732.6	18.83			19.73		
		1513	1752.6	18.70			19.60		
	Subtest 4	1312	1712.4	17.80	2.00	18.00	18.70	2.00	19.00
		1413	1732.6	17.76			18.66		
		1513	1752.6	17.64			18.54		
	Subtest 5	1312	1712.4	19.71	0.00	20.00	20.62	0.00	21.00
		1413	1732.6	19.67			20.57		
		1513	1752.6	19.55			20.45		
DC-HSDPA	Subtest 1	1312	1712.4	19.64	0.00	20.00	20.54	0.00	21.00
		1413	1732.6	19.57			20.47		
		1513	1752.6	19.43			20.33		
	Subtest 2	1312	1712.4	19.77	0.00	20.00	20.67	0.00	21.00
		1413	1732.6	19.73			20.63		
		1513	1752.6	19.54			20.44		
	Subtest 3	1312	1712.4	18.92	0.50	19.50	19.82	0.50	20.50
		1413	1732.6	18.86			19.76		
		1513	1752.6	18.78			19.68		
	Subtest 4	1312	1712.4	18.91	0.50	19.50	19.81	0.50	20.50
		1413	1732.6	18.88			19.78		
		1513	1752.6	18.82			19.72		
HSPA+	Subtest 1	1312	1712.4	16.85	2.50	17.50	17.75	2.50	18.50
		1413	1732.6	16.77			17.67		
		1513	1752.6	16.71			17.61		

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	25.05	N/A	25.70	25.05	N/A	25.70
		4183	836.6	25.19			25.19		
		4233	846.6	25.18			25.18		
HSDPA	Subtest 1	4132	826.4	25.00	0.00	25.70	25.00	0.00	25.70
		4183	836.6	25.10			25.10		
		4233	846.6	25.00			25.00		
	Subtest 2	4132	826.4	25.10	0.00	25.70	25.10	0.00	25.70
		4183	836.6	25.09			25.09		
		4233	846.6	25.11			25.11		
	Subtest 3	4132	826.4	25.16	0.50	25.20	25.16	0.50	25.20
		4183	836.6	25.10			25.10		
		4233	846.6	24.40			24.40		
	Subtest 4	4132	826.4	25.00	0.50	25.20	25.00	0.50	25.20
		4183	836.6	24.95			24.95		
		4233	846.6	25.11			25.11		
HSUPA	Subtest 1	4132	826.4	25.10	0.00	25.70	25.10	0.00	25.70
		4183	836.6	25.10			25.10		
		4233	846.6	25.11			25.11		
	Subtest 2	4132	826.4	23.70	2.00	23.70	23.70	2.00	23.70
		4183	836.6	23.61			23.61		
		4233	846.6	23.54			23.54		
	Subtest 3	4132	826.4	24.22	1.00	24.70	24.22	1.00	24.70
		4183	836.6	24.20			24.20		
		4233	846.6	24.22			24.22		
	Subtest 4	4132	826.4	23.23	2.00	23.70	23.23	2.00	23.70
		4183	836.6	23.24			23.24		
		4233	846.6	23.23			23.23		
	Subtest 5	4132	826.4	25.10	0.00	25.70	25.10	0.00	25.70
		4183	836.6	25.11			25.11		
		4233	846.6	25.09			25.09		
DC-HSDPA	Subtest 1	4132	826.4	25.00	0.00	25.70	25.00	0.00	25.70
		4183	836.6	24.92			24.92		
		4233	846.6	25.01			25.01		
	Subtest 2	4132	826.4	25.10	0.00	25.70	25.10	0.00	25.70
		4183	836.6	25.09			25.09		
		4233	846.6	25.18			25.18		
	Subtest 3	4132	826.4	25.18	0.50	25.20	25.18	0.50	25.20
		4183	836.6	25.16			25.16		
		4233	846.6	25.19			25.19		
	Subtest 4	4132	826.4	25.17	0.50	25.20	25.17	0.50	25.20
		4183	836.6	25.17			25.17		
		4233	846.6	25.19			25.19		
HSPA+	Subtest 1	4132	826.4	23.05	2.50	23.20	23.05	2.50	23.20
		4183	836.6	23.19			23.19		
		4233	846.6	23.18			23.18		

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	23.88	N/A	23.90	23.88	N/A	23.90
		4183	836.6	23.80			23.80		
		4233	846.6	23.74			23.74		
HSDPA	Subtest 1	4132	826.4	23.41	0.00	23.90	23.41	0.00	23.90
		4183	836.6	23.38			23.38		
		4233	846.6	23.27			23.27		
	Subtest 2	4132	826.4	23.43	0.00	23.90	23.43	0.00	23.90
		4183	836.6	23.37			23.37		
		4233	846.6	23.29			23.29		
	Subtest 3	4132	826.4	23.10	0.50	23.40	23.10	0.50	23.40
		4183	836.6	23.05			23.05		
		4233	846.6	22.93			22.93		
	Subtest 4	4132	826.4	22.91	0.50	23.40	22.91	0.50	23.40
		4183	836.6	22.78			22.78		
		4233	846.6	22.54			22.54		
HSUPA	Subtest 1	4132	826.4	23.09	0.00	23.90	23.09	0.00	23.90
		4183	836.6	23.02			23.02		
		4233	846.6	22.90			22.90		
	Subtest 2	4132	826.4	21.47	2.00	21.90	21.47	2.00	21.90
		4183	836.6	21.33			21.33		
		4233	846.6	21.12			21.12		
	Subtest 3	4132	826.4	22.77	1.00	22.90	22.77	1.00	22.90
		4183	836.6	22.72			22.72		
		4233	846.6	22.59			22.59		
	Subtest 4	4132	826.4	21.69	2.00	21.90	21.69	2.00	21.90
		4183	836.6	21.65			21.65		
		4233	846.6	21.53			21.53		
	Subtest 5	4132	826.4	23.75	0.00	23.90	23.75	0.00	23.90
		4183	836.6	23.70			23.70		
		4233	846.6	23.58			23.58		
DC-HSDPA	Subtest 1	4132	826.4	23.67	0.00	23.90	23.67	0.00	23.90
		4183	836.6	23.60			23.60		
		4233	846.6	23.46			23.46		
	Subtest 2	4132	826.4	23.80	0.00	23.90	23.80	0.00	23.90
		4183	836.6	23.76			23.76		
		4233	846.6	23.57			23.57		
	Subtest 3	4132	826.4	22.95	0.50	23.40	22.95	0.50	23.40
		4183	836.6	22.89			22.89		
		4233	846.6	22.81			22.81		
	Subtest 4	4132	826.4	22.94	0.50	23.40	22.94	0.50	23.40
		4183	836.6	22.91			22.91		
		4233	846.6	22.85			22.85		
HSPA+	Subtest 1	4132	826.4	20.88	2.50	21.40	20.88	2.50	21.40
		4183	836.6	20.80			20.80		
		4233	846.6	20.74			20.74		

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)

	<u>RF Channel</u>	<u>RF Channel Offset</u>
Carrier [0]	31	0
Carrier [1]	1013	982

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

For Three Carriers: Low Channel (1013)

	<u>RF Channel</u>	<u>RF Channel Offset</u>
Carrier [0]	72	0
Carrier [1]	31	-41
Carrier [2]	1013	941

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

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

Maximum Output Power (Tune-up Limit) 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 $\leq \frac{1}{4}$ dB higher than the primary mode

RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
CDMA BC0	1xRTT	25.70	25.70	23.90	23.90				
	1xAdvanced	25.70	25.70	23.90	23.90				
	1xEVDO Rel. 0	25.70	25.70	23.90	23.90				
	1xEVDO Rev. A	25.70	25.70	23.90	23.90				
CDMA BC1	1xRTT	25.70	16.50	20.00	20.25				
	1xAdvanced	25.70	16.50	20.00	20.25				
	1xEVDO Rel. 0	25.70	16.50	20.00	20.25				
	1xEVDO Rev. A	25.70	16.50	20.00	20.25				
CDMA BC10	1xRTT	25.70	25.70	23.90	23.90				
	1xAdvanced	25.70	25.70	23.90	23.90				
	1xEVDO Rel. 0	25.70	25.70	23.90	23.90				
	1xEVDO Rev. A	25.70	25.70	23.90	23.90				

CDMA BC1 is not supported for ANT3 and ANT 4.

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	25.23	25.70	25.23	25.70
		384	836.52	24.70		24.70	
		777	848.31	25.00		25.00	
	RC3, SO55 (Loopback)	1013	824.70	25.05		25.05	
		384	836.52	25.50		25.50	
		777	848.31	25.35		25.35	
	RC3, SO32 (+F-SCH)	1013	824.70	25.14		25.14	
		384	836.52	25.50		25.50	
		777	848.31	25.28		25.28	
1xAdvanced	Fw d11/Rvs8 SO75 (Loopback)	1013	824.70	25.14	25.70	25.14	25.70
		384	836.52	24.77		24.77	
		777	848.31	25.00		25.00	
1xEV-Do Rel. 0	307.2 kbps (2 slot, QPSK)	1013	824.70	25.05	25.70	25.05	25.70
		384	836.52	25.50		25.50	
		777	848.31	25.35		25.35	
1xEV-Do Rev. A	307.2K, QPSK/ ACK channel is transmitted at all the slots	1013	824.70	25.00	25.70	25.00	25.70
		384	836.52	24.76		24.76	
		777	848.31	24.89		24.89	

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	23.00	23.90	23.00	23.90
		384	836.52	23.11		23.11	
		777	848.31	23.09		23.09	
	RC3, SO55 (Loopback)	1013	824.70	23.49		23.49	
		384	836.52	23.70		23.70	
		777	848.31	23.83		23.83	
	RC3, SO32 (+F-SCH)	1013	824.70	23.63		23.63	
		384	836.52	23.50		23.50	
		777	848.31	23.24		23.24	
1xAdvanced	Fw d11/Rvs8 SO75 (Loopback)	1013	824.70	22.96	23.90	22.96	23.90
		384	836.52	23.09		23.09	
		777	848.31	23.19		23.19	
1xEV-Do Rel. 0	307.2 kbps (2 slot, QPSK)	1013	824.70	23.49	23.90	23.49	23.90
		384	836.52	23.70		23.70	
		777	848.31	23.83		23.83	
1xEV-Do Rev. A	307.2K, QPSK/ ACK channel is transmitted at all the slots	1013	824.70	23.86	23.90	23.86	23.90
		384	836.52	23.24		23.24	
		777	848.31	23.19		23.19	

CDMA BC1 Measured Results (ANT1)

Mode		Channel	Freq. (MHz)	Power Mode A {dBm}		Power Mode B {dBm}	
				Measured Pw r	Tune-up Limit	Measured Pw r	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	25	1851.25	24.82	25.70	15.51	16.50
		600	1880.00	24.93		15.62	
		1175	1908.75	24.88		15.72	
	RC3, SO55 (Loopback)	25	1851.25	24.92		16.04	
		600	1880.00	25.00		16.46	
		1175	1908.75	24.90		16.29	
	RC3, SO32 (+F-SCH)	25	1851.25	25.06		16.04	
		600	1880.00	25.20		16.46	
		1175	1908.75	25.10		16.25	
1xAdvanced	Fw d11/Rvs8 SO75 (Loopback)	25	1851.25	25.00	25.70	15.64	16.50
		600	1880	24.81		16.19	
		1175	1908.75	24.90		16.09	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	25	1851.25	25.12	25.70	15.77	16.50
		600	1880.00	25.50		16.35	
		1175	1908.75	25.10		15.72	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	25	1851.25	25.11	25.70	16.30	16.50
		600	1880	24.95		16.12	
		1175	1908.75	25.30		15.98	

CDMA BC1 Measured Results (ANT2)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pw r	Tune-up Limit	Measured Pw r	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	25	1851.25	19.11	20.00	19.06	20.25
		600	1880.00	19.30		19.25	
		1175	1908.75	19.79		19.30	
	RC3, SO55 (Loopback)	25	1851.25	19.50		19.26	
		600	1880.00	19.50		19.33	
		1175	1908.75	19.50		19.27	
	RC3, SO32 (+F-SCH)	25	1851.25	19.33		19.33	
		600	1880.00	19.50		19.60	
		1175	1908.75	19.26		19.26	
1xAdvanced	Fw d11/Rvs8 SO75 (Loopback)	25	1851.25	19.20	20.00	19.29	20.25
		600	1880	19.30		19.35	
		1175	1908.75	19.36		19.31	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	25	1851.25	19.50	20.00	19.07	20.25
		600	1880.00	19.50		19.50	
		1175	1908.75	19.50		19.33	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	25	1851.25	19.27	20.00	19.22	20.25
		600	1880	19.32		19.27	
		1175	1908.75	19.25		19.20	

CDMA BC10 Measured Results (ANT1)

Mode		Channel	Freq. (MHz)	Power Mode A {dBm}		Power Mode B {dBm}	
				Measured Pw r	Tune-up Limit	Measured Pw r	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	560	820.00	25.40	25.70	25.40	25.70
	RC3, SO55 (Loopback)	560	820.00	25.47		25.47	
	RC3, SO32 (+F-SCH)	560	820.00	25.60		25.60	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	560	820.00	25.04	25.70	25.04	25.70
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	560	820.00	25.47	25.70	25.47	25.70
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	560	820.00	24.89	25.70	24.89	25.70

CDMA BC10 Measured Results (ANT2)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pw r	Tune-up Limit	Measured Pw r	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	560	820.00	23.72	23.90	23.72	23.90
	RC3, SO55 (Loopback)	560	820.00	23.90		23.90	
	RC3, SO32 (+F-SCH)	560	820.00	23.80		23.80	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	560	820.00	23.79	23.90	23.79	23.90
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	560	820.00	23.90	23.90	23.90	23.90
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	560	820.00	23.51	23.90	23.51	23.90

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
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2
256 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2
256 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

Maximum Output Power (Tune-up Limit) 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 $\leq$ 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 $\leq \frac{1}{2}$ 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	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
LTE Band 2	QPSK	25.70	16.50	20.00	20.25	24.70	19.50	19.00	20.25
LTE Band 4	QPSK	25.70	17.00	18.50	17.25	24.70	21.25	20.00	21.00
LTE Band 5	QPSK	25.70	25.70	24.50	24.50				
LTE Band 7	QPSK	25.70	19.50	16.50	17.50	23.00	18.00	20.00	21.50
LTE Band 12	QPSK	25.70	25.70	23.90	23.90				
LTE Band 13	QPSK	25.70	25.70	23.90	23.90				
LTE Band 14	QPSK	25.70	25.70	23.90	23.90				
LTE Band 17	QPSK	25.70	25.70	23.90	23.90				
LTE Band 25	QPSK	25.70	16.50	20.00	20.25	24.70	19.50	19.00	20.25
LTE Band 26	QPSK	25.70	25.70	24.50	24.50				
LTE Band 30	QPSK	25.70	21.00	19.75	20.75	24.70	20.25	18.50	21.00
LTE Band 41 (PC3)	QPSK	25.70	22.25	18.50	19.75	24.70	20.00	21.75	22.20
LTE Band 41 (PC 2)	QPSK	27.70	N/A	N/A	N/A	26.70	N/A	N/A	24.20
LTE Band 66	QPSK	25.70	17.00	18.50	17.25	24.70	21.25	20.00	21.00
LTE Band 71	QPSK	25.70	25.70	24.50	24.50				
RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT7		ANT8		ANT9		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
LTE Band 48	QPSK	25.70	21.00	22.00	20.00	25.20	22.50	19.50	21.00

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		24.96		0.00	25.70		24.96		0.00	25.70
		1	25		25.20		0.00	25.70		25.20		0.00	25.70
		1	49		24.89		0.00	25.70		24.89		0.00	25.70
		25	0		23.95		1.00	24.70		23.95		1.00	24.70
		25	12		24.20		1.00	24.70		24.20		1.00	24.70
		25	25		23.97		1.00	24.70		23.97		1.00	24.70
	16QAM	50	0		23.92		1.00	24.70		23.92		1.00	24.70
		1	0		24.02		1.00	24.70		24.02		1.00	24.70
		1	25		23.87		1.00	24.70		23.87		1.00	24.70
		1	49		23.85		1.00	24.70		23.85		1.00	24.70
		25	0		22.96		2.00	23.70		22.96		2.00	23.70
		25	12		23.03		2.00	23.70		23.03		2.00	23.70
	64QAM	25	25		22.99		2.00	23.70		22.99		2.00	23.70
		50	0		22.92		2.00	23.70		22.92		2.00	23.70
		1	0		23.03		2.00	23.70		23.03		2.00	23.70
		1	25		22.88		2.00	23.70		22.88		2.00	23.70
		1	49		22.86		2.00	23.70		22.86		2.00	23.70
		25	0		21.97		3.00	22.70		21.97		3.00	22.70
5 MHz	QPSK	25	12		22.04		3.00	22.70		22.04		3.00	22.70
		25	25		22.00		3.00	22.70		22.00		3.00	22.70
		50	0		21.93		3.00	22.70		21.93		3.00	22.70
	16QAM	1	0		20.60		5.00	20.70		20.43		5.00	20.70
		1	25		20.56		5.00	20.70		20.66		5.00	20.70
		1	49		20.43		5.00	20.70		20.44		5.00	20.70
	64QAM	25	0		20.61		5.00	20.70		20.67		5.00	20.70
		25	12		20.52		5.00	20.70		20.51		5.00	20.70
		25	25		20.45		5.00	20.70		20.46		5.00	20.70
	256QAM	50	0		20.68		5.00	20.70		20.46		5.00	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	24.92	24.95	24.82	0.00	25.70	24.92	24.95	24.82	0.00	25.70
		1	12	25.00	24.99	24.90	0.00	25.70	25.00	24.99	24.90	0.00	25.70
		1	24	24.97	24.98	24.86	0.00	25.70	24.97	24.98	24.86	0.00	25.70
		12	0	24.01	23.96	23.91	1.00	24.70	24.01	23.96	23.91	1.00	24.70
		12	7	24.11	24.00	23.95	1.00	24.70	24.11	24.00	23.95	1.00	24.70
		12	13	24.06	23.98	24.02	1.00	24.70	24.06	23.98	24.02	1.00	24.70
	16QAM	25	0	24.04	23.96	23.93	1.00	24.70	24.04	23.96	23.93	1.00	24.70
		1	0	24.10	24.06	24.45	1.00	24.70	24.10	24.06	24.45	1.00	24.70
		1	12	24.21	24.12	24.53	1.00	24.70	24.21	24.12	24.53	1.00	24.70
		1	24	24.17	24.13	24.47	1.00	24.70	24.17	24.13	24.47	1.00	24.70
		12	0	23.04	23.01	23.07	2.00	23.70	23.04	23.01	23.07	2.00	23.70
		12	7	23.11	23.08	23.11	2.00	23.70	23.11	23.08	23.11	2.00	23.70
	64QAM	12	13	23.12	23.06	23.14	2.00	23.70	23.12	23.06	23.14	2.00	23.70
		25	0	23.03	22.99	23.01	2.00	23.70	23.03	22.99	23.01	2.00	23.70
		1	0	23.23	23.19	23.58	2.00	23.70	23.23	23.19	23.58	2.00	23.70
		1	12	23.34	23.25	23.66	2.00	23.70	23.34	23.25	23.66	2.00	23.70
		1	24	23.30	23.26	23.60	2.00	23.70	23.30	23.26	23.60	2.00	23.70
		12	0	22.17	22.14	22.20	3.00	22.70	22.17	22.14	22.20	3.00	22.70
5 MHz	256QAM	12	7	22.24	22.21	22.24	3.00	22.70	22.24	22.21	22.24	3.00	22.70
		12	13	22.25	22.19	22.27	3.00	22.70	22.25	22.19	22.27	3.00	22.70
		25	0	22.16	22.12	22.14	3.00	22.70	22.16	22.12	22.14	3.00	22.70
		1	0	20.42	20.58	20.64	5.00	20.70	20.59	20.51	20.48	5.00	20.70
		1	12	20.64	20.69	20.65	5.00	20.70	20.54	20.43	20.52	5.00	20.70
		1	24	20.45	20.48	20.66	5.00	20.70	20.63	20.68	20.67	5.00	20.70
	256QAM	12	0	20.52	20.60	20.52	5.00	20.70	20.69	20.47	20.55	5.00	20.70
		12	7	20.61	20.52	20.48	5.00	20.70	20.49	20.41	20.47	5.00	20.70
		12	13	20.63	20.45	20.55	5.00	20.70	20.64	20.68	20.59	5.00	20.70
		25	0	20.53	20.63	20.58	5.00	20.70	20.61	20.51	20.45	5.00	20.70

LTE Band 5 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20415.00	20525.00	20635.00	MPR	Tune-up Limit	20415.00	20525.00	20635.00	MPR	Tune-up Limit
				825.5 MHz	836.5 MHz	847.5 MHz			825.5 MHz	836.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	24.88	24.84	24.88	0.00	25.70	24.88	24.84	24.88	0.00	25.70
		1	8	24.91	24.86	24.94	0.00	25.70	24.91	24.86	24.94	0.00	25.70
		1	14	24.92	24.93	24.91	0.00	25.70	24.92	24.93	24.91	0.00	25.70
		8	0	24.06	23.96	23.95	1.00	24.70	24.06	23.96	23.95	1.00	24.70
		8	4	24.06	24.03	23.97	1.00	24.70	24.06	24.03	23.97	1.00	24.70
		8	7	24.09	24.01	24.03	1.00	24.70	24.09	24.01	24.03	1.00	24.70
	16QAM	15	0	24.05	23.99	23.93	1.00	24.70	24.05	23.99	23.93	1.00	24.70
		1	0	24.01	23.84	24.26	1.00	24.70	24.01	23.84	24.26	1.00	24.70
		1	8	24.02	23.91	24.30	1.00	24.70	24.02	23.91	24.30	1.00	24.70
		1	14	24.01	23.92	24.35	1.00	24.70	24.01	23.92	24.35	1.00	24.70
		8	0	23.11	23.13	22.99	2.00	23.70	23.11	23.13	22.99	2.00	23.70
		8	4	23.12	23.11	23.06	2.00	23.70	23.12	23.11	23.06	2.00	23.70
	64QAM	8	7	23.13	23.13	23.09	2.00	23.70	23.13	23.13	23.09	2.00	23.70
		15	0	23.03	23.04	23.03	2.00	23.70	23.03	23.04	23.03	2.00	23.70
		1	0	23.00	22.83	23.25	2.00	23.70	23.00	22.83	23.25	2.00	23.70
		1	8	23.01	22.89	23.29	2.00	23.70	23.01	22.89	23.29	2.00	23.70
		1	14	23.00	22.91	23.34	2.00	23.70	23.00	22.91	23.34	2.00	23.70
		8	0	22.10	22.11	21.98	3.00	22.70	22.10	22.11	21.98	3.00	22.70
	256QAM	8	4	22.11	22.10	22.05	3.00	22.70	22.11	22.10	22.05	3.00	22.70
		8	7	22.11	22.12	22.08	3.00	22.70	22.11	22.12	22.08	3.00	22.70
		15	0	22.02	22.03	22.02	3.00	22.70	22.02	22.03	22.02	3.00	22.70
		1	0	20.66	20.58	20.55	5.00	20.70	20.52	20.41	20.69	5.00	20.70
		1	8	20.67	20.55	20.59	5.00	20.70	20.50	20.47	20.64	5.00	20.70
		1	14	20.59	20.67	20.68	5.00	20.70	20.42	20.61	20.54	5.00	20.70
1.4 MHz	QPSK	8	0	20.59	20.58	20.67	5.00	20.70	20.65	20.64	20.62	5.00	20.70
		8	4	20.51	20.66	20.54	5.00	20.70	20.67	20.42	20.54	5.00	20.70
		8	7	20.48	20.64	20.40	5.00	20.70	20.51	20.49	20.41	5.00	20.70
		15	0	20.61	20.54	20.66	5.00	20.70	20.60	20.62	20.42	5.00	20.70
	16QAM	1	0	24.87	24.80	24.85	0.00	25.70	24.87	24.80	24.85	0.00	25.70
		1	3	25.01	24.86	24.90	0.00	25.70	25.01	24.86	24.90	0.00	25.70
		1	5	24.90	24.79	24.88	0.00	25.70	24.90	24.79	24.88	0.00	25.70
		3	0	24.90	24.78	24.82	0.00	25.70	24.90	24.78	24.82	0.00	25.70
		3	1	24.96	24.83	24.84	0.00	25.70	24.96	24.83	24.84	0.00	25.70
		3	3	24.95	24.85	24.84	0.00	25.70	24.95	24.85	24.84	0.00	25.70
	64QAM	6	0	23.97	23.89	23.92	1.00	24.70	23.97	23.89	23.92	1.00	24.70
		1	0	24.30	23.80	24.02	1.00	24.70	24.30	23.80	24.02	1.00	24.70
		1	3	24.37	23.94	24.09	1.00	24.70	24.37	23.94	24.09	1.00	24.70
		1	5	24.36	23.91	24.00	1.00	24.70	24.36	23.91	24.00	1.00	24.70
		3	0	24.12	24.07	23.93	1.00	24.70	24.12	24.07	23.93	1.00	24.70
		3	1	24.18	24.12	23.99	1.00	24.70	24.18	24.12	23.99	1.00	24.70
	256QAM	3	3	24.19	24.11	23.98	1.00	24.70	24.19	24.11	23.98	1.00	24.70
		6	0	22.89	23.08	23.05	2.00	23.70	22.89	23.08	23.05	2.00	23.70
		1	0	23.27	22.77	22.99	2.00	23.70	23.27	22.77	22.99	2.00	23.70
		1	3	23.34	22.91	23.06	2.00	23.70	23.34	22.91	23.06	2.00	23.70
		1	5	23.33	22.88	22.97	2.00	23.70	23.33	22.88	22.97	2.00	23.70
		3	0	23.09	23.04	22.90	2.00	23.70	23.09	23.04	22.90	2.00	23.70
1.4 MHz	64QAM	3	1	23.15	23.09	22.96	2.00	23.70	23.15	23.09	22.96	2.00	23.70
		3	3	23.16	23.08	22.95	2.00	23.70	23.16	23.08	22.95	2.00	23.70
		6	0	21.86	22.05	22.02	3.00	22.70	21.86	22.05	22.02	3.00	22.70
		1	0	20.62	20.58	20.68	5.00	20.70	20.42	20.52	20.67	5.00	20.70
		1	3	20.47	20.59	20.44	5.00	20.70	20.65	20.67	20.54	5.00	20.70
		1	5	20.60	20.50	20.56	5.00	20.70	20.68	20.61	20.51	5.00	20.70
	256QAM	3	0	20.45	20.57	20.54	5.00	20.70	20.68	20.44	20.45	5.00	20.70
		3	1	20.56	20.61	20.47	5.00	20.70	20.48	20.52	20.54	5.00	20.70
		3	3	20.55	20.59	20.46	5.00	20.70	20.41	20.63	20.40	5.00	20.70
		6	0	20.53	20.67	20.69	5.00	20.70	20.55	20.65	20.61	5.00	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		23.97		0.00	24.50				0.00	24.50
		1	25		24.00		0.00	24.50				0.00	24.50
		1	49		23.97		0.00	24.50				0.00	24.50
		25	0		23.00		1.00	23.50				1.00	23.50
		25	12		23.00		1.00	23.50				1.00	23.50
		25	25		23.00		1.00	23.50				1.00	23.50
	16QAM	50	0		23.00		1.00	23.50				1.00	23.50
		1	0		23.09		1.00	23.50				1.00	23.50
		1	25		23.02		1.00	23.50				1.00	23.50
		1	49		23.12		1.00	23.50				1.00	23.50
		25	0		22.15		2.00	22.50				2.00	22.50
		25	12		22.20		2.00	22.50				2.00	22.50
	64QAM	25	25		22.16		2.00	22.50				2.00	22.50
		50	0		22.08		2.00	22.50				2.00	22.50
		1	0		22.19		2.00	22.50				2.00	22.50
		1	25		22.25		2.00	22.50				2.00	22.50
		1	49		22.28		2.00	22.50				2.00	22.50
		25	0		21.15		3.00	21.50				3.00	21.50
	256QAM	25	12		21.23		3.00	21.50				3.00	21.50
		25	25		21.18		3.00	21.50				3.00	21.50
		50	0		21.08		3.00	21.50				3.00	21.50
		1	0		19.35		5.00	19.50				5.00	19.50
		1	25		19.28		5.00	19.50				5.00	19.50
		1	49		19.49		5.00	19.50				5.00	19.50
	25	0		19.48		5.00	19.50				5.00	19.50	
	25	12		19.36		5.00	19.50				5.00	19.50	
	25	25		19.24		5.00	19.50				5.00	19.50	
	50	0		19.24		5.00	19.50				5.00	19.50	
				19.24		5.00	19.50				5.00	19.50	
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20425	20525	20625	MPR	Tune-up Limit	20425	20525	20625	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	23.99	23.98	24.02	0.00	24.50	23.99	23.98	24.02	0.00	24.50
		1	12	24.08	24.07	24.11	0.00	24.50	24.08	24.07	24.11	0.00	24.50
		1	24	24.04	24.04	24.06	0.00	24.50	24.04	24.04	24.06	0.00	24.50
		12	0	23.04	23.04	23.10	1.00	23.50	23.04	23.04	23.10	1.00	23.50
		12	7	23.14	23.13	23.19	1.00	23.50	23.14	23.13	23.19	1.00	23.50
		12	13	23.09	23.12	23.16	1.00	23.50	23.09	23.12	23.16	1.00	23.50
	16QAM	25	0	23.09	23.10	23.13	1.00	23.50	23.09	23.10	23.13	1.00	23.50
		1	0	23.11	23.17	23.25	1.00	23.50	23.11	23.17	23.25	1.00	23.50
		1	12	23.28	23.23	23.32	1.00	23.50	23.28	23.23	23.32	1.00	23.50
		1	24	23.27	23.22	23.19	1.00	23.50	23.27	23.22	23.19	1.00	23.50
		12	0	22.11	22.08	22.15	2.00	22.50	22.11	22.08	22.15	2.00	22.50
		12	7	22.18	22.19	22.27	2.00	22.50	22.18	22.19	22.27	2.00	22.50
	64QAM	12	13	22.15	22.14	22.21	2.00	22.50	22.15	22.14	22.21	2.00	22.50
		25	0	22.04	22.05	22.09	2.00	22.50	22.04	22.05	22.09	2.00	22.50
		1	0	22.25	22.27	22.33	2.00	22.50	22.25	22.27	22.33	2.00	22.50
		1	12	22.39	22.36	22.46	2.00	22.50	22.39	22.36	22.46	2.00	22.50
		1	24	22.35	22.34	22.37	2.00	22.50	22.35	22.34	22.37	2.00	22.50
		12	0	21.14	21.13	21.15	3.00	21.50	21.14	21.13	21.15	3.00	21.50
	256QAM	12	7	21.22	21.24	21.25	3.00	21.50	21.22	21.24	21.25	3.00	21.50
		12	13	21.18	21.21	21.26	3.00	21.50	21.18	21.21	21.26	3.00	21.50
		25	0	21.12	21.14	21.20	3.00	21.50	21.12	21.14	21.20	3.00	21.50
		1	0	19.40	19.48	19.32	5.00	19.50	19.40	19.48	19.32	5.00	19.50
		1	12	19.25	19.20	19.33	5.00	19.50	19.25	19.20	19.33	5.00	19.50
		1	24	19.37	19.36	19.43	5.00	19.50	19.37	19.36	19.43	5.00	19.50
	12	0	19.28	19.39	19.30	5.00	19.50	19.28	19.39	19.30	5.00	19.50	
	12	7	19.41	19.42	19.30	5.00	19.50	19.41	19.42	19.30	5.00	19.50	
	12	13	19.24	19.36	19.36	5.00	19.50	19.24	19.36	19.36	5.00	19.50	
	25	0	19.35	19.34	19.37	5.00	19.50	19.35	19.34	19.37	5.00	19.50	

LTE Band 5 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20415	20525	20635	MPR	Tune-up Limit	20415	20525	20635	MPR	Tune-up Limit
				825.5 MHz	836.5 MHz	847.5 MHz			825.5 MHz	836.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	23.90	23.92	24.01	0.00	24.50	23.90	23.92	24.01	0.00	24.50
		1	8	23.96	23.95	24.03	0.00	24.50	23.96	23.95	24.03	0.00	24.50
		1	14	23.99	24.01	24.03	0.00	24.50	23.99	24.01	24.03	0.00	24.50
		8	0	23.01	23.02	23.12	1.00	23.50	23.01	23.02	23.12	1.00	23.50
		8	4	23.10	23.14	23.16	1.00	23.50	23.10	23.14	23.16	1.00	23.50
		8	7	23.17	23.14	23.23	1.00	23.50	23.17	23.14	23.23	1.00	23.50
	16QAM	15	0	23.10	23.09	23.12	1.00	23.50	23.10	23.09	23.12	1.00	23.50
		1	0	23.00	23.01	23.19	1.00	23.50	23.00	23.01	23.19	1.00	23.50
		1	8	23.04	23.08	23.17	1.00	23.50	23.04	23.08	23.17	1.00	23.50
		1	14	23.03	23.11	23.17	1.00	23.50	23.03	23.11	23.17	1.00	23.50
		8	0	22.11	22.12	22.13	2.00	22.50	22.11	22.12	22.13	2.00	22.50
		8	4	22.20	22.19	22.22	2.00	22.50	22.20	22.19	22.22	2.00	22.50
	64QAM	8	7	22.22	22.17	22.27	2.00	22.50	22.22	22.17	22.27	2.00	22.50
		15	0	22.07	22.08	22.12	2.00	22.50	22.07	22.08	22.12	2.00	22.50
		1	0	22.20	22.23	22.34	2.00	22.50	22.20	22.23	22.34	2.00	22.50
		1	8	22.23	22.29	22.37	2.00	22.50	22.23	22.29	22.37	2.00	22.50
		1	14	22.24	22.26	22.37	2.00	22.50	22.24	22.26	22.37	2.00	22.50
		8	0	20.99	21.02	21.11	3.00	21.50	20.99	21.02	21.11	3.00	21.50
	256QAM	8	4	21.14	21.13	21.13	3.00	21.50	21.14	21.13	21.13	3.00	21.50
		8	7	21.15	21.13	21.20	3.00	21.50	21.15	21.13	21.20	3.00	21.50
		15	0	21.17	21.14	21.20	3.00	21.50	21.17	21.14	21.20	3.00	21.50
		1	0	19.40	19.31	19.31	5.00	19.50	19.40	19.31	19.31	5.00	19.50
		1	8	19.27	19.27	19.45	5.00	19.50	19.27	19.27	19.45	5.00	19.50
		1	14	19.30	19.42	19.39	5.00	19.50	19.30	19.42	19.39	5.00	19.50
1.4 MHz	QPSK	8	0	19.37	19.25	19.39	5.00	19.50	19.37	19.25	19.39	5.00	19.50
		8	4	19.29	19.31	19.47	5.00	19.50	19.29	19.31	19.47	5.00	19.50
		8	7	19.39	19.33	19.42	5.00	19.50	19.39	19.33	19.42	5.00	19.50
		15	0	19.49	19.42	19.48	5.00	19.50	19.49	19.42	19.48	5.00	19.50
	16QAM	1	0	23.88	23.96	24.02	0.00	24.50	23.88	23.96	24.02	0.00	24.50
		1	3	23.96	24.03	24.08	0.00	24.50	23.96	24.03	24.08	0.00	24.50
		1	5	23.88	23.96	23.99	0.00	24.50	23.88	23.96	23.99	0.00	24.50
		3	0	23.88	23.91	24.00	0.00	24.50	23.88	23.91	24.00	0.00	24.50
		3	1	23.93	23.96	24.03	0.00	24.50	23.93	23.96	24.03	0.00	24.50
		3	3	23.93	23.93	24.07	0.00	24.50	23.93	23.93	24.07	0.00	24.50
	64QAM	6	0	23.05	23.05	23.10	1.00	23.50	23.05	23.05	23.10	1.00	23.50
		1	0	23.00	23.03	23.45	1.00	23.50	23.00	23.03	23.45	1.00	23.50
		1	3	23.05	23.22	23.46	1.00	23.50	23.05	23.22	23.46	1.00	23.50
		1	5	23.05	23.13	23.41	1.00	23.50	23.05	23.13	23.41	1.00	23.50
		3	0	23.14	23.06	23.28	1.00	23.50	23.14	23.06	23.28	1.00	23.50
		3	1	23.21	23.13	23.31	1.00	23.50	23.21	23.13	23.31	1.00	23.50
	256QAM	3	3	23.25	23.14	23.33	1.00	23.50	23.25	23.14	23.33	1.00	23.50
		6	0	22.19	22.16	22.04	2.00	22.50	22.19	22.16	22.04	2.00	22.50
		1	0	22.37	22.38	22.20	2.00	22.50	22.37	22.38	22.20	2.00	22.50
		1	3	22.49	22.42	22.25	2.00	22.50	22.49	22.42	22.25	2.00	22.50
		1	5	22.40	22.39	22.01	2.00	22.50	22.40	22.39	22.01	2.00	22.50
		3	0	22.35	22.36	22.17	2.00	22.50	22.35	22.36	22.17	2.00	22.50
	64QAM	3	1	22.36	22.40	22.22	2.00	22.50	22.36	22.40	22.22	2.00	22.50
		3	3	22.39	22.37	22.29	2.00	22.50	22.39	22.37	22.29	2.00	22.50
		6	0	20.99	21.04	21.41	3.00	21.50	20.99	21.04	21.41	3.00	21.50
		1	0	19.22	19.38	19.30	5.00	19.50	19.22	19.38	19.30	5.00	19.50
		1	3	19.26	19.40	19.26	5.00	19.50	19.26	19.40	19.26	5.00	19.50
		1	5	19.49	19.28	19.49	5.00	19.50	19.49	19.28	19.49	5.00	19.50
	256QAM	3	0	19.41	19.30	19.33	5.00	19.50	19.41	19.30	19.33	5.00	19.50
		3	1	19.46	19.24	19.41	5.00	19.50	19.46	19.24	19.41	5.00	19.50
		3	3	19.45	19.45	19.24	5.00	19.50	19.45	19.45	19.24	5.00	19.50
		6	0	19.46	19.33	19.47	5.00	19.50	19.46	19.33	19.47	5.00	19.50

LTE Band 7 Measured Results (ANT1)

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	25.35	25.47	25.47	0.00	25.70	19.33	19.20	19.17	0.00	19.50
		1	49	25.50	25.50	25.50	0.00	25.70	19.50	19.50	19.50	0.00	19.50
		1	99	25.25	25.43	25.44	0.00	25.70	19.19	19.13	19.09	0.00	19.50
		50	0	24.46	24.56	24.49	1.00	24.70	19.42	19.28	19.19	0.00	19.50
		50	24	24.60	24.60	24.60	1.00	24.70	19.50	19.50	19.50	0.00	19.50
		50	50	24.29	24.50	24.49	1.00	24.70	19.27	19.22	19.21	0.00	19.50
	16QAM	100	0	24.26	24.45	24.46	1.00	24.70	19.21	19.50	19.17	0.00	19.50
		1	0	24.06	24.48	24.52	1.00	24.70	19.38	19.26	19.22	0.00	19.50
		1	49	24.00	24.47	24.47	1.00	24.70	19.31	19.20	19.20	0.00	19.50
		1	99	23.91	24.44	24.47	1.00	24.70	19.26	19.17	19.15	0.00	19.50
		50	0	23.37	23.51	23.43	2.00	23.70	19.40	19.28	19.18	0.00	19.50
		50	24	23.26	23.52	23.50	2.00	23.70	19.28	19.27	19.26	0.00	19.50
	64QAM	50	50	23.24	23.47	23.49	2.00	23.70	19.23	19.21	19.20	0.00	19.50
		100	0	23.21	23.47	23.45	2.00	23.70	19.24	19.20	19.18	0.00	19.50
		1	0	22.88	23.33	23.28	2.00	23.70	19.38	19.45	19.36	0.00	19.50
		1	49	22.81	23.28	23.31	2.00	23.70	19.31	19.40	19.38	0.00	19.50
		1	99	22.90	23.28	23.31	2.00	23.70	19.40	19.39	19.36	0.00	19.50
		50	0	21.73	22.58	22.50	3.00	22.70	19.44	19.31	19.21	0.00	19.50
	256QAM	50	24	22.22	22.58	22.57	3.00	22.70	19.32	19.33	19.28	0.00	19.50
		50	50	22.17	22.54	22.54	3.00	22.70	19.28	19.27	19.25	0.00	19.50
		100	0	22.13	22.49	22.47	3.00	22.70	19.25	19.21	19.18	0.00	19.50
		1	0	20.58	20.63	20.57	5.00	20.70	19.10	19.07	19.09	0.00	19.50
		1	49	20.66	20.69	20.44	5.00	20.70	19.05	19.05	19.05	0.00	19.50
		1	99	20.68	20.42	20.45	5.00	20.70	19.02	19.08	19.01	0.00	19.50
15 MHz	QPSK	50	0	20.44	20.53	20.50	5.00	20.70	19.05	19.07	19.02	0.00	19.50
		50	24	20.67	20.70	20.65	5.00	20.70	19.06	19.03	19.08	0.00	19.50
		50	50	20.52	20.48	20.47	5.00	20.70	19.00	19.07	19.02	0.00	19.50
		100	0	20.44	20.46	20.42	5.00	20.70	19.09	19.07	19.03	0.00	19.50
	16QAM	1	0	25.44	25.51	25.49	0.00	25.70	19.15	18.97	18.96	0.00	19.50
		1	37	25.36	25.47	25.47	0.00	25.70	19.08	18.93	18.92	0.00	19.50
		1	74	25.30	25.45	25.48	0.00	25.70	19.04	18.93	18.92	0.00	19.50
		36	0	24.45	24.53	24.49	1.00	24.70	19.16	19.03	18.93	0.00	19.50
		36	20	24.43	24.52	24.47	1.00	24.70	19.15	19.03	18.93	0.00	19.50
		36	39	24.33	24.50	24.52	1.00	24.70	19.03	19.01	19.00	0.00	19.50
	64QAM	75	0	24.26	24.45	24.40	1.00	24.70	18.99	18.97	18.85	0.00	19.50
		1	0	24.04	24.48	24.53	1.00	24.70	19.29	19.32	19.38	0.00	19.50
		1	37	24.02	24.51	24.53	1.00	24.70	19.31	19.39	19.39	0.00	19.50
		1	74	23.94	24.52	24.53	1.00	24.70	19.26	19.43	19.38	0.00	19.50
		36	0	23.22	23.51	23.45	2.00	23.70	19.17	19.01	18.91	0.00	19.50
		36	20	23.20	23.49	23.43	2.00	23.70	19.14	18.99	18.93	0.00	19.50
	256QAM	36	39	23.10	23.48	23.48	2.00	23.70	19.02	18.99	18.96	0.00	19.50
		75	0	23.10	23.46	23.41	2.00	23.70	19.00	18.98	18.90	0.00	19.50
		1	0	23.25	23.45	23.42	2.00	23.70	19.33	19.07	19.02	0.00	19.50
		1	37	23.19	23.42	23.46	2.00	23.70	19.22	19.07	19.07	0.00	19.50
		1	74	23.12	23.46	23.48	2.00	23.70	19.13	19.08	19.08	0.00	19.50
		36	0	22.06	22.54	22.47	3.00	22.70	19.19	19.02	18.94	0.00	19.50
15 MHz	QPSK	36	20	22.06	22.55	22.48	3.00	22.70	19.18	19.02	18.94	0.00	19.50
		36	39	21.92	22.51	22.51	3.00	22.70	19.05	19.01	18.99	0.00	19.50
		75	0	21.93	22.51	22.44	3.00	22.70	19.08	19.01	18.93	0.00	19.50
	16QAM	1	0	20.46	20.67	20.48	5.00	20.70	19.05	19.03	19.08	0.00	19.50
		1	37	20.42	20.58	20.56	5.00	20.70	19.02	19.03	19.07	0.00	19.50
		1	74	20.46	20.55	20.61	5.00	20.70	19.03	19.00	19.00	0.00	19.50
	64QAM	36	0	20.45	20.45	20.42	5.00	20.70	19.05	19.05	19.07	0.00	19.50
		36	20	20.46	20.60	20.56	5.00	20.70	19.10	19.06	19.04	0.00	19.50
		36	39	20.41	20.68	20.62	5.00	20.70	19.07	19.05	19.07	0.00	19.50
		75	0	20.41	20.50	20.51	5.00	20.70	19.01	19.04	19.03	0.00	19.50

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	25.17	25.47	25.39	0.00	25.70	19.02	18.90	18.83	0.00	19.50
		1	25	25.12	25.46	25.43	0.00	25.70	18.97	18.91	18.84	0.00	19.50
		1	49	25.15	25.48	25.45	0.00	25.70	18.99	18.88	18.85	0.00	19.50
		25	0	24.27	24.56	24.44	1.00	24.70	19.17	19.03	18.89	0.00	19.50
		25	12	24.29	24.57	24.55	1.00	24.70	19.18	19.06	19.01	0.00	19.50
		25	25	24.24	24.57	24.50	1.00	24.70	19.13	19.02	18.97	0.00	19.50
	16QAM	1	0	24.20	24.51	24.44	1.00	24.70	19.11	18.97	18.92	0.00	19.50
		1	25	24.31	24.63	24.52	1.00	24.70	19.14	19.10	19.00	0.00	19.50
		1	25	24.21	24.53	24.46	1.00	24.70	19.12	19.01	18.96	0.00	19.50
		1	49	24.25	24.54	24.52	1.00	24.70	19.11	19.03	18.96	0.00	19.50
		25	0	23.37	23.64	23.52	2.00	23.70	19.26	19.15	19.01	0.00	19.50
		25	12	23.37	23.67	23.61	2.00	23.70	19.27	19.16	19.10	0.00	19.50
	64QAM	25	25	23.32	23.64	23.58	2.00	23.70	19.23	19.13	19.08	0.00	19.50
		50	0	23.23	23.52	23.48	2.00	23.70	19.12	19.00	18.95	0.00	19.50
		1	0	22.89	23.39	23.27	2.00	23.70	19.49	19.34	19.15	0.00	19.50
		1	25	22.83	23.32	23.29	2.00	23.70	19.34	19.24	19.16	0.00	19.50
		1	49	22.81	23.32	23.31	2.00	23.70	19.32	19.18	19.14	0.00	19.50
		25	0	21.75	22.64	22.51	3.00	22.70	19.24	19.14	19.03	0.00	19.50
	256QAM	25	12	21.75	22.63	22.61	3.00	22.70	19.26	19.14	19.11	0.00	19.50
		25	25	21.73	22.65	22.60	3.00	22.70	19.23	19.13	19.08	0.00	19.50
		50	0	21.72	22.52	22.46	3.00	22.70	19.11	19.02	18.97	0.00	19.50
		1	0	20.54	20.62	20.53	5.00	20.70	19.09	19.05	19.00	0.00	19.50
		1	25	20.55	20.44	20.54	5.00	20.70	19.01	19.01	19.09	0.00	19.50
		1	49	20.49	20.47	20.50	5.00	20.70	19.08	19.06	19.05	0.00	19.50
5 MHz	QPSK	25	0	20.61	20.69	20.49	5.00	20.70	19.03	19.07	19.03	0.00	19.50
		25	12	20.60	20.63	20.64	5.00	20.70	19.09	19.02	19.08	0.00	19.50
		25	25	20.65	20.48	20.44	5.00	20.70	19.09	19.02	19.10	0.00	19.50
		50	0	20.64	20.45	20.48	5.00	20.70	19.09	19.00	19.00	0.00	19.50
	16QAM	1	0	24.77	25.57	25.47	0.00	25.70	19.16	18.97	18.83	0.00	19.50
		1	12	24.72	25.54	25.51	0.00	25.70	19.09	18.92	18.84	0.00	19.50
		1	24	24.77	25.59	25.54	0.00	25.70	19.15	18.95	18.85	0.00	19.50
		12	0	23.98	24.60	24.48	1.00	24.70	19.08	18.95	18.85	0.00	19.50
		12	7	23.71	24.64	24.51	1.00	24.70	19.08	18.98	18.84	0.00	19.50
		12	13	23.86	24.58	24.52	1.00	24.70	19.03	18.93	18.87	0.00	19.50
	64QAM	25	0	23.72	24.58	24.43	1.00	24.70	19.10	18.94	18.83	0.00	19.50
		1	0	23.95	24.43	24.64	1.00	24.70	19.27	19.14	19.00	0.00	19.50
		1	12	23.85	24.38	24.68	1.00	24.70	19.22	19.12	19.07	0.00	19.50
		1	24	23.93	24.40	24.67	1.00	24.70	19.25	19.10	19.07	0.00	19.50
		12	0	22.78	23.63	23.50	2.00	23.70	19.14	19.02	18.86	0.00	19.50
		12	7	22.80	23.64	23.51	2.00	23.70	19.20	19.02	18.92	0.00	19.50
	256QAM	12	13	22.77	23.63	23.57	2.00	23.70	19.17	19.02	18.93	0.00	19.50
		25	0	22.73	23.54	23.38	2.00	23.70	19.11	18.88	18.76	0.00	19.50
		1	0	22.99	23.35	23.25	2.00	23.70	19.41	19.25	19.15	0.00	19.50
		1	12	22.98	23.35	23.32	2.00	23.70	19.40	19.25	19.23	0.00	19.50
		1	24	23.00	23.36	23.34	2.00	23.70	19.40	19.26	19.19	0.00	19.50
		12	0	21.73	22.63	22.48	3.00	22.70	19.16	19.01	18.92	0.00	19.50
5 MHz	64QAM	12	7	21.79	22.64	22.56	3.00	22.70	19.21	19.04	18.94	0.00	19.50
		12	13	21.75	22.58	22.61	3.00	22.70	19.20	19.03	18.98	0.00	19.50
		25	0	21.87	22.56	22.45	3.00	22.70	19.12	18.96	18.84	0.00	19.50
	256QAM	1	0	20.63	20.56	20.58	5.00	20.70	19.05	19.06	19.02	0.00	19.50
		1	12	20.57	20.50	20.51	5.00	20.70	19.10	19.09	19.02	0.00	19.50
		1	24	20.53	20.52	20.57	5.00	20.70	19.04	19.07	19.06	0.00	19.50
	256QAM	12	0	20.46	20.66	20.61	5.00	20.70	19.07	19.08	19.08	0.00	19.50
		12	7	20.43	20.60	20.54	5.00	20.70	19.03	19.05	19.04	0.00	19.50
		12	13	20.46	20.66	20.55	5.00	20.70	19.08	19.06	19.02	0.00	19.50
		25	0	20.68	20.67	20.55	5.00	20.70	19.02	19.04	19.06	0.00	19.50

LTE Band 7 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20800	21100	21400	MPR	Tune-up Limit	20800	21100	21400	MPR	Tune-up Limit
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	16.27	16.35	16.32	0.00	16.50	16.82	16.86	16.89	0.00	17.50
		1	25	16.27	16.35	16.33	0.00	16.50	16.82	16.88	16.89	0.00	17.50
		1	49	16.26	16.33	16.33	0.00	16.50	16.82	16.90	16.85	0.00	17.50
		25	0	16.40	16.47	16.39	0.00	16.50	16.93	17.01	16.95	0.00	17.50
		25	12	16.41	16.49	16.41	0.00	16.50	16.95	17.04	16.96	0.00	17.50
		25	25	16.41	16.45	16.46	0.00	16.50	16.92	16.99	17.00	0.00	17.50
	16QAM	50	0	16.32	16.38	16.30	0.00	16.50	16.89	16.97	16.88	0.00	17.50
		1	0	15.87	15.99	16.01	0.00	16.50	16.97	16.99	17.01	0.00	17.50
		1	25	15.82	15.95	15.95	0.00	16.50	16.89	16.94	16.95	0.00	17.50
		1	49	15.89	15.98	15.98	0.00	16.50	16.91	16.96	16.97	0.00	17.50
		25	0	15.98	16.06	16.05	0.00	16.50	17.04	17.08	17.02	0.00	17.50
		25	12	15.98	16.10	16.03	0.00	16.50	17.03	17.10	17.02	0.00	17.50
	64QAM	25	25	15.98	16.07	16.07	0.00	16.50	17.01	17.08	17.08	0.00	17.50
		50	0	15.86	15.95	15.88	0.00	16.50	16.89	16.97	16.90	0.00	17.50
		1	0	16.19	16.08	16.10	0.00	16.50	17.18	17.11	17.15	0.00	17.50
		1	25	16.08	16.08	16.11	0.00	16.50	17.08	17.16	17.14	0.00	17.50
		1	49	16.09	16.12	16.15	0.00	16.50	17.13	17.16	17.24	0.00	17.50
		25	0	15.97	16.07	16.02	0.00	16.50	16.60	17.10	17.01	0.00	17.50
	256QAM	25	12	15.98	16.04	16.00	0.00	16.50	16.61	17.09	17.02	0.00	17.50
		25	25	15.98	16.06	16.05	0.00	16.50	16.62	17.08	17.08	0.00	17.50
		50	0	15.85	15.91	15.83	0.00	16.50	16.50	16.95	16.88	0.00	17.50
		1	0	15.90	15.93	15.95	0.00	16.50	16.85	17.08	17.02	0.00	17.50
		1	25	15.94	15.93	15.99	0.00	16.50	16.94	17.03	16.91	0.00	17.50
		1	49	15.95	15.91	15.97	0.00	16.50	16.96	17.06	16.89	0.00	17.50
5 MHz	QPSK	25	0	15.90	15.92	15.98	0.00	16.50	16.82	16.82	16.98	0.00	17.50
		25	12	15.94	15.96	15.99	0.00	16.50	16.89	16.93	17.08	0.00	17.50
		25	25	15.99	15.98	15.99	0.00	16.50	16.82	17.04	16.96	0.00	17.50
		50	0	15.92	15.91	15.92	0.00	16.50	16.97	17.07	17.08	0.00	17.50
	16QAM	1	0	16.29	16.23	16.23	0.00	16.50	17.39	17.42	17.38	0.00	17.50
		1	12	16.24	16.21	16.19	0.00	16.50	17.33	17.37	17.36	0.00	17.50
		1	24	16.24	16.19	16.20	0.00	16.50	17.35	17.42	17.35	0.00	17.50
		12	0	16.27	16.19	16.18	0.00	16.50	17.26	17.39	17.38	0.00	17.50
		12	7	16.30	16.19	16.18	0.00	16.50	17.32	17.43	17.38	0.00	17.50
		12	13	16.24	16.20	16.21	0.00	16.50	17.29	17.37	17.35	0.00	17.50
	64QAM	25	0	16.22	16.25	16.23	0.00	16.50	17.32	17.35	17.35	0.00	17.50
		1	0	15.85	16.24	16.09	0.00	16.50	16.97	17.03	17.00	0.00	17.50
		1	12	15.82	16.17	16.13	0.00	16.50	16.95	17.02	16.94	0.00	17.50
		1	24	15.89	16.18	16.14	0.00	16.50	17.03	17.04	17.01	0.00	17.50
		12	0	15.80	15.88	15.71	0.00	16.50	17.34	17.41	17.41	0.00	17.50
		12	7	15.85	15.88	15.73	0.00	16.50	17.38	17.43	17.45	0.00	17.50
	256QAM	12	13	15.78	15.89	15.72	0.00	16.50	17.36	17.42	17.38	0.00	17.50
		25	0	15.69	15.77	15.71	0.00	16.50	17.31	17.30	17.28	0.00	17.50
		1	0	16.06	15.86	15.84	0.00	16.50	17.09	17.19	17.18	0.00	17.50
		1	12	16.05	15.87	15.89	0.00	16.50	17.12	17.19	17.18	0.00	17.50
		1	24	16.06	15.88	15.88	0.00	16.50	17.11	17.17	17.14	0.00	17.50
		12	0	15.81	15.76	15.76	0.00	16.50	16.94	17.42	17.46	0.00	17.50
5 MHz	64QAM	12	7	15.87	15.76	15.74	0.00	16.50	17.00	17.00	17.44	0.00	17.50
		12	13	15.82	15.76	15.76	0.00	16.50	16.96	17.44	17.42	0.00	17.50
		25	0	15.78	15.75	15.74	0.00	16.50	16.91	17.35	17.35	0.00	17.50
		1	0	15.95	15.97	15.90	0.00	16.50	16.89	16.93	17.04	0.00	17.50
		1	12	16.00	15.96	15.96	0.00	16.50	17.02	16.94	16.84	0.00	17.50
		1	24	15.93	15.90	15.99	0.00	16.50	16.83	16.89	17.03	0.00	17.50
	256QAM	12	0	15.97	15.94	15.95	0.00	16.50	16.93	17.00	16.98	0.00	17.50
		12	7	15.94	15.94	15.95	0.00	16.50	16.90	16.85	16.95	0.00	17.50
		12	13	15.95	15.98	15.92	0.00	16.50	16.93	16.94	17.09	0.00	17.50
		25	0	15.93	16.00	15.95	0.00	16.50	16.95	16.87	17.08	0.00	17.50

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	22.51	22.76	22.64	0.00	23.00	17.18	17.46	17.38	0.00	18.00
		1	49	23.00	23.00	23.00	0.00	23.00	17.90	17.60	17.50	0.00	18.00
		1	99	22.95	22.60	22.48	0.00	23.00	17.63	17.30	17.16	0.00	18.00
		50	0	22.69	22.77	22.64	0.00	23.00	17.60	17.52	17.43	0.00	18.00
		50	24	23.00	23.00	23.00	0.00	23.00	17.90	17.60	17.50	0.00	18.00
		50	50	22.72	22.58	22.50	0.00	23.00	17.68	17.38	17.29	0.00	18.00
	16QAM	100	0	22.61	23.00	22.54	0.00	23.00	17.54	17.60	17.32	0.00	18.00
		1	0	22.52	22.96	23.00	0.00	23.00	17.17	17.48	17.36	0.00	18.00
		1	49	22.95	22.84	22.96	0.00	23.00	17.60	17.32	17.31	0.00	18.00
		1	99	22.93	23.00	22.86	0.00	23.00	17.64	17.33	17.21	0.00	18.00
		50	0	21.83	21.72	22.61	0.30	22.70	17.43	17.39	17.27	0.00	18.00
		50	24	21.99	22.68	22.61	0.30	22.70	17.59	17.29	17.25	0.00	18.00
	64QAM	50	50	21.88	22.58	22.47	0.30	22.70	17.67	17.37	17.30	0.00	18.00
		100	0	21.81	22.61	22.54	0.30	22.70	17.55	17.40	17.32	0.00	18.00
		1	0	21.78	22.58	22.56	0.30	22.70	17.42	17.59	17.65	0.00	18.00
		1	49	22.15	22.41	22.47	0.30	22.70	17.63	17.55	17.58	0.00	18.00
		1	99	22.11	22.37	22.65	0.30	22.70	17.59	17.52	17.42	0.00	18.00
		50	0	20.88	21.38	21.68	1.30	21.70	17.40	17.57	17.50	0.00	18.00
	256QAM	50	24	20.99	21.33	21.67	1.30	21.70	17.50	17.46	17.46	0.00	18.00
		50	50	20.94	21.61	21.53	1.30	21.70	17.46	17.41	17.36	0.00	18.00
		100	0	20.85	21.64	21.57	1.30	21.70	17.57	17.37	17.36	0.00	18.00
		1	0	19.65	19.55	19.54	3.30	19.70	17.56	17.43	17.67	0.00	18.00
		1	49	19.67	19.61	19.62	3.30	19.70	17.56	17.57	17.69	0.00	18.00
		1	99	19.45	19.41	19.68	3.30	19.70	17.53	17.66	17.46	0.00	18.00
		50	0	19.44	19.57	19.67	3.30	19.70	17.64	17.54	17.55	0.00	18.00
		50	24	19.41	19.46	19.42	3.30	19.70	17.43	17.49	17.55	0.00	18.00
15 MHz	QPSK	50	50	19.58	19.54	19.50	3.30	19.70	17.47	17.48	17.53	0.00	18.00
		100	0	19.63	19.52	19.60	3.30	19.70	17.68	17.66	17.55	0.00	18.00
	16QAM	1	0	22.56	22.81	22.66	0.00	23.00	17.19	17.51	17.42	0.00	18.00
		1	37	22.96	22.63	22.57	0.00	23.00	17.64	17.35	17.33	0.00	18.00
		1	74	23.00	22.64	22.52	0.00	23.00	17.68	17.34	17.25	0.00	18.00
		36	0	22.58	22.73	22.62	0.00	23.00	17.53	17.54	17.44	0.00	18.00
	64QAM	36	20	22.76	22.68	22.62	0.00	23.00	17.68	17.46	17.40	0.00	18.00
		36	39	22.74	22.66	22.58	0.00	23.00	17.70	17.44	17.38	0.00	18.00
		75	0	22.57	22.61	22.51	0.00	23.00	17.54	17.38	17.34	0.00	18.00
	256QAM	1	0	22.54	22.92	22.91	0.00	23.00	17.11	17.36	17.31	0.00	18.00
		1	37	22.91	22.86	22.94	0.00	23.00	17.66	17.34	17.28	0.00	18.00
		1	74	23.00	22.82	22.85	0.00	23.00	17.67	17.29	17.19	0.00	18.00
	16QAM	36	0	21.74	22.60	22.59	0.30	22.70	17.51	17.51	17.42	0.00	18.00
		36	20	21.92	22.65	22.60	0.30	22.70	17.67	17.47	17.40	0.00	18.00
		36	39	21.92	22.65	22.56	0.30	22.70	17.68	17.43	17.34	0.00	18.00
	64QAM	75	0	21.78	22.63	22.54	0.30	22.70	17.51	17.41	17.35	0.00	18.00
		1	0	22.06	22.60	22.55	0.30	22.70	17.22	17.57	17.47	0.00	18.00
		1	37	22.52	22.43	22.48	0.30	22.70	17.64	17.43	17.37	0.00	18.00
		1	74	22.50	22.41	22.67	0.30	22.70	17.67	17.39	17.26	0.00	18.00
	256QAM	36	0	20.78	21.37	21.63	1.30	21.70	17.54	17.58	17.48	0.00	18.00
		36	20	20.97	21.30	21.65	1.30	21.70	17.52	17.49	17.45	0.00	18.00
		36	39	20.94	21.69	21.59	1.30	21.70	17.67	17.49	17.43	0.00	18.00
		75	0	20.82	21.67	21.62	1.30	21.70	17.59	17.46	17.42	0.00	18.00
	16QAM	1	0	19.43	19.56	19.62	3.30	19.70	17.65	17.70	17.63	0.00	18.00
		1	37	19.53	19.54	19.56	3.30	19.70	17.59	17.52	17.69	0.00	18.00
		1	74	19.56	19.64	19.68	3.30	19.70	17.70	17.40	17.42	0.00	18.00
		36	0	19.66	19.44	19.69	3.30	19.70	17.60	17.69	17.42	0.00	18.00
		36	20	19.62	19.55	19.61	3.30	19.70	17.45	17.65	17.61	0.00	18.00
		36	39	19.49	19.57	19.62	3.30	19.70	17.48	17.68	17.49	0.00	18.00
	256QAM	75	0	19.49	19.62	19.50	3.30	19.70	17.45	17.47	17.47	0.00	18.00

LTE Band 7 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20800	21100	21400	MPR	Tune-up Limit	20800	21100	21400	MPR	Tune-up Limit
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	22.50	22.70	22.57	0.00	23.00	17.09	17.38	17.25	0.00	18.00
		1	25	22.85	22.62	22.54	0.00	23.00	17.49	17.34	17.25	0.00	18.00
		1	49	22.93	22.59	22.46	0.00	23.00	17.58	17.29	17.14	0.00	18.00
		25	0	22.53	22.70	22.62	0.00	23.00	17.46	17.48	17.39	0.00	18.00
		25	12	22.63	22.72	22.62	0.00	23.00	17.59	17.50	17.42	0.00	18.00
		25	25	22.70	22.68	22.58	0.00	23.00	17.66	17.48	17.36	0.00	18.00
	16QAM	50	0	22.53	22.64	22.54	0.00	23.00	17.46	17.40	17.32	0.00	18.00
		1	0	22.16	22.81	22.63	0.00	23.00	17.23	17.55	17.37	0.00	18.00
		1	25	22.45	22.69	22.56	0.00	23.00	17.58	17.44	17.33	0.00	18.00
		1	49	22.58	22.70	22.52	0.00	23.00	17.56	17.47	17.34	0.00	18.00
		25	0	21.82	21.77	22.61	0.30	22.70	17.39	17.60	17.52	0.00	18.00
		25	12	21.91	22.67	22.61	0.30	22.70	17.50	17.58	17.52	0.00	18.00
	64QAM	25	25	22.00	22.67	22.67	0.30	22.70	17.58	17.60	17.47	0.00	18.00
		50	0	21.75	22.65	22.57	0.30	22.70	17.31	17.45	17.37	0.00	18.00
		1	0	21.82	22.60	22.56	0.30	22.70	17.27	17.67	17.63	0.00	18.00
		1	25	22.07	22.52	22.52	0.30	22.70	17.61	17.62	17.55	0.00	18.00
		1	49	22.12	22.42	22.40	0.30	22.70	17.66	17.58	17.45	0.00	18.00
		25	0	20.75	21.41	21.46	1.30	21.70	17.48	17.61	17.52	0.00	18.00
	256QAM	25	12	20.84	21.39	21.44	1.30	21.70	17.62	17.61	17.49	0.00	18.00
		25	25	20.96	21.69	21.41	1.30	21.70	17.69	17.58	17.47	0.00	18.00
		50	0	20.71	21.66	21.59	1.30	21.70	17.47	17.44	17.33	0.00	18.00
		1	0	19.40	19.43	19.48	3.30	19.70	17.51	17.51	17.40	0.00	18.00
		1	25	19.52	19.52	19.69	3.30	19.70	17.59	17.65	17.54	0.00	18.00
		1	49	19.41	19.54	19.45	3.30	19.70	17.44	17.44	17.64	0.00	18.00
5 MHz	QPSK	25	0	19.69	19.46	19.63	3.30	19.70	17.63	17.51	17.51	0.00	18.00
		25	12	19.45	19.64	19.51	3.30	19.70	17.53	17.47	17.55	0.00	18.00
		25	25	19.60	19.69	19.69	3.30	19.70	17.69	17.67	17.59	0.00	18.00
		50	0	19.65	19.45	19.43	3.30	19.70	17.49	17.50	17.47	0.00	18.00
	16QAM	1	0	22.62	22.80	22.67	0.00	23.00	17.28	17.53	17.37	0.00	18.00
		1	12	22.76	22.75	22.62	0.00	23.00	17.40	17.40	17.30	0.00	18.00
		1	24	22.91	22.74	22.59	0.00	23.00	17.63	17.40	17.29	0.00	18.00
		12	0	22.43	22.70	22.60	0.00	23.00	17.25	17.45	17.35	0.00	18.00
		12	7	22.57	22.76	22.64	0.00	23.00	17.45	17.50	17.39	0.00	18.00
		12	13	22.62	22.75	22.59	0.00	23.00	17.49	17.47	17.33	0.00	18.00
	64QAM	25	0	22.57	22.68	22.57	0.00	23.00	17.48	17.46	17.33	0.00	18.00
		1	0	22.36	22.92	22.76	0.00	23.00	17.44	17.68	17.52	0.00	18.00
		1	12	22.51	22.90	22.74	0.00	23.00	17.59	17.60	17.46	0.00	18.00
		1	24	22.72	22.85	22.68	0.00	23.00	17.63	17.60	17.42	0.00	18.00
		12	0	22.00	21.79	22.63	0.30	22.70	17.40	17.54	17.42	0.00	18.00
		12	7	21.81	22.67	22.68	0.30	22.70	17.53	17.56	17.43	0.00	18.00
	256QAM	12	13	21.84	22.67	22.61	0.30	22.70	17.58	17.52	17.40	0.00	18.00
		25	0	21.71	22.67	22.52	0.30	22.70	17.46	17.39	17.31	0.00	18.00
		1	0	21.85	22.68	22.61	0.30	22.70	17.29	17.68	17.67	0.00	18.00
		1	12	22.01	22.62	22.60	0.30	22.70	17.27	17.59	17.64	0.00	18.00
		1	24	22.23	22.59	22.64	0.30	22.70	17.51	17.57	17.59	0.00	18.00
		12	0	20.83	21.39	21.65	1.30	21.70	17.32	17.58	17.43	0.00	18.00
5 MHz	64QAM	12	7	20.76	21.41	21.67	1.30	21.70	17.45	17.59	17.50	0.00	18.00
		12	13	20.84	21.67	21.64	1.30	21.70	17.51	17.53	17.45	0.00	18.00
		25	0	20.72	21.65	21.61	1.30	21.70	17.37	17.50	17.36	0.00	18.00
	256QAM	1	0	19.59	19.54	19.46	3.30	19.70	17.58	17.62	17.67	0.00	18.00
		1	12	19.55	19.62	19.54	3.30	19.70	17.57	17.56	17.42	0.00	18.00
		1	24	19.45	19.48	19.69	3.30	19.70	17.55	17.42	17.61	0.00	18.00
	256QAM	12	0	19.53	19.66	19.54	3.30	19.70	17.58	17.44	17.64	0.00	18.00
		12	7	19.54	19.43	19.68	3.30	19.70	17.50	17.61	17.46	0.00	18.00
		12	13	19.59	19.63	19.58	3.30	19.70	17.44	17.63	17.69	0.00	18.00
		25	0	19.68	19.49	19.49	3.30	19.70	17.54	17.66	17.46	0.00	18.00

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	19.51	19.49	19.45	0.00	20.00	20.50	21.00	21.00	0.00	21.50
		1	49	20.00	20.00	20.00	0.00	20.00	21.00	21.00	21.00	0.00	21.50
		1	99	19.72	19.41	19.41	0.00	20.00	20.53	21.00	21.04	0.00	21.50
		50	0	19.35	19.48	19.46	0.00	20.00	20.69	20.61	20.56	0.30	21.20
		50	24	20.00	20.00	20.00	0.00	20.00	21.00	21.00	21.00	0.30	21.20
	16QAM	50	50	19.35	19.47	19.50	0.00	20.00	20.69	20.56	20.59	0.30	21.20
		100	0	19.26	20.00	19.38	0.00	20.00	20.58	21.00	20.50	0.30	21.20
		1	0	19.53	19.90	19.86	0.00	20.00	20.87	21.01	21.01	0.30	21.20
		1	49	19.78	19.83	19.90	0.00	20.00	21.10	20.91	21.00	0.30	21.20
		1	99	19.76	19.83	19.85	0.00	20.00	21.11	20.95	20.98	0.30	21.20
	64QAM	50	0	19.01	19.26	19.34	0.00	20.00	19.79	19.77	19.76	1.30	20.20
		50	24	19.11	19.28	19.33	0.00	20.00	19.90	19.79	19.75	1.30	20.20
		50	50	19.07	19.26	19.41	0.00	20.00	19.82	19.75	19.79	1.30	20.20
		100	0	19.00	19.22	19.30	0.00	20.00	19.76	19.75	19.68	1.30	20.20
		1	0	19.13	19.61	19.58	0.00	20.00	19.90	20.07	20.00	1.30	20.20
	256QAM	1	49	19.34	19.48	19.63	0.00	20.00	20.10	19.95	20.04	1.30	20.20
		1	99	19.29	19.51	19.60	0.00	20.00	20.04	19.98	20.02	1.30	20.20
		50	0	18.20	18.58	18.61	0.80	19.20	18.97	19.07	19.03	2.30	19.20
		50	24	18.21	18.57	18.63	0.80	19.20	19.06	19.04	19.03	2.30	19.20
		50	50	18.20	18.55	18.66	0.80	19.20	18.99	19.03	19.06	2.30	19.20
15 MHz	QPSK	100	0	18.20	18.48	18.51	0.80	19.20	18.89	18.97	18.93	2.30	19.20
		1	0	17.29	17.07	17.27	2.80	17.70	16.81	16.98	16.87	4.30	17.20
		1	49	17.00	17.16	17.00	2.80	17.70	16.91	17.00	16.86	4.30	17.20
		1	99	17.08	17.13	17.12	2.80	17.70	16.74	16.94	16.74	4.30	17.20
		50	0	17.02	17.22	17.11	2.80	17.70	16.93	16.99	16.74	4.30	17.20
	16QAM	50	24	17.29	17.24	17.27	2.80	17.70	16.86	16.96	16.94	4.30	17.20
		50	50	17.23	17.23	17.18	2.80	17.70	16.78	16.90	16.92	4.30	17.20
		100	0	17.30	17.18	17.29	2.80	17.70	16.71	16.71	16.95	4.30	17.20
	64QAM	1	0	19.58	19.46	19.52	0.00	20.00	20.50	21.09	21.13	0.00	21.50
		1	37	19.74	19.43	19.48	0.00	20.00	20.56	21.01	21.06	0.00	21.50
		1	74	19.75	19.45	19.47	0.00	20.00	20.55	21.05	21.04	0.00	21.50
		36	0	19.29	19.48	19.46	0.00	20.00	20.65	20.58	20.56	0.30	21.20
		36	20	19.34	19.50	19.55	0.00	20.00	20.68	20.60	20.66	0.30	21.20
	256QAM	36	39	19.35	19.48	19.53	0.00	20.00	20.70	20.57	20.60	0.30	21.20
		75	0	19.23	19.43	19.48	0.00	20.00	20.58	20.53	20.56	0.30	21.20
		1	0	19.50	19.83	19.88	0.00	20.00	20.92	20.92	21.02	0.30	21.20
		1	37	19.79	19.90	19.92	0.00	20.00	21.13	20.92	21.01	0.30	21.20
		1	74	19.74	19.90	19.91	0.00	20.00	21.13	20.99	20.97	0.30	21.20
	16QAM	36	0	19.00	19.27	19.34	0.00	20.00	19.80	19.77	19.74	1.30	20.20
		36	20	19.01	19.27	19.42	0.00	20.00	19.81	19.77	19.83	1.30	20.20
		36	39	19.05	19.26	19.41	0.00	20.00	19.84	19.78	19.80	1.30	20.20
		75	0	19.00	19.23	19.40	0.00	20.00	19.77	19.75	19.80	1.30	20.20
		1	0	19.14	19.45	19.58	0.00	20.00	19.96	20.19	20.14	1.30	20.20
	64QAM	1	37	19.32	19.40	19.61	0.00	20.00	20.18	20.07	20.13	1.30	20.20
		1	74	19.36	19.45	19.61	0.00	20.00	20.18	20.09	20.14	1.30	20.20
		36	0	18.20	18.52	18.61	0.80	19.20	18.95	19.04	19.04	2.30	19.20
		36	20	18.20	18.52	18.69	0.80	19.20	18.98	19.04	19.11	2.30	19.20
		36	39	18.20	18.52	18.67	0.80	19.20	18.98	19.03	19.08	2.30	19.20
	256QAM	75	0	18.20	18.52	18.66	0.80	19.20	18.94	19.04	19.12	2.30	19.20
		1	0	17.07	17.07	17.24	2.80	17.70	16.71	16.90	16.91	4.30	17.20
		1	37	17.20	17.09	17.27	2.80	17.70	16.73	16.85	16.87	4.30	17.20
		1	74	17.11	17.18	17.14	2.80	17.70	16.80	16.99	16.83	4.30	17.20
		36	0	17.02	17.12	17.23	2.80	17.70	16.75	16.99	16.91	4.30	17.20
	256QAM	36	20	17.24	17.08	17.21	2.80	17.70	16.74	16.90	16.71	4.30	17.20
		36	39	17.05	17.11	17.17	2.80	17.70	16.71	16.78	16.83	4.30	17.20
		75	0	17.11	17.08	17.06	2.80	17.70	16.95	16.82	16.81	4.30	17.20

LTE Band 7 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20800	21100	21400	MPR	Tune-up Limit	20800	21100	21400	MPR	Tune-up Limit
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	19.46	19.44	19.47	0.00	20.00	20.50	21.03	21.10	0.00	21.50
		1	25	19.65	19.42	19.45	0.00	20.00	20.50	21.02	21.06	0.00	21.50
		1	49	19.71	19.44	19.42	0.00	20.00	20.52	21.02	21.04	0.00	21.50
		25	0	19.27	19.53	19.55	0.00	20.00	20.64	20.62	20.67	0.30	21.20
		25	12	19.27	19.53	19.57	0.00	20.00	20.65	20.62	20.69	0.30	21.20
		25	25	19.32	19.49	19.54	0.00	20.00	20.67	20.60	20.65	0.30	21.20
	16QAM	50	0	19.19	19.45	19.49	0.00	20.00	20.53	20.54	20.58	0.30	21.20
		1	0	19.19	19.56	19.59	0.00	20.00	20.53	20.62	20.67	0.30	21.20
		1	25	19.34	19.47	19.52	0.00	20.00	20.68	20.55	20.59	0.30	21.20
		1	49	19.42	19.52	19.55	0.00	20.00	20.79	20.65	20.61	0.30	21.20
		25	0	19.06	19.42	19.57	0.00	20.00	19.86	19.90	19.97	1.30	20.20
		25	12	19.08	19.43	19.56	0.00	20.00	19.87	19.93	19.97	1.30	20.20
	64QAM	25	25	19.15	19.42	19.55	0.00	20.00	19.92	19.93	19.95	1.30	20.20
		50	0	19.00	19.29	19.43	0.00	20.00	19.72	19.79	19.84	1.30	20.20
		1	0	19.16	19.62	19.51	0.00	20.00	19.98	20.09	20.12	1.30	20.20
		1	25	19.30	19.61	19.45	0.00	20.00	20.06	20.03	20.06	1.30	20.20
		1	49	19.33	19.56	19.46	0.00	20.00	20.09	20.03	20.09	1.30	20.20
		25	0	18.20	18.68	18.56	0.80	19.20	18.94	19.14	19.16	2.30	19.20
	256QAM	25	12	18.20	18.67	18.57	0.80	19.20	18.98	19.14	19.18	2.30	19.20
		25	25	18.21	18.66	18.55	0.80	19.20	19.03	19.12	19.15	2.30	19.20
		50	0	18.20	18.52	18.41	0.80	19.20	18.84	18.98	19.03	2.30	19.20
		1	0	17.06	17.12	17.03	2.80	17.70	16.70	16.73	16.93	4.30	17.20
		1	25	17.18	17.02	17.07	2.80	17.70	16.94	16.75	16.81	4.30	17.20
		1	49	17.29	17.22	17.30	2.80	17.70	16.82	16.98	16.72	4.30	17.20
5 MHz	QPSK	25	0	17.22	17.21	17.23	2.80	17.70	16.99	16.79	16.90	4.30	17.20
		25	12	17.26	17.22	17.04	2.80	17.70	16.86	16.80	16.90	4.30	17.20
		25	25	17.14	17.22	17.27	2.80	17.70	16.75	16.71	16.72	4.30	17.20
		50	0	17.10	17.29	17.21	2.80	17.70	16.75	17.00	16.87	4.30	17.20
	16QAM	1	0	19.36	19.75	19.67	0.00	20.00	20.68	20.83	20.80	0.30	21.20
		1	12	19.44	19.70	19.73	0.00	20.00	20.77	20.78	20.80	0.30	21.20
		1	24	19.58	19.73	19.74	0.00	20.00	20.90	20.85	20.90	0.30	21.20
		12	0	19.00	19.41	19.47	0.00	20.00	19.78	19.86	19.87	1.30	20.20
		12	7	19.07	19.43	19.56	0.00	20.00	19.87	19.92	19.99	1.30	20.20
		12	13	19.07	19.37	19.51	0.00	20.00	19.88	19.92	19.95	1.30	20.20
	64QAM	25	0	19.01	19.27	19.35	0.00	20.00	19.74	19.77	19.85	1.30	20.20
		1	0	19.21	19.62	19.55	0.00	20.00	19.77	20.20	20.15	1.30	20.20
		1	12	19.33	19.70	19.63	0.00	20.00	20.11	20.15	20.11	1.30	20.20
		1	24	19.45	19.67	19.59	0.00	20.00	20.11	20.19	20.19	1.30	20.20
		12	0	18.20	18.60	18.48	0.80	19.20	18.89	19.10	19.08	2.30	19.20
		12	7	18.20	18.64	18.62	0.80	19.20	19.00	19.18	19.12	2.30	19.20
	256QAM	12	13	18.20	18.60	18.58	0.80	19.20	19.00	19.13	19.19	2.30	19.20
		25	0	18.20	18.56	18.46	0.80	19.20	18.88	19.06	19.07	2.30	19.20
		1	0	17.21	17.16	17.27	2.80	17.70	16.78	16.76	16.84	4.30	17.20
		1	12	17.02	17.21	17.14	2.80	17.70	16.95	16.75	16.96	4.30	17.20
		1	24	17.29	17.20	17.04	2.80	17.70	16.97	16.95	16.79	4.30	17.20
		12	0	17.28	17.27	17.04	2.80	17.70	16.93	16.98	16.80	4.30	17.20
		12	7	17.15	17.09	17.04	2.80	17.70	16.82	16.85	16.84	4.30	17.20
		12	13	17.01	17.13	17.21	2.80	17.70	16.70	16.74	16.82	4.30	17.20
		25	0	17.29	17.22	17.30	2.80	17.70	16.95	16.95	16.75	4.30	17.20

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		24.73		0.00	25.70		24.73		0.00	25.70
		1	25		25.20		0.00	25.70		25.20		0.00	25.70
		1	49		24.72		0.00	25.70		24.72		0.00	25.70
		25	0		23.79		1.00	24.70		23.79		1.00	24.70
		25	12		24.20		1.00	24.70		24.20		1.00	24.70
		25	25		23.78		1.00	24.70		23.78		1.00	24.70
	16QAM	50	0		24.20		1.00	24.70		24.20		1.00	24.70
		1	0		23.78		1.00	24.70		23.78		1.00	24.70
		1	25		23.76		1.00	24.70		23.76		1.00	24.70
		1	49		23.86		1.00	24.70		23.86		1.00	24.70
		25	0		22.77		2.00	23.70		22.77		2.00	23.70
		25	12		22.93		2.00	23.70		22.93		2.00	23.70
	64QAM	25	25		22.87		2.00	23.70		22.87		2.00	23.70
		50	0		22.82		2.00	23.70		22.82		2.00	23.70
		1	0		23.16		2.00	23.70		23.16		2.00	23.70
		1	25		23.18		2.00	23.70		23.18		2.00	23.70
		1	49		23.25		2.00	23.70		23.25		2.00	23.70
		25	0		21.81		3.00	22.70		21.81		3.00	22.70
	64QAM	25	12		21.97		3.00	22.70		21.97		3.00	22.70
		25	25		21.90		3.00	22.70		21.90		3.00	22.70
		50	0		21.84		3.00	22.70		21.84		3.00	22.70
		1	0		20.64		5.00	20.70		20.64		5.00	20.70
		1	25		20.40		5.00	20.70		20.40		5.00	20.70
		1	49		20.68		5.00	20.70		20.68		5.00	20.70
5 MHz	QPSK	25	0		20.61		5.00	20.70		20.61		5.00	20.70
		25	12		20.54		5.00	20.70		20.54		5.00	20.70
		25	25		20.47		5.00	20.70		20.47		5.00	20.70
		50	0		20.66		5.00	20.70		20.66		5.00	20.70
	16QAM	1	0		24.73	24.77	0.00	25.70		24.73	24.77	0.00	25.70
		1	12		24.72	24.81	0.00	25.70		24.72	24.81	0.00	25.70
		1	24		24.76	24.86	0.00	25.70		24.76	24.86	0.00	25.70
		12	0		23.74	23.81	1.00	24.70		23.74	23.81	1.00	24.70
		12	7		23.83	23.87	1.00	24.70		23.83	23.87	1.00	24.70
		12	13		23.80	23.82	1.00	24.70		23.80	23.82	1.00	24.70
	16QAM	25	0		23.83	23.82	1.00	24.70		23.83	23.82	1.00	24.70
		1	0		24.29	24.04	1.00	24.70		24.29	24.04	1.00	24.70
		1	12		24.36	24.01	1.00	24.70		24.36	24.01	1.00	24.70
		1	24		24.38	24.04	1.00	24.70		24.38	24.04	1.00	24.70
		12	0		22.92	22.87	2.00	23.70		22.92	22.87	2.00	23.70
		12	7		22.95	22.91	2.00	23.70		22.95	22.91	2.00	23.70
	64QAM	12	13		22.94	22.89	2.00	23.70		22.94	22.89	2.00	23.70
		25	0		22.88	22.78	2.00	23.70		22.88	22.78	2.00	23.70
		1	0		23.13	22.78	2.00	23.70		23.13	22.78	2.00	23.70
		1	12		23.23	22.81	2.00	23.70		23.23	22.81	2.00	23.70
		1	24		23.17	22.81	2.00	23.70		23.17	22.81	2.00	23.70
		12	0		21.95	21.86	3.00	22.70		21.95	21.86	3.00	22.70
5 MHz	256QAM	12	7		22.02	21.96	3.00	22.70		22.02	21.96	3.00	22.70
		12	13		21.96	21.95	3.00	22.70		21.96	21.95	3.00	22.70
		25	0		21.95	21.87	3.00	22.70		21.95	21.87	3.00	22.70
		1	0		20.60	20.58	5.00	20.70		20.60	20.58	5.00	20.70
		1	12		20.63	20.59	5.00	20.70		20.63	20.59	5.00	20.70
		1	24		20.69	20.40	5.00	20.70		20.69	20.40	5.00	20.70
	256QAM	12	0		20.45	20.50	5.00	20.70		20.45	20.50	5.00	20.70
		12	7		20.59	20.52	5.00	20.70		20.59	20.52	5.00	20.70
		12	13		20.59	20.65	5.00	20.70		20.59	20.65	5.00	20.70
		25	0		20.48	20.45	5.00	20.70		20.48	20.45	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	24.72	24.72	24.83	0.00	25.70	24.72	24.72	24.83	0.00	25.70
		1	8	24.78	24.78	24.85	0.00	25.70	24.78	24.78	24.85	0.00	25.70
		1	14	24.72	24.71	24.94	0.00	25.70	24.72	24.71	24.94	0.00	25.70
		8	0	23.76	23.76	23.90	1.00	24.70	23.76	23.76	23.90	1.00	24.70
		8	4	23.77	23.81	23.96	1.00	24.70	23.77	23.81	23.96	1.00	24.70
		8	7	23.84	23.83	24.04	1.00	24.70	23.84	23.83	24.04	1.00	24.70
		15	0	23.81	23.81	23.99	1.00	24.70	23.81	23.81	23.99	1.00	24.70
	16QAM	1	0	24.16	23.85	23.91	1.00	24.70	24.16	23.85	23.91	1.00	24.70
		1	8	24.15	23.78	23.94	1.00	24.70	24.15	23.78	23.94	1.00	24.70
		1	14	24.17	23.85	23.95	1.00	24.70	24.17	23.85	23.95	1.00	24.70
		8	0	22.82	22.85	23.03	2.00	23.70	22.82	22.85	23.03	2.00	23.70
		8	4	22.92	22.90	23.12	2.00	23.70	22.92	22.90	23.12	2.00	23.70
		8	7	22.90	22.92	23.11	2.00	23.70	22.90	22.92	23.11	2.00	23.70
		15	0	22.83	22.79	23.01	2.00	23.70	22.83	22.79	23.01	2.00	23.70
	64QAM	1	0	23.07	23.16	23.07	2.00	23.70	23.07	23.16	23.07	2.00	23.70
		1	8	22.95	23.14	23.11	2.00	23.70	22.95	23.14	23.11	2.00	23.70
		1	14	23.05	23.21	23.17	2.00	23.70	23.05	23.21	23.17	2.00	23.70
		8	0	21.84	21.89	22.02	3.00	22.70	21.84	21.89	22.02	3.00	22.70
		8	4	21.89	21.96	22.11	3.00	22.70	21.89	21.96	22.11	3.00	22.70
		8	7	21.92	22.01	22.14	3.00	22.70	21.92	22.01	22.14	3.00	22.70
		15	0	21.97	21.87	22.08	3.00	22.70	21.97	21.87	22.08	3.00	22.70
	256QAM	1	0	20.42	20.69	20.53	5.00	20.70	20.42	20.69	20.53	5.00	20.70
		1	12	20.41	20.61	20.51	5.00	20.70	20.41	20.61	20.51	5.00	20.70
		1	24	20.68	20.65	20.52	5.00	20.70	20.68	20.65	20.52	5.00	20.70
		12	0	20.62	20.68	20.44	5.00	20.70	20.62	20.68	20.44	5.00	20.70
		12	7	20.53	20.61	20.58	5.00	20.70	20.53	20.61	20.58	5.00	20.70
		12	13	20.51	20.45	20.56	5.00	20.70	20.51	20.45	20.56	5.00	20.70
		25	0	20.54	20.41	20.67	5.00	20.70	20.54	20.41	20.67	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	24.80	24.80	24.80	0.00	25.70	24.80	24.80	24.80	0.00	25.70
		1	3	24.85	24.77	24.82	0.00	25.70	24.85	24.77	24.82	0.00	25.70
		1	5	24.86	24.73	24.89	0.00	25.70	24.86	24.73	24.89	0.00	25.70
		3	0	24.77	24.74	24.82	0.00	25.70	24.77	24.74	24.82	0.00	25.70
		3	1	24.90	24.80	24.82	0.00	25.70	24.90	24.80	24.82	0.00	25.70
		3	3	24.71	24.72	24.88	0.00	25.70	24.71	24.72	24.88	0.00	25.70
		6	0	23.76	23.73	23.85	1.00	24.70	23.76	23.73	23.85	1.00	24.70
	16QAM	1	0	23.74	23.80	24.23	1.00	24.70	23.74	23.80	24.23	1.00	24.70
		1	3	23.81	23.92	24.30	1.00	24.70	23.81	23.92	24.30	1.00	24.70
		1	5	23.81	23.88	24.29	1.00	24.70	23.81	23.88	24.29	1.00	24.70
		3	0	23.87	23.78	24.04	1.00	24.70	23.87	23.78	24.04	1.00	24.70
		3	1	23.99	23.81	24.09	1.00	24.70	23.99	23.81	24.09	1.00	24.70
		3	3	23.97	23.81	24.14	1.00	24.70	23.97	23.81	24.14	1.00	24.70
		6	0	22.94	22.89	22.77	2.00	23.70	22.94	22.89	22.77	2.00	23.70
	64QAM	1	0	22.90	22.93	23.31	2.00	23.70	22.90	22.93	23.31	2.00	23.70
		1	3	22.97	23.04	23.40	2.00	23.70	22.97	23.04	23.40	2.00	23.70
		1	5	22.95	23.04	23.35	2.00	23.70	22.95	23.04	23.35	2.00	23.70
		3	0	22.90	22.76	23.22	2.00	23.70	22.90	22.76	23.22	2.00	23.70
		3	1	23.04	22.80	23.27	2.00	23.70	23.04	22.80	23.27	2.00	23.70
		3	3	23.00	22.80	23.33	2.00	23.70	23.00	22.80	23.33	2.00	23.70
		6	0	22.13	21.85	21.85	3.00	22.70	22.13	21.85	21.85	3.00	22.70
	256QAM	1	0	20.69	20.48	20.63	5.00	20.70	20.69	20.48	20.63	5.00	20.70
		1	12	20.59	20.48	20.62	5.00	20.70	20.59	20.48	20.62	5.00	20.70
		1	24	20.48	20.61	20.54	5.00	20.70	20.48	20.61	20.54	5.00	20.70
		12	0	20.68	20.49	20.57	5.00	20.70	20.68	20.49	20.57	5.00	20.70
		12	7	20.60	20.44	20.54	5.00	20.70	20.60	20.44	20.54	5.00	20.70
		12	13	20.60	20.44	20.68	5.00	20.70	20.60	20.44	20.68	5.00	20.70
		25	0	20.50	20.55	20.52	5.00	20.70	20.50	20.55	20.52	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		23.03		0.00	23.90		23.03		0.00	23.90	
		1	25		23.40		0.00	23.90		23.40		0.00	23.90	
		1	49		22.92		0.00	23.90		22.92		0.00	23.90	
		25	0		22.24		1.00	22.90		22.24		1.00	22.90	
		25	12		22.35		1.00	22.90		22.35		1.00	22.90	
		25	25		22.26		1.00	22.90		22.26		1.00	22.90	
	16QAM	50	0		22.40		1.00	22.90		22.40		1.00	22.90	
		1	0		22.41		1.00	22.90		22.41		1.00	22.90	
		1	25		22.26		1.00	22.90		22.26		1.00	22.90	
		1	49		22.26		1.00	22.90		22.26		1.00	22.90	
		25	0		21.32		2.00	21.90		21.32		2.00	21.90	
		25	12		21.46		2.00	21.90		21.46		2.00	21.90	
	64QAM	25	25		21.37		2.00	21.90		21.37		2.00	21.90	
		50	0		21.32		2.00	21.90		21.32		2.00	21.90	
		1	0		21.52		2.00	21.90		21.52		2.00	21.90	
		1	25		21.37		2.00	21.90		21.37		2.00	21.90	
		1	49		21.37		2.00	21.90		21.37		2.00	21.90	
		25	0		20.43		3.00	20.90		20.43		3.00	20.90	
	256QAM	25	12		20.57		3.00	20.90		20.57		3.00	20.90	
		25	25		20.48		3.00	20.90		20.48		3.00	20.90	
		50	0		20.43		3.00	20.90		20.43		3.00	20.90	
		1	0		18.63		5.00	18.90		18.63		5.00	18.90	
		1	25		18.74		5.00	18.90		18.74		5.00	18.90	
		1	49		18.85		5.00	18.90		18.85		5.00	18.90	
5 MHz	QPSK	25	0		18.81		5.00	18.90		18.81		5.00	18.90	
		25	12		18.78		5.00	18.90		18.78		5.00	18.90	
		25	25		18.80		5.00	18.90		18.80		5.00	18.90	
		50	0		18.74		5.00	18.90		18.74		5.00	18.90	
		1	0		23.15	23095	23155	0.00	23.90	23.15	23095	23155	0.00	23.90
		1	12		23.17	701.5 MHz	707.5 MHz	0.00	23.90	23.17	701.5 MHz	707.5 MHz	0.00	23.90
	16QAM	1	24		23.14		0.00	23.90	23.14		0.00	23.90		23.90
		12	0		22.37		1.00	22.90	22.37		1.00	22.90		22.90
		12	7		22.41		1.00	22.90	22.41		1.00	22.90		22.90
		12	13		22.38		1.00	22.90	22.38		1.00	22.90		22.90
25		0		22.37		1.00	22.90	22.37		1.00	22.90		22.90	
1		0		22.58		1.00	22.90	22.58		1.00	22.90		22.90	
64QAM	1	12		22.50		1.00	22.90	22.50		1.00	22.90		22.90	
	1	24		22.52		1.00	22.90	22.52		1.00	22.90		22.90	
	12	0		21.32		2.00	21.90	21.32		2.00	21.90		21.90	
	12	7		21.41		2.00	21.90	21.41		2.00	21.90		21.90	
	12	13		21.37		2.00	21.90	21.37		2.00	21.90		21.90	
	25	0		21.29		2.00	21.90	21.29		2.00	21.90		21.90	
256QAM	1	0		21.48		2.00	21.90	21.48		2.00	21.90		21.90	
	1	12		21.40		2.00	21.90	21.40		2.00	21.90		21.90	
	1	24		21.42		2.00	21.90	21.42		2.00	21.90		21.90	
	12	0		20.22		3.00	20.90	20.22		3.00	20.90		20.90	
	12	7		20.31		3.00	20.90	20.31		3.00	20.90		20.90	
	12	13		20.27		3.00	20.90	20.27		3.00	20.90		20.90	
256QAM	25	0		20.19		3.00	20.90	20.19		3.00	20.90		20.90	
	1	0		18.82		5.00	18.90	18.82		5.00	18.90		18.90	
	1	12		18.73		5.00	18.90	18.73		5.00	18.90		18.90	
	1	24		18.88		5.00	18.90	18.88		5.00	18.90		18.90	
	12	0		18.75		5.00	18.90	18.75		5.00	18.90		18.90	
	12	7		18.62		5.00	18.90	18.62		5.00	18.90		18.90	
256QAM	12	13		18.73		5.00	18.90	18.73		5.00	18.90		18.90	
	25	0		18.62		5.00	18.90	18.62		5.00	18.90		18.90	

LTE Band 12 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				23025	23095	23165	MPR	Tune-up Limit	23025	23095	23165	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	23.15	23.00	22.95	0.00	23.90	23.15	23.00	22.95	0.00	23.90
		1	8	23.13	22.94	22.96	0.00	23.90	23.13	22.94	22.96	0.00	23.90
		1	14	23.14	22.97	23.02	0.00	23.90	23.14	22.97	23.02	0.00	23.90
		8	0	22.38	22.29	22.19	1.00	22.90	22.38	22.29	22.19	1.00	22.90
		8	4	22.40	22.33	22.27	1.00	22.90	22.40	22.33	22.27	1.00	22.90
		8	7	22.42	22.30	22.29	1.00	22.90	22.42	22.30	22.29	1.00	22.90
	16QAM	15	0	22.38	22.28	22.28	1.00	22.90	22.38	22.28	22.28	1.00	22.90
		1	0	22.76	22.33	22.18	1.00	22.90	22.76	22.33	22.18	1.00	22.90
		1	8	22.73	22.27	22.15	1.00	22.90	22.73	22.27	22.15	1.00	22.90
		1	14	22.72	22.33	22.24	1.00	22.90	22.72	22.33	22.24	1.00	22.90
		8	0	21.44	21.34	21.30	2.00	21.90	21.44	21.34	21.30	2.00	21.90
		8	4	21.51	21.35	21.35	2.00	21.90	21.51	21.35	21.35	2.00	21.90
	64QAM	8	7	21.48	21.33	21.40	2.00	21.90	21.48	21.33	21.40	2.00	21.90
		15	0	21.47	21.24	21.33	2.00	21.90	21.47	21.24	21.33	2.00	21.90
		1	0	21.50	21.07	20.92	2.00	21.90	21.50	21.07	20.92	2.00	21.90
		1	8	21.47	21.01	20.99	2.00	21.90	21.47	21.01	20.99	2.00	21.90
		1	14	21.46	21.07	20.98	2.00	21.90	21.46	21.07	20.98	2.00	21.90
		8	0	20.18	20.08	20.04	3.00	20.90	20.18	20.08	20.04	3.00	20.90
	256QAM	8	4	20.25	20.09	20.09	3.00	20.90	20.25	20.09	20.09	3.00	20.90
		8	7	20.22	20.07	20.14	3.00	20.90	20.22	20.07	20.14	3.00	20.90
		15	0	20.21	19.98	20.07	3.00	20.90	20.21	19.98	20.07	3.00	20.90
		1	0	18.75	18.85	18.72	5.00	18.90	18.75	18.85	18.72	5.00	18.90
		1	8	18.70	18.84	18.85	5.00	18.90	18.70	18.84	18.85	5.00	18.90
		1	14	18.76	18.82	18.75	5.00	18.90	18.76	18.82	18.75	5.00	18.90
1.4 MHz	QPSK	8	0	18.65	18.71	18.64	5.00	18.90	18.65	18.71	18.64	5.00	18.90
		8	4	18.69	18.63	18.68	5.00	18.90	18.69	18.63	18.68	5.00	18.90
		8	7	18.74	18.72	18.70	5.00	18.90	18.74	18.72	18.70	5.00	18.90
		15	0	18.86	18.84	18.63	5.00	18.90	18.86	18.84	18.63	5.00	18.90
	16QAM	1	0	23.02	23.00	23.16	0.00	23.90	23.02	23.00	23.16	0.00	23.90
		1	3	23.12	23.03	22.95	0.00	23.90	23.12	23.03	22.95	0.00	23.90
		1	5	23.07	22.98	22.92	0.00	23.90	23.07	22.98	22.92	0.00	23.90
		3	0	23.04	22.90	23.35	0.00	23.90	23.04	22.90	23.35	0.00	23.90
		3	1	23.07	22.97	23.30	0.00	23.90	23.07	22.97	23.30	0.00	23.90
		3	3	23.12	22.96	22.96	0.00	23.90	23.12	22.96	22.96	0.00	23.90
	64QAM	6	0	22.33	22.18	22.09	1.00	22.90	22.33	22.18	22.09	1.00	22.90
		1	0	22.32	22.33	22.52	1.00	22.90	22.32	22.33	22.52	1.00	22.90
		1	3	22.44	22.37	22.59	1.00	22.90	22.44	22.37	22.59	1.00	22.90
		1	5	22.37	22.34	22.56	1.00	22.90	22.37	22.34	22.56	1.00	22.90
		3	0	22.49	22.27	22.34	1.00	22.90	22.49	22.27	22.34	1.00	22.90
		3	1	22.56	22.31	22.37	1.00	22.90	22.56	22.31	22.37	1.00	22.90
	256QAM	3	3	22.56	22.33	22.39	1.00	22.90	22.56	22.33	22.39	1.00	22.90
		6	0	21.50	21.39	21.04	2.00	21.90	21.50	21.39	21.04	2.00	21.90
		1	0	21.27	21.28	21.47	2.00	21.90	21.27	21.28	21.47	2.00	21.90
		1	3	21.39	21.32	21.54	2.00	21.90	21.39	21.32	21.54	2.00	21.90
		1	5	21.32	21.29	21.51	2.00	21.90	21.32	21.29	21.51	2.00	21.90
		3	0	21.44	21.22	21.29	2.00	21.90	21.44	21.22	21.29	2.00	21.90
1.4 MHz	64QAM	3	1	21.51	21.26	21.32	2.00	21.90	21.51	21.26	21.32	2.00	21.90
		3	3	21.51	21.28	21.34	2.00	21.90	21.51	21.28	21.34	2.00	21.90
		6	0	20.45	20.34	19.99	3.00	20.90	20.45	20.34	19.99	3.00	20.90
	256QAM	1	0	18.73	18.76	18.65	5.00	18.90	18.73	18.76	18.65	5.00	18.90
		1	3	18.62	18.61	18.74	5.00	18.90	18.62	18.61	18.74	5.00	18.90
		1	5	18.63	18.63	18.81	5.00	18.90	18.63	18.63	18.81	5.00	18.90
	16QAM	3	0	18.74	18.78	18.74	5.00	18.90	18.74	18.78	18.74	5.00	18.90
		3	1	18.69	18.72	18.67	5.00	18.90	18.69	18.72	18.67	5.00	18.90
		3	3	18.71	18.74	18.89	5.00	18.90	18.71	18.74	18.89	5.00	18.90
		6	0	18.71	18.75	18.84	5.00	18.90	18.71	18.75	18.84	5.00	18.90

LTE Band 13 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
				23230.0 782 MHz		MPR	Tune-up Limit	23230.0 782 MHz		MPR	Tune-up Limit
10 MHz	QPSK	1	0	24.75		0.00	25.70	24.75		0.00	25.70
		1	25	25.20		0.00	25.70	25.20		0.00	25.70
		1	49	24.84		0.00	25.70	24.84		0.00	25.70
		25	0	23.71		1.00	24.70	23.71		1.00	24.70
		25	12	24.20		1.00	24.70	24.20		1.00	24.70
		25	25	23.84		1.00	24.70	23.84		1.00	24.70
	16QAM	50	0	24.20		1.00	24.70	24.20		1.00	24.70
		1	0	24.07		1.00	24.70	24.07		1.00	24.70
		1	25	24.19		1.00	24.70	24.19		1.00	24.70
		1	49	24.24		1.00	24.70	24.24		1.00	24.70
		25	0	22.79		2.00	23.70	22.79		2.00	23.70
		25	12	22.83		2.00	23.70	22.83		2.00	23.70
	64QAM	25	25	22.87		2.00	23.70	22.87		2.00	23.70
		50	0	22.80		2.00	23.70	22.80		2.00	23.70
		1	0	22.98		2.00	23.70	22.98		2.00	23.70
		1	25	23.10		2.00	23.70	23.10		2.00	23.70
		1	49	23.15		2.00	23.70	23.15		2.00	23.70
		25	0	21.70		3.00	22.70	21.70		3.00	22.70
	256QAM	25	12	21.74		3.00	22.70	21.74		3.00	22.70
		25	25	21.78		3.00	22.70	21.78		3.00	22.70
		50	0	21.71		3.00	22.70	21.71		3.00	22.70
		1	0	20.45		5.00	20.70	20.45		5.00	20.70
		1	25	20.51		5.00	20.70	20.51		5.00	20.70
		1	49	20.49		5.00	20.70	20.49		5.00	20.70
		25	0	20.51		5.00	20.70	20.51		5.00	20.70
		25	12	20.65		5.00	20.70	20.65		5.00	20.70
5 MHz	QPSK	25	25	20.48		5.00	20.70	20.48		5.00	20.70
		50	0	20.64		5.00	20.70	20.64		5.00	20.70
	16QAM	1	0	24.77		0.00	25.70	24.77		0.00	25.70
		1	12	24.81		0.00	25.70	24.81		0.00	25.70
		1	24	24.86		0.00	25.70	24.86		0.00	25.70
		12	0	23.73		1.00	24.70	23.73		1.00	24.70
	64QAM	12	7	23.86		1.00	24.70	23.86		1.00	24.70
		12	13	23.83		1.00	24.70	23.83		1.00	24.70
	256QAM	25	0	23.79		1.00	24.70	23.79		1.00	24.70
		1	0	23.88		1.00	24.70	23.88		1.00	24.70
		1	12	24.09		1.00	24.70	24.09		1.00	24.70
		1	24	24.05		1.00	24.70	24.05		1.00	24.70
	16QAM	12	0	22.83		2.00	23.70	22.83		2.00	23.70
		12	7	22.95		2.00	23.70	22.95		2.00	23.70
		12	13	22.93		2.00	23.70	22.93		2.00	23.70
	64QAM	25	0	22.82		2.00	23.70	22.82		2.00	23.70
		1	0	22.99		2.00	23.70	22.99		2.00	23.70
		1	12	23.20		2.00	23.70	23.20		2.00	23.70
	256QAM	1	24	23.16		2.00	23.70	23.16		2.00	23.70
		12	0	21.94		3.00	22.70	21.94		3.00	22.70
		12	7	22.06		3.00	22.70	22.06		3.00	22.70
		12	13	22.04		3.00	22.70	22.04		3.00	22.70
		25	0	21.93		3.00	22.70	21.93		3.00	22.70
	16QAM	1	0	20.5		5.00	20.70	20.53		5.00	20.70
		1	12	20.6		5.00	20.70	20.56		5.00	20.70
		1	24	20.6		5.00	20.70	20.60		5.00	20.70
		12	0	20.4		5.00	20.70	20.40		5.00	20.70
		12	7	20.7		5.00	20.70	20.68		5.00	20.70
		12	13	20.5		5.00	20.70	20.55		5.00	20.70
	256QAM	25	0	20.6		5.00	20.70	20.58		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 782 MHz		MPR	Tune-up Limit	23230 782 MHz		MPR	Tune-up Limit
10 MHz	QPSK	1	0	22.91		0.00	23.90	22.91		0.00	23.90
		1	25	23.40		0.00	23.90	23.40		0.00	23.90
		1	49	22.90		0.00	23.90	22.90		0.00	23.90
		25	0	22.26		1.00	22.90	22.26		1.00	22.90
		25	12	22.40		1.00	22.90	22.40		1.00	22.90
		25	25	22.23		1.00	22.90	22.23		1.00	22.90
	16QAM	50	0	22.40		1.00	22.90	22.40		1.00	22.90
		1	0	22.51		1.00	22.90	22.51		1.00	22.90
		1	25	22.58		1.00	22.90	22.58		1.00	22.90
		1	49	22.53		1.00	22.90	22.53		1.00	22.90
		25	0	21.34		2.00	21.90	21.34		2.00	21.90
		25	12	21.29		2.00	21.90	21.29		2.00	21.90
	64QAM	25	25	21.29		2.00	21.90	21.29		2.00	21.90
		50	0	21.21		2.00	21.90	21.21		2.00	21.90
		1	0	21.60		2.00	21.90	21.60		2.00	21.90
		1	25	21.67		2.00	21.90	21.67		2.00	21.90
		1	49	21.62		2.00	21.90	21.62		2.00	21.90
		25	0	20.43		3.00	20.90	20.43		3.00	20.90
5 MHz	QPSK	25	12	20.38		3.00	20.90	20.38		3.00	20.90
		25	25	20.38		3.00	20.90	20.38		3.00	20.90
		50	0	20.30		3.00	20.90	20.30		3.00	20.90
	256QAM	1	0	18.69		5.00	18.90	18.69		5.00	18.90
		1	25	18.75		5.00	18.90	18.75		5.00	18.90
		1	49	18.81		5.00	18.90	18.81		5.00	18.90
		25	0	18.90		5.00	18.90	18.90		5.00	18.90
		25	12	18.65		5.00	18.90	18.65		5.00	18.90
		25	25	18.82		5.00	18.90	18.82		5.00	18.90
	16QAM	50	0	18.75		5.00	18.90	18.75		5.00	18.90
		1	0	23.04		0.00	23.90	23.04		0.00	23.90
		1	12	23.01		0.00	23.90	23.01		0.00	23.90
		1	24	23.06		0.00	23.90	23.06		0.00	23.90
		12	0	22.28		1.00	22.90	22.28		1.00	22.90
		12	7	22.29		1.00	22.90	22.29		1.00	22.90
	64QAM	12	13	22.33		1.00	22.90	22.33		1.00	22.90
		25	0	22.26		1.00	22.90	22.26		1.00	22.90
		1	0	22.50		1.00	22.90	22.50		1.00	22.90
		1	12	22.29		1.00	22.90	22.29		1.00	22.90
		1	24	22.29		1.00	22.90	22.29		1.00	22.90
		12	0	21.28		2.00	21.90	21.28		2.00	21.90
	256QAM	12	7	21.37		2.00	21.90	21.37		2.00	21.90
		12	13	21.40		2.00	21.90	21.40		2.00	21.90
		25	0	21.21		2.00	21.90	21.21		2.00	21.90
		1	0	21.51		2.00	21.90	21.51		2.00	21.90
		1	12	21.30		2.00	21.90	21.30		2.00	21.90
		1	24	21.30		2.00	21.90	21.30		2.00	21.90
	QPSK	12	0	20.29		3.00	20.90	20.29		3.00	20.90
		12	7	20.38		3.00	20.90	20.38		3.00	20.90
		12	13	20.41		3.00	20.90	20.41		3.00	20.90
		25	0	20.22		3.00	20.90	20.22		3.00	20.90
		1	0	18.89		5.00	18.90	18.89		5.00	18.90
		1	12	18.79		5.00	18.90	18.79		5.00	18.90
	16QAM	1	24	18.66		5.00	18.90	18.66		5.00	18.90
		12	0	18.71		5.00	18.90	18.71		5.00	18.90
		12	7	18.66		5.00	18.90	18.66		5.00	18.90
		12	13	18.69		5.00	18.90	18.69		5.00	18.90
		25	0	18.67		5.00	18.90	18.67		5.00	18.90
		25	0	18.67		5.00	18.90	18.67		5.00	18.90

LTE Band 14 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
				23330 793 MHz		MPR	Tune-up Limit	23330 793 MHz		MPR	Tune-up Limit
10 MHz	QPSK	1	0	24.75		0.00	25.70	24.75		0.00	25.70
		1	25	25.20		0.00	25.70	25.20		0.00	25.70
		1	49	24.78		0.00	25.70	24.78		0.00	25.70
		25	0	23.78		1.00	24.70	23.78		1.00	24.70
		25	12	24.20		1.00	24.70	24.20		1.00	24.70
		25	25	23.78		1.00	24.70	23.78		1.00	24.70
	16QAM	50	0	24.20		1.00	24.70	24.20		1.00	24.70
		1	0	23.92		1.00	24.70	23.92		1.00	24.70
		1	25	23.87		1.00	24.70	23.87		1.00	24.70
		1	49	23.81		1.00	24.70	23.81		1.00	24.70
		25	0	22.88		2.00	23.70	22.88		2.00	23.70
		25	12	23.02		2.00	23.70	23.02		2.00	23.70
	64QAM	25	25	22.89		2.00	23.70	22.89		2.00	23.70
		50	0	22.87		2.00	23.70	22.87		2.00	23.70
		1	0	22.87		2.00	23.70	22.87		2.00	23.70
		1	25	22.82		2.00	23.70	22.82		2.00	23.70
		1	49	22.76		2.00	23.70	22.76		2.00	23.70
		25	0	21.83		3.00	22.70	21.83		3.00	22.70
	256QAM	25	12	21.97		3.00	22.70	21.97		3.00	22.70
		25	25	21.84		3.00	22.70	21.84		3.00	22.70
		50	0	21.82		3.00	22.70	21.82		3.00	22.70
		1	0	20.69		5.00	20.70	20.57		5.00	20.70
		1	25	20.51		5.00	20.70	20.66		5.00	20.70
		1	49	20.53		5.00	20.70	20.55		5.00	20.70
5 MHz	QPSK	25	0	20.54		5.00	20.70	20.57		5.00	20.70
		25	12	20.47		5.00	20.70	20.49		5.00	20.70
		25	25	20.64		5.00	20.70	20.48		5.00	20.70
		50	0	20.48		5.00	20.70	20.61		5.00	20.70
	16QAM										
	64QAM										
	256QAM										

LTE Band 14 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
				23330 793 MHz		MPR	Tune-up Limit	23330 793 MHz		MPR	Tune-up Limit
10 MHz	QPSK	1	0	23.04		0.00	23.90	23.04		0.00	23.90
		1	25	23.40		0.00	23.90	23.40		0.00	23.90
		1	49	22.95		0.00	23.90	22.95		0.00	23.90
		25	0	22.17		1.00	22.90	22.17		1.00	22.90
		25	12	22.40		1.00	22.90	22.40		1.00	22.90
		25	25	22.18		1.00	22.90	22.18		1.00	22.90
	16QAM	50	0	22.40		1.00	22.90	22.40		1.00	22.90
		1	0	22.64		1.00	22.90	22.64		1.00	22.90
		1	25	22.65		1.00	22.90	22.65		1.00	22.90
		1	49	22.59		1.00	22.90	22.59		1.00	22.90
		25	0	21.24		2.00	21.90	21.24		2.00	21.90
		25	12	21.36		2.00	21.90	21.36		2.00	21.90
	64QAM	25	25	21.30		2.00	21.90	21.30		2.00	21.90
		50	0	21.28		2.00	21.90	21.28		2.00	21.90
		1	0	21.75		2.00	21.90	21.75		2.00	21.90
		1	25	21.76		2.00	21.90	21.76		2.00	21.90
		1	49	21.70		2.00	21.90	21.70		2.00	21.90
		25	0	20.35		3.00	20.90	20.35		3.00	20.90
	256QAM	25	12	20.47		3.00	20.90	20.47		3.00	20.90
		25	25	20.41		3.00	20.90	20.41		3.00	20.90
		50	0	20.39		3.00	20.90	20.39		3.00	20.90
		1	0	18.63		5.00	18.90	18.63		5.00	18.90
		1	25	18.71		5.00	18.90	18.71		5.00	18.90
		1	49	18.81		5.00	18.90	18.81		5.00	18.90
5 MHz	QPSK	25	0	18.74		5.00	18.90	18.74		5.00	18.90
		25	12	18.63		5.00	18.90	18.63		5.00	18.90
		25	25	18.73		5.00	18.90	18.73		5.00	18.90
		50	0	18.87		5.00	18.90	18.87		5.00	18.90
	16QAM										
	64QAM										
	256QAM										

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	25.41	25.33	25.25	0.00	25.70	16.00	16.05	15.98	0.00	16.50
		1	49	25.40	25.40	25.40	0.00	25.70	16.10	16.10	16.00	0.00	16.50
		1	99	25.31	25.25	25.21	0.00	25.70	16.05	15.94	15.88	0.00	16.50
		50	0	24.48	24.31	24.26	1.00	24.70	16.00	16.07	16.01	0.00	16.50
		50	24	24.50	24.50	24.50	1.00	24.70	16.20	16.20	16.20	0.00	16.50
		50	50	24.42	24.33	24.27	1.00	24.70	16.14	16.08	15.98	0.00	16.50
	16QAM	100	0	24.38	24.40	24.25	1.00	24.70	16.10	16.10	15.97	0.00	16.50
		1	0	24.55	24.45	24.40	1.00	24.70	16.49	16.40	16.44	0.00	16.50
		1	49	24.49	24.44	24.34	1.00	24.70	16.46	16.46	16.40	0.00	16.50
		1	99	24.48	24.35	24.33	1.00	24.70	16.42	16.41	16.34	0.00	16.50
		50	0	23.45	23.29	23.22	2.00	23.70	16.19	16.04	16.00	0.00	16.50
		50	24	23.42	23.34	23.29	2.00	23.70	16.20	16.08	16.04	0.00	16.50
	64QAM	50	50	23.37	23.29	23.23	2.00	23.70	16.15	16.08	16.01	0.00	16.50
		100	0	23.36	23.27	23.25	2.00	23.70	16.11	16.03	16.03	0.00	16.50
		1	0	23.63	23.47	23.49	2.00	23.70	16.36	16.26	16.25	0.00	16.50
		1	49	23.61	23.55	23.49	2.00	23.70	16.38	16.29	16.22	0.00	16.50
		1	99	23.59	23.52	23.45	2.00	23.70	16.32	16.24	16.18	0.00	16.50
		50	0	22.53	22.33	22.28	3.00	22.70	16.27	16.12	16.08	0.00	16.50
15 MHz	256QAM	50	24	22.52	22.40	22.34	3.00	22.70	16.26	16.16	16.15	0.00	16.50
		50	50	22.48	22.37	22.29	3.00	22.70	16.24	16.12	16.11	0.00	16.50
		100	0	22.39	22.30	22.27	3.00	22.70	16.15	16.04	16.03	0.00	16.50
		1	0	20.48	20.58	20.62	5.00	20.70	16.48	16.46	16.44	0.00	16.50
		1	3	20.43	20.47	20.66	5.00	20.70	16.45	16.42	16.47	0.00	16.50
		1	5	20.45	20.43	20.47	5.00	20.70	16.45	16.42	16.46	0.00	16.50
	QPSK	3	0	20.63	20.55	20.68	5.00	20.70	16.48	16.49	16.49	0.00	16.50
		3	1	20.63	20.43	20.44	5.00	20.70	16.44	16.50	16.43	0.00	16.50
		3	3	20.49	20.47	20.60	5.00	20.70	16.50	16.41	16.47	0.00	16.50
		6	0	20.58	20.41	20.66	5.00	20.70	16.40	16.47	16.45	0.00	16.50
		1	0	25.21	25.34	25.31	0.00	25.70	15.84	16.01	15.92	0.00	16.50
		1	37	25.41	25.32	25.29	0.00	25.70	16.05	15.96	15.85	0.00	16.50
	16QAM	1	74	25.28	25.30	25.27	0.00	25.70	15.88	15.92	15.84	0.00	16.50
		36	0	24.39	24.22	24.18	1.00	24.70	16.01	15.87	15.79	0.00	16.50
		36	20	24.50	24.39	24.25	1.00	24.70	16.11	16.01	15.85	0.00	16.50
		36	39	24.43	24.38	24.31	1.00	24.70	16.06	15.99	15.90	0.00	16.50
		75	0	24.40	24.29	24.18	1.00	24.70	16.02	15.94	15.73	0.00	16.50
		1	0	24.61	24.60	24.67	1.00	24.70	16.34	16.37	16.40	0.00	16.50
	64QAM	1	37	24.58	24.43	24.35	1.00	24.70	16.41	16.44	16.36	0.00	16.50
		1	74	24.43	24.48	24.46	1.00	24.70	16.37	16.42	16.31	0.00	16.50
		36	0	23.35	23.19	23.14	2.00	23.70	16.00	15.85	15.79	0.00	16.50
		36	20	23.45	23.35	23.23	2.00	23.70	16.10	16.02	15.86	0.00	16.50
		36	39	23.42	23.33	23.28	2.00	23.70	16.06	15.98	15.90	0.00	16.50
		75	0	23.40	23.29	23.18	2.00	23.70	16.05	15.96	15.82	0.00	16.50
	256QAM	1	0	23.50	23.59	23.52	2.00	23.70	16.44	16.42	16.45	0.00	16.50
		1	37	23.61	23.60	23.54	2.00	23.70	16.45	16.46	16.46	0.00	16.50
		1	74	23.60	23.61	23.58	2.00	23.70	16.47	16.44	16.45	0.00	16.50
		36	0	22.41	22.22	22.18	3.00	22.70	16.04	15.89	15.80	0.00	16.50
		36	20	22.47	22.39	22.27	3.00	22.70	16.12	16.02	15.90	0.00	16.50
		36	39	22.42	22.36	22.31	3.00	22.70	16.12	16.03	15.95	0.00	16.50
	QPSK	75	0	22.44	22.37	22.22	3.00	22.70	16.11	16.00	15.88	0.00	16.50
		1	0	20.59	20.69	20.48	5.00	20.70	16.43	16.44	16.47	0.00	16.50
		1	3	20.43	20.57	20.42	5.00	20.70	16.50	16.47	16.49	0.00	16.50
		1	5	20.63	20.66	20.48	5.00	20.70	16.40	16.42	16.45	0.00	16.50
		3	0	20.63	20.42	20.40	5.00	20.70	16.46	16.48	16.44	0.00	16.50
		3	1	20.42	20.41	20.58	5.00	20.70	16.50	16.49	16.43	0.00	16.50
	16QAM	3	3	20.41	20.56	20.64	5.00	20.70	16.45	16.49	16.42	0.00	16.50
		6	0	20.43	20.41	20.48	5.00	20.70	16.49	16.50	16.42	0.00	16.50

LTE Band 25 Measured Results (ANT1) (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	25.05	24.92	25.08	0.00	25.70	15.91	15.73	15.88	0.00	16.50
		1	25	25.28	25.16	25.13	0.00	25.70	16.09	15.98	15.89	0.00	16.50
		1	49	25.03	24.92	25.12	0.00	25.70	15.83	15.71	15.85	0.00	16.50
		25	0	24.36	24.18	24.12	1.00	24.70	16.18	15.99	15.88	0.00	16.50
		25	12	24.44	24.35	24.21	1.00	24.70	16.27	16.15	16.01	0.00	16.50
		25	25	24.38	24.28	24.22	1.00	24.70	16.20	16.10	16.00	0.00	16.50
	16QAM	50	0	24.39	24.27	24.14	1.00	24.70	16.20	16.07	15.92	0.00	16.50
		1	0	24.23	24.11	24.21	1.00	24.70	15.99	15.86	16.04	0.00	16.50
		1	25	24.36	24.28	24.22	1.00	24.70	16.16	16.05	15.98	0.00	16.50
		1	49	24.15	24.07	24.27	1.00	24.70	15.95	15.82	16.02	0.00	16.50
		25	0	23.46	23.27	23.21	2.00	23.70	16.27	16.06	15.97	0.00	16.50
		25	12	23.55	23.43	23.30	2.00	23.70	16.34	16.23	16.07	0.00	16.50
	64QAM	25	25	23.47	23.41	23.32	2.00	23.70	16.28	16.16	16.09	0.00	16.50
		50	0	23.41	23.30	23.19	2.00	23.70	16.21	16.09	15.92	0.00	16.50
		1	0	23.37	23.22	23.43	2.00	23.70	16.18	16.03	16.21	0.00	16.50
		1	25	23.57	23.49	23.41	2.00	23.70	16.38	16.28	16.18	0.00	16.50
		1	49	23.30	23.21	23.41	2.00	23.70	16.13	16.01	16.19	0.00	16.50
		25	0	22.42	22.30	22.18	3.00	22.70	16.25	16.07	16.01	0.00	16.50
	256QAM	25	12	22.51	22.43	22.28	3.00	22.70	16.36	16.25	16.08	0.00	16.50
		25	25	22.48	22.38	22.34	3.00	22.70	16.32	16.21	16.11	0.00	16.50
		50	0	22.40	22.29	22.14	3.00	22.70	16.21	16.10	15.93	0.00	16.50
		1	0	20.47	20.61	20.69	5.00	20.70	16.43	16.47	16.41	0.00	16.50
		1	3	20.48	20.53	20.68	5.00	20.70	16.42	16.42	16.41	0.00	16.50
		1	5	20.55	20.70	20.51	5.00	20.70	16.45	16.46	16.47	0.00	16.50
5 MHz	QPSK	3	0	20.56	20.53	20.49	5.00	20.70	16.47	16.47	16.45	0.00	16.50
		3	1	20.50	20.62	20.47	5.00	20.70	16.43	16.45	16.50	0.00	16.50
		3	3	20.56	20.44	20.42	5.00	20.70	16.41	16.45	16.49	0.00	16.50
		6	0	20.43	20.63	20.69	5.00	20.70	16.42	16.44	16.49	0.00	16.50
	16QAM	1	0	25.40	25.20	25.21	0.00	25.70	16.07	15.89	15.88	0.00	16.50
		1	12	25.41	25.25	25.23	0.00	25.70	16.10	15.96	15.90	0.00	16.50
		1	24	25.47	25.33	25.28	0.00	25.70	16.16	16.02	15.95	0.00	16.50
		12	0	24.43	24.20	24.22	1.00	24.70	16.12	15.98	15.87	0.00	16.50
		12	7	24.47	24.33	24.23	1.00	24.70	16.19	16.09	15.92	0.00	16.50
		12	13	24.47	24.35	24.28	1.00	24.70	16.17	16.06	15.95	0.00	16.50
	64QAM	25	0	24.45	24.31	24.19	1.00	24.70	16.18	16.00	15.88	0.00	16.50
		1	0	24.60	24.35	24.36	1.00	24.70	16.28	16.08	16.03	0.00	16.50
		1	12	24.62	24.47	24.43	1.00	24.70	16.27	16.13	16.03	0.00	16.50
		1	24	24.67	24.51	24.43	1.00	24.70	16.33	16.22	16.11	0.00	16.50
		12	0	23.49	23.26	23.22	2.00	23.70	16.17	15.98	15.94	0.00	16.50
		12	7	23.52	23.36	23.22	2.00	23.70	16.23	16.09	15.93	0.00	16.50
	256QAM	12	13	23.55	23.34	23.31	2.00	23.70	16.19	16.07	16.02	0.00	16.50
		25	0	23.38	23.24	23.14	2.00	23.70	16.11	15.94	15.85	0.00	16.50
		1	0	23.68	23.53	23.52	2.00	23.70	16.39	16.22	16.15	0.00	16.50
		1	12	23.67	23.62	23.56	2.00	23.70	16.44	16.31	16.22	0.00	16.50
		1	24	23.68	23.65	23.54	2.00	23.70	16.42	16.33	16.26	0.00	16.50
		12	0	22.51	22.30	22.24	3.00	22.70	16.18	16.02	15.96	0.00	16.50
5 MHz	16QAM	12	7	22.58	22.42	22.32	3.00	22.70	16.26	16.14	16.02	0.00	16.50
		12	13	22.56	22.40	22.35	3.00	22.70	16.23	16.14	16.09	0.00	16.50
		25	0	22.45	22.34	22.24	3.00	22.70	16.18	16.08	15.93	0.00	16.50
		1	0	20.67	20.64	20.44	5.00	20.70	16.48	16.46	16.48	0.00	16.50
		1	3	20.58	20.47	20.66	5.00	20.70	16.45	16.48	16.49	0.00	16.50
		1	5	20.61	20.47	20.57	5.00	20.70	16.48	16.41	16.47	0.00	16.50
	64QAM	3	0	20.63	20.56	20.65	5.00	20.70	16.40	16.49	16.49	0.00	16.50
		3	1	20.60	20.70	20.62	5.00	20.70	16.48	16.41	16.41	0.00	16.50
		3	3	20.50	20.59	20.41	5.00	20.70	16.45	16.47	16.45	0.00	16.50
		6	0	20.61	20.53	20.68	5.00	20.70	16.49	16.44	16.45	0.00	16.50
		1	0	20.67	20.64	20.44	5.00	20.70	16.48	16.46	16.48	0.00	16.50
		1	3	20.58	20.47	20.66	5.00	20.70	16.45	16.48	16.49	0.00	16.50

LTE Band 25 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26055.00	26365.00	26675.00	MPR	Tune-up Limit	26055.00	26365.00	26675.00	MPR	Tune-up Limit
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	25.30	25.19	25.14	0.00	25.70	16.13	15.97	15.92	0.00	16.50
		1	8	25.28	25.15	25.14	0.00	25.70	16.10	15.98	15.89	0.00	16.50
		1	14	25.41	25.23	25.21	0.00	25.70	16.14	16.05	15.97	0.00	16.50
		8	0	24.43	24.28	24.21	1.00	24.70	16.22	16.08	16.01	0.00	16.50
		8	4	24.42	24.29	24.25	1.00	24.70	16.28	16.14	16.07	0.00	16.50
		8	7	24.44	24.31	24.27	1.00	24.70	16.35	16.15	16.13	0.00	16.50
	16QAM	15	0	24.44	24.25	24.26	1.00	24.70	16.25	16.13	16.05	0.00	16.50
		1	0	24.47	24.31	24.33	1.00	24.70	16.27	16.14	16.09	0.00	16.50
		1	8	24.44	24.27	24.25	1.00	24.70	16.20	16.08	16.03	0.00	16.50
		1	14	24.48	24.38	24.34	1.00	24.70	16.26	16.13	16.10	0.00	16.50
		8	0	23.46	23.33	23.24	2.00	23.70	16.24	16.13	16.06	0.00	16.50
		8	4	23.48	23.35	23.32	2.00	23.70	16.30	16.16	16.09	0.00	16.50
	64QAM	8	7	23.49	23.37	23.32	2.00	23.70	16.29	16.15	16.09	0.00	16.50
		15	0	23.42	23.22	23.21	2.00	23.70	16.19	16.09	16.01	0.00	16.50
		1	0	23.64	23.52	23.44	2.00	23.70	16.45	16.31	16.23	0.00	16.50
		1	8	23.61	23.47	23.33	2.00	23.70	16.36	16.27	16.23	0.00	16.50
		1	14	23.64	23.52	23.45	2.00	23.70	16.45	16.30	16.25	0.00	16.50
		8	0	22.39	22.23	22.21	3.00	22.70	16.20	16.06	16.00	0.00	16.50
	256QAM	8	4	22.44	22.31	22.25	3.00	22.70	16.23	16.13	16.07	0.00	16.50
		8	7	22.47	22.35	22.28	3.00	22.70	16.28	16.13	16.10	0.00	16.50
		15	0	22.48	22.35	22.27	3.00	22.70	16.30	16.17	16.08	0.00	16.50
		1	0	20.61	20.69	20.44	5.00	20.70	16.49	16.45	16.47	0.00	16.50
		1	3	20.53	20.57	20.53	5.00	20.70	16.45	16.45	16.45	0.00	16.50
		1	5	20.64	20.55	20.40	5.00	20.70	16.41	16.48	16.50	0.00	16.50
1.4 MHz	QPSK	3	0	20.41	20.62	20.44	5.00	20.70	16.46	16.47	16.45	0.00	16.50
		3	1	20.47	20.70	20.51	5.00	20.70	16.46	16.49	16.47	0.00	16.50
		3	3	20.45	20.62	20.40	5.00	20.70	16.46	16.49	16.43	0.00	16.50
		6	0	20.61	20.49	20.52	5.00	20.70	16.43	16.49	16.49	0.00	16.50
	16QAM	1	0	26.047.00	26365.00	26683.00	MPR	Tune-up Limit	26047.00	26365.00	26683.00	MPR	Tune-up Limit
		1	3	1850.7 MHz	1882.5 MHz	1914.3 MHz			1850.7 MHz	1882.5 MHz	1914.3 MHz		
		1	0	25.30	25.09	25.05	0.00	25.70	16.15	15.96	15.89	0.00	16.50
		1	3	25.37	25.18	25.12	0.00	25.70	16.18	16.03	15.93	0.00	16.50
		1	5	25.34	25.15	25.07	0.00	25.70	16.16	15.99	15.90	0.00	16.50
		3	0	25.25	25.12	25.06	0.00	25.70	16.10	16.01	15.89	0.00	16.50
	16QAM	3	1	25.31	25.14	25.12	0.00	25.70	16.12	16.03	15.95	0.00	16.50
		3	3	25.31	25.18	25.14	0.00	25.70	16.12	16.05	15.95	0.00	16.50
		6	0	24.35	24.19	24.17	1.00	24.70	16.18	16.07	15.94	0.00	16.50
		1	0	24.44	24.20	24.20	1.00	24.70	16.24	16.39	16.31	0.00	16.50
		1	3	24.53	24.31	24.24	1.00	24.70	16.37	16.46	16.35	0.00	16.50
		1	5	24.48	24.30	24.24	1.00	24.70	16.28	16.41	16.31	0.00	16.50
	64QAM	3	0	24.39	24.38	24.33	1.00	24.70	16.18	16.22	16.12	0.00	16.50
		3	1	24.46	24.45	24.40	1.00	24.70	16.24	16.26	16.17	0.00	16.50
		3	3	24.47	24.46	24.42	1.00	24.70	16.29	16.28	16.19	0.00	16.50
		6	0	23.50	23.40	23.31	2.00	23.70	16.31	15.96	15.86	0.00	16.50
		1	0	23.53	23.41	23.38	2.00	23.70	16.31	16.22	16.33	0.00	16.50
		1	3	23.57	23.45	23.38	2.00	23.70	16.36	16.27	16.46	0.00	16.50
	256QAM	1	5	23.59	23.47	23.39	2.00	23.70	16.42	16.27	16.38	0.00	16.50
		3	0	23.35	23.19	23.17	2.00	23.70	16.11	16.00	16.30	0.00	16.50
		3	1	23.36	23.26	23.17	2.00	23.70	16.17	16.05	16.34	0.00	16.50
		3	3	23.39	23.23	23.21	2.00	23.70	16.19	16.07	16.35	0.00	16.50
		6	0	22.41	22.28	22.28	3.00	22.70	16.26	16.15	16.01	0.00	16.50
		1	0	20.56	20.60	20.56	5.00	20.70	16.48	16.50	16.48	0.00	16.50
	256QAM	1	3	20.63	20.41	20.62	5.00	20.70	16.41	16.44	16.49	0.00	16.50
		1	5	20.47	20.56	20.65	5.00	20.70	16.43	16.46	16.47	0.00	16.50
		3	0	20.53	20.57	20.63	5.00	20.70	16.46	16.43	16.43	0.00	16.50
		3	1	20.48	20.54	20.52	5.00	20.70	16.42	16.49	16.49	0.00	16.50
		3	3	20.67	20.53	20.61	5.00	20.70	16.44	16.42	16.43	0.00	16.50
		6	0	20.58	20.60	20.43	5.00	20.70	16.44	16.48	16.43	0.00	16.50

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	19.33	19.25	19.14	0.00	20.00	19.75	19.70	19.63	0.00	20.25
		1	49	19.50	19.50	19.50	0.00	20.00	20.10	20.25	20.10	0.00	20.25
		1	99	19.22	19.12	19.00	0.00	20.00	19.66	19.57	19.53	0.00	20.25
		50	0	19.29	19.25	19.12	0.00	20.00	19.74	19.69	19.59	0.00	20.25
		50	24	19.50	19.50	19.50	0.00	20.00	20.25	20.25	20.25	0.00	20.25
		50	50	19.30	19.23	19.12	0.00	20.00	19.75	19.68	19.55	0.00	20.25
	16QAM	100	0	19.27	19.50	19.04	0.00	20.00	19.71	20.25	19.47	0.00	20.25
		1	0	19.48	19.22	19.17	0.00	20.00	20.24	20.16	20.17	0.00	20.25
		1	49	19.22	19.12	19.13	0.00	20.00	20.21	20.09	20.14	0.00	20.25
		1	99	19.21	19.07	19.07	0.00	20.00	20.24	20.00	19.86	0.00	20.25
		50	0	19.33	19.23	19.16	0.00	20.00	19.77	19.67	19.58	0.00	20.25
		50	24	19.38	19.20	19.15	0.00	20.00	19.85	19.65	19.55	0.00	20.25
	64QAM	50	50	19.33	19.22	19.14	0.00	20.00	19.78	19.66	19.56	0.00	20.25
		100	0	19.28	19.12	19.06	0.00	20.00	19.75	19.57	19.46	0.00	20.25
		1	0	19.39	19.34	19.29	0.00	20.00	20.13	20.05	20.06	0.00	20.25
		1	49	19.34	19.24	19.25	0.00	20.00	20.10	19.98	20.03	0.00	20.25
		1	99	19.33	19.19	19.19	0.00	20.00	20.13	19.89	19.75	0.00	20.25
		50	0	19.53	19.43	19.36	0.00	20.00	19.73	19.63	19.54	0.15	20.10
	256QAM	50	24	19.58	19.40	19.35	0.00	20.00	19.81	19.61	19.51	0.15	20.10
		50	50	19.53	19.42	19.34	0.00	20.00	19.74	19.62	19.52	0.15	20.10
		100	0	19.48	19.32	19.26	0.00	20.00	19.71	19.53	19.42	0.15	20.10
		1	0	17.25	17.25	17.45	1.90	18.10	17.52	17.74	17.64	2.15	18.10
		1	49	17.21	17.28	17.24	1.90	18.10	17.67	17.61	17.65	2.15	18.10
		1	99	17.42	17.26	17.35	1.90	18.10	17.53	17.52	17.67	2.15	18.10
		50	0	17.42	17.26	17.29	1.90	18.10	17.77	17.69	17.53	2.15	18.10
		50	24	17.31	17.36	17.34	1.90	18.10	17.52	17.69	17.78	2.15	18.10
15 MHz	QPSK	50	50	17.50	17.21	17.36	1.90	18.10	17.76	17.72	17.75	2.15	18.10
		100	0	17.32	17.47	17.31	1.90	18.10	17.77	17.72	17.51	2.15	18.10
	16QAM	1	0	19.08	19.30	19.13	0.00	20.00	19.49	19.73	19.61	0.00	20.25
		1	37	19.24	19.24	19.09	0.00	20.00	19.69	19.68	19.54	0.00	20.25
		1	74	19.14	19.18	19.04	0.00	20.00	19.54	19.64	19.54	0.00	20.25
		36	0	19.21	19.15	19.04	0.00	20.00	19.68	19.61	19.52	0.00	20.25
	64QAM	36	20	19.37	19.21	19.22	0.00	20.00	19.84	19.69	19.65	0.00	20.25
		36	39	19.34	19.27	19.18	0.00	20.00	19.79	19.72	19.64	0.00	20.25
	256QAM	75	0	19.30	19.15	19.14	0.00	20.00	19.74	19.56	19.58	0.00	20.25
		1	0	19.02	19.21	19.18	0.00	20.00	19.56	20.15	20.08	0.00	20.25
		1	37	19.22	19.15	19.24	0.00	20.00	19.75	20.11	20.01	0.00	20.25
		1	74	19.06	19.10	19.07	0.00	20.00	19.60	20.05	19.95	0.00	20.25
	16QAM	36	0	19.27	19.13	19.02	0.00	20.00	19.65	19.59	19.54	0.00	20.25
		36	20	19.46	19.22	19.20	0.00	20.00	19.83	19.66	19.68	0.00	20.25
	64QAM	36	39	19.41	19.23	19.16	0.00	20.00	19.79	19.70	19.65	0.00	20.25
		75	0	19.34	19.15	19.15	0.00	20.00	19.76	19.61	19.58	0.00	20.25
	256QAM	1	0	19.14	19.33	19.30	0.00	20.00	19.78	20.07	20.00	0.00	20.25
		1	37	19.34	19.27	19.36	0.00	20.00	19.97	20.03	19.93	0.00	20.25
	16QAM	1	74	19.18	19.22	19.19	0.00	20.00	19.82	19.97	19.87	0.00	20.25
		36	0	19.47	19.33	19.22	0.00	20.00	19.61	19.55	19.50	0.15	20.10
	64QAM	36	20	19.66	19.42	19.40	0.00	20.00	19.79	19.62	19.64	0.15	20.10
		36	39	19.61	19.43	19.36	0.00	20.00	19.75	19.66	19.61	0.15	20.10
	256QAM	75	0	19.54	19.35	19.35	0.00	20.00	19.72	19.57	19.54	0.15	20.10
		1	0	17.49	17.20	17.44	1.90	18.10	17.70	17.56	17.72	2.15	18.10
		1	37	17.21	17.38	17.22	1.90	18.10	17.68	17.74	17.77	2.15	18.10
	16QAM	1	74	17.50	17.44	17.50	1.90	18.10	17.69	17.75	17.61	2.15	18.10
		36	0	17.27	17.28	17.36	1.90	18.10	17.71	17.51	17.54	2.15	18.10
	64QAM	36	20	17.30	17.22	17.44	1.90	18.10	17.67	17.65	17.66	2.15	18.10
		36	39	17.23	17.22	17.42	1.90	18.10	17.67	17.58	17.67	2.15	18.10
	256QAM	75	0	17.44	17.21	17.36	1.90	18.10	17.71	17.79	17.66	2.15	18.10

LTE Band 25 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26090	26365	26640	MPR	Tune-up Limit	26090	26365	26640	MPR	Tune-up Limit
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	19.33	19.15	19.34	0.00	20.00	19.47	19.31	19.53	0.00	20.25
		1	25	19.54	19.39	19.37	0.00	20.00	19.67	19.56	19.50	0.00	20.25
		1	49	19.34	19.11	19.37	0.00	20.00	19.47	19.27	19.50	0.00	20.25
		25	0	19.61	19.42	19.31	0.00	20.00	19.77	19.57	19.47	0.00	20.25
		25	12	19.67	19.49	19.39	0.00	20.00	19.82	19.66	19.52	0.00	20.25
		25	25	19.61	19.51	19.40	0.00	20.00	19.76	19.66	19.53	0.00	20.25
	16QAM	50	0	19.60	19.43	19.30	0.00	20.00	19.75	19.58	19.45	0.00	20.25
		1	0	19.27	19.32	19.33	0.00	20.00	19.49	19.46	19.91	0.00	20.25
		1	25	19.46	19.48	19.27	0.00	20.00	19.65	19.64	19.87	0.00	20.25
		1	49	19.23	19.25	19.31	0.00	20.00	19.42	19.40	19.98	0.00	20.25
		25	0	19.64	19.51	19.32	0.00	20.00	19.78	19.68	19.51	0.00	20.25
		25	12	19.71	19.61	19.37	0.00	20.00	19.83	19.75	19.54	0.00	20.25
	64QAM	25	25	19.65	19.62	19.41	0.00	20.00	19.78	19.75	19.54	0.00	20.25
		50	0	19.65	19.46	19.28	0.00	20.00	19.72	19.59	19.48	0.00	20.25
		1	0	19.44	19.19	19.00	0.00	20.00	19.71	19.68	20.13	0.00	20.25
		1	25	19.63	19.35	19.14	0.00	20.00	19.87	19.86	20.09	0.00	20.25
		1	49	19.40	19.12	19.18	0.00	20.00	19.64	19.62	20.20	0.00	20.25
		25	0	19.64	19.51	19.32	0.00	20.00	19.74	19.64	19.47	0.15	20.10
	256QAM	25	12	19.71	19.61	19.37	0.00	20.00	19.79	19.71	19.50	0.15	20.10
		25	25	19.65	19.62	19.41	0.00	20.00	19.74	19.71	19.50	0.15	20.10
		50	0	19.65	19.46	19.28	0.00	20.00	19.68	19.55	19.44	0.15	20.10
		1	0	17.35	17.36	17.29	1.90	18.10	17.57	17.73	17.73	2.15	18.10
		1	25	17.26	17.27	17.31	1.90	18.10	17.64	17.79	17.68	2.15	18.10
		1	49	17.42	17.39	17.24	1.90	18.10	17.74	17.54	17.58	2.15	18.10
5 MHz	QPSK	25	0	17.29	17.38	17.22	1.90	18.10	17.62	17.59	17.70	2.15	18.10
		25	12	17.41	17.20	17.45	1.90	18.10	17.79	17.79	17.61	2.15	18.10
		25	25	17.33	17.23	17.32	1.90	18.10	17.73	17.57	17.74	2.15	18.10
		50	0	17.21	17.35	17.42	1.90	18.10	17.65	17.68	17.76	2.15	18.10
	16QAM	1	0	19.19	19.11	19.18	0.00	20.00	19.75	19.58	19.43	0.00	20.25
		1	12	19.24	19.17	19.15	0.00	20.00	19.79	19.64	19.36	0.00	20.25
		1	24	19.28	19.21	19.17	0.00	20.00	19.83	19.71	19.48	0.00	20.25
		12	0	19.33	19.16	19.04	0.00	20.00	19.77	19.61	19.47	0.00	20.25
		12	7	19.34	19.21	19.13	0.00	20.00	19.81	19.66	19.60	0.00	20.25
		12	13	19.35	19.28	19.17	0.00	20.00	19.81	19.70	19.59	0.00	20.25
	64QAM	25	0	19.37	19.20	19.16	0.00	20.00	19.80	19.62	19.59	0.00	20.25
		1	0	19.24	19.27	19.28	0.00	20.00	19.81	19.71	20.14	0.00	20.25
		1	12	19.31	19.30	19.31	0.00	20.00	19.88	19.81	20.22	0.00	20.25
		1	24	19.34	19.37	19.31	0.00	20.00	19.96	19.82	20.16	0.00	20.25
		12	0	19.46	19.21	19.13	0.00	20.00	19.84	19.67	19.63	0.00	20.25
		12	7	19.50	19.24	19.19	0.00	20.00	19.87	19.69	19.71	0.00	20.25
	256QAM	12	13	19.48	19.29	19.20	0.00	20.00	19.88	19.74	19.73	0.00	20.25
		25	0	19.41	19.12	19.14	0.00	20.00	19.83	19.60	19.63	0.00	20.25
		1	0	19.36	19.39	19.40	0.00	20.00	20.03	19.93	20.16	0.00	20.25
		1	12	19.43	19.42	19.43	0.00	20.00	20.10	20.03	20.24	0.00	20.25
		1	24	19.46	19.49	19.43	0.00	20.00	20.18	20.04	20.18	0.00	20.25
		12	0	19.66	19.41	19.33	0.00	20.00	19.80	19.63	19.59	0.15	20.10
	64QAM	12	7	19.70	19.44	19.39	0.00	20.00	19.83	19.65	19.67	0.15	20.10
		12	13	19.68	19.49	19.40	0.00	20.00	19.84	19.70	19.69	0.15	20.10
		25	0	19.61	19.32	19.34	0.00	20.00	19.79	19.56	19.59	0.15	20.10
	256QAM	1	0	17.36	17.47	17.25	1.90	18.10	17.56	17.56	17.72	2.15	18.10
		1	12	17.25	17.32	17.28	1.90	18.10	17.69	17.63	17.54	2.15	18.10
		1	24	17.34	17.21	17.41	1.90	18.10	17.70	17.53	17.64	2.15	18.10
		12	0	17.32	17.31	17.21	1.90	18.10	17.59	17.52	17.79	2.15	18.10
		12	7	17.36	17.50	17.44	1.90	18.10	17.61	17.77	17.56	2.15	18.10
		12	13	17.32	17.37	17.29	1.90	18.10	17.63	17.65	17.51	2.15	18.10
	256QAM	25	0	17.31	17.39	17.32	1.90	18.10	17.59	17.80	17.75	2.15	18.10

LTE Band 25 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26055	26365	26675	MPR	Tune-up Limit	26055	26365	26675	MPR	Tune-up Limit
				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	19.05	19.17	0.00	20.00	19.58	19.53	19.47	0.00	20.25
		1	8	19.29	19.07	19.02	0.00	20.00	19.65	19.52	19.56	0.00	20.25
		1	14	19.29	19.19	19.10	0.00	20.00	19.70	19.61	19.56	0.00	20.25
		8	0	19.30	19.13	19.05	0.00	20.00	19.74	19.60	19.51	0.00	20.25
		8	4	19.33	19.19	19.13	0.00	20.00	19.79	19.66	19.58	0.00	20.25
		8	7	19.35	19.18	19.19	0.00	20.00	19.83	19.64	19.60	0.00	20.25
		15	0	19.30	19.18	19.11	0.00	20.00	19.79	19.63	19.57	0.00	20.25
	16QAM	1	0	19.14	19.19	19.05	0.00	20.00	19.59	19.65	19.84	0.00	20.25
		1	8	19.14	19.17	19.13	0.00	20.00	19.64	19.65	19.89	0.00	20.25
		1	14	19.25	19.26	19.16	0.00	20.00	19.69	19.67	19.94	0.00	20.25
		8	0	19.38	19.22	19.17	0.00	20.00	19.87	19.66	19.58	0.00	20.25
		8	4	19.42	19.23	19.23	0.00	20.00	19.88	19.68	19.66	0.00	20.25
		8	7	19.45	19.25	19.28	0.00	20.00	19.90	19.70	19.69	0.00	20.25
		15	0	19.38	19.16	19.18	0.00	20.00	19.80	19.58	19.61	0.00	20.25
	64QAM	1	0	19.49	19.04	19.19	0.00	20.00	19.81	19.87	20.06	0.00	20.25
		1	8	19.49	19.02	19.23	0.00	20.00	19.86	19.87	20.11	0.00	20.25
		1	14	19.10	19.11	19.01	0.00	20.00	19.91	19.89	20.16	0.00	20.25
		8	0	19.58	19.42	19.37	0.00	20.00	19.83	19.62	19.54	0.15	20.10
		8	4	19.62	19.43	19.43	0.00	20.00	19.84	19.64	19.62	0.15	20.10
		8	7	19.65	19.45	19.48	0.00	20.00	19.86	19.66	19.65	0.15	20.10
		15	0	19.58	19.36	19.38	0.00	20.00	19.76	19.54	19.57	0.15	20.10
	256QAM	1	0	17.37	17.49	17.34	1.90	18.10	17.55	17.65	17.69	2.15	18.10
		1	8	17.42	17.31	17.37	1.90	18.10	17.58	17.63	17.71	2.15	18.10
		1	14	17.45	17.49	17.39	1.90	18.10	17.64	17.79	17.52	2.15	18.10
		8	0	17.40	17.43	17.45	1.90	18.10	17.60	17.74	17.64	2.15	18.10
		8	4	17.30	17.38	17.25	1.90	18.10	17.80	17.77	17.58	2.15	18.10
		8	7	17.45	17.24	17.39	1.90	18.10	17.52	17.56	17.61	2.15	18.10
		15	0	17.26	17.21	17.20	1.90	18.10	17.73	17.65	17.72	2.15	18.10
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26047	26365	26683	MPR	Tune-up Limit	26047	26365	26683	MPR	Tune-up Limit
				1850.7 MHz	1882.5 MHz	1914.3 MHz			1850.7 MHz	1882.5 MHz	1914.3 MHz		
1.4 MHz	QPSK	1	0	19.41	19.33	19.21	0.00	20.00	19.68	19.44	19.37	0.00	20.25
		1	3	19.51	19.47	19.32	0.00	20.00	19.71	19.55	19.47	0.00	20.25
		1	5	19.44	19.45	19.28	0.00	20.00	19.66	19.50	19.45	0.00	20.25
		3	0	19.43	19.26	19.20	0.00	20.00	19.57	19.44	19.37	0.00	20.25
		3	1	19.48	19.31	19.23	0.00	20.00	19.64	19.47	19.40	0.00	20.25
		3	3	19.48	19.38	19.31	0.00	20.00	19.63	19.56	19.48	0.00	20.25
		6	0	19.54	19.36	19.27	0.00	20.00	19.67	19.55	19.44	0.00	20.25
	16QAM	1	0	19.04	19.00	19.23	0.00	20.00	19.76	19.56	19.85	0.00	20.25
		1	3	19.09	19.09	19.29	0.00	20.00	19.88	19.68	19.95	0.00	20.25
		1	5	19.10	19.02	19.23	0.00	20.00	19.79	19.62	19.88	0.00	20.25
		3	0	19.70	19.38	19.46	0.00	20.00	19.74	19.71	19.61	0.00	20.25
		3	1	19.72	19.46	19.52	0.00	20.00	19.79	19.74	19.62	0.00	20.25
		3	3	19.76	19.51	19.57	0.00	20.00	19.79	19.82	19.71	0.00	20.25
		6	0	19.72	19.51	19.20	0.00	20.00	19.85	19.71	19.36	0.00	20.25
	64QAM	1	0	19.43	19.35	19.12	0.00	20.00	19.80	19.60	19.89	0.00	20.25
		1	3	19.48	19.48	19.18	0.00	20.00	19.92	19.72	19.99	0.00	20.25
		1	5	19.49	19.41	19.12	0.00	20.00	19.83	19.66	19.92	0.00	20.25
		3	0	19.59	19.27	19.35	0.00	20.00	19.78	19.75	19.65	0.15	20.10
		3	1	19.61	19.35	19.41	0.00	20.00	19.83	19.78	19.66	0.15	20.10
		3	3	19.65	19.40	19.46	0.00	20.00	19.83	19.86	19.75	0.15	20.10
		6	0	19.59	19.38	19.07	0.00	20.00	19.41	19.27	19.42	0.15	20.10
	256QAM	1	0	17.33	17.49	17.41	1.90	18.10	17.50	17.76	17.59	2.15	18.10
		1	3	17.45	17.28	17.26	1.90	18.10	17.53	17.57	17.67	2.15	18.10
		1	5	17.45	17.30	17.50	1.90	18.10	17.59	17.63	17.79	2.15	18.10
		3	0	17.29	17.46	17.36	1.90	18.10	17.75	17.77	17.68	2.15	18.10
		3	1	17.49	17.44	17.36	1.90	18.10	17.53	17.57	17.62	2.15	18.10
		3	3	17.44	17.34	17.24	1.90	18.10	17.74	17.68	17.66	2.15	18.10
		6	0	17.30	17.44	17.31	1.90	18.10	17.78	17.55	17.59	2.15	18.10

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	24.40	24.35	24.37	0.00	24.70	18.98	18.91	18.90	0.00	19.50
		1	49	24.40	24.40	24.40	0.00	24.70	19.25	19.25	19.25	0.00	19.50
		1	99	24.33	24.26	24.29	0.00	24.70	18.89	18.80	18.80	0.00	19.50
		50	0	23.25	23.17	23.19	1.00	23.70	18.96	18.89	18.84	0.00	19.50
		50	24	23.33	23.30	23.25	1.00	23.70	19.25	19.25	19.25	0.00	19.50
		50	50	23.28	23.21	23.23	1.00	23.70	18.98	18.91	18.91	0.00	19.50
	16QAM	100	0	23.23	23.25	23.18	1.00	23.70	18.92	19.25	18.90	0.00	19.50
		1	0	23.69	23.66	23.66	1.00	23.70	19.41	19.38	19.35	0.00	19.50
		1	49	23.69	23.58	23.63	1.00	23.70	19.37	19.29	19.32	0.00	19.50
		1	99	23.64	23.57	23.59	1.00	23.70	19.34	19.24	19.27	0.00	19.50
		50	0	22.21	22.16	22.16	2.00	22.70	18.93	18.89	18.88	0.00	19.50
		50	24	22.29	22.13	22.23	2.00	22.70	19.00	18.87	18.94	0.00	19.50
	64QAM	50	50	22.24	22.17	22.20	2.00	22.70	18.93	18.89	18.91	0.00	19.50
		100	0	22.22	22.14	22.18	2.00	22.70	18.94	18.87	18.90	0.00	19.50
		1	0	22.46	22.39	22.42	2.00	22.70	19.16	19.11	19.27	0.00	19.50
		1	49	22.53	22.34	22.42	2.00	22.70	19.19	19.02	19.13	0.00	19.50
		1	99	22.46	22.39	22.42	2.00	22.70	19.16	19.08	19.12	0.00	19.50
		50	0	21.29	21.21	21.21	3.00	21.70	19.00	18.92	18.92	0.00	19.50
	256QAM	50	24	21.35	21.21	21.29	3.00	21.70	19.05	18.92	19.00	0.00	19.50
		50	50	21.32	21.23	21.24	3.00	21.70	19.00	18.95	18.95	0.00	19.50
		100	0	21.25	21.18	21.20	3.00	21.70	18.95	18.90	18.92	0.00	19.50
		1	0	19.01	19.24	19.02	5.00	19.70	18.92	18.91	18.74	0.00	19.50
		1	49	19.02	19.15	19.22	5.00	19.70	18.91	18.86	19.00	0.00	19.50
		1	99	19.11	19.00	19.28	5.00	19.70	18.90	18.96	18.70	0.00	19.50
15 MHz	QPSK	50	0	19.09	19.12	19.19	5.00	19.70	18.70	18.96	18.82	0.00	19.50
		50	24	19.00	19.21	19.01	5.00	19.70	18.97	18.74	18.77	0.00	19.50
		50	50	19.21	19.21	19.17	5.00	19.70	18.88	18.85	18.84	0.00	19.50
		100	0	19.19	19.22	19.00	5.00	19.70	18.98	18.77	18.90	0.00	19.50
	16QAM	1	0	24.20	24.39	24.44	0.00	24.70	18.71	18.93	18.93	0.00	19.50
		1	37	24.43	24.35	24.39	0.00	24.70	18.93	18.89	18.92	0.00	19.50
		1	74	24.27	24.30	24.36	0.00	24.70	18.80	18.85	18.89	0.00	19.50
		36	0	23.16	23.10	23.13	1.00	23.70	18.83	18.79	18.76	0.00	19.50
		36	20	23.32	23.17	23.23	1.00	23.70	18.99	18.87	18.89	0.00	19.50
		36	39	23.29	23.22	23.27	1.00	23.70	18.99	18.91	18.96	0.00	19.50
	64QAM	75	0	23.20	23.02	23.18	1.00	23.70	18.91	18.84	18.83	0.00	19.50
		1	0	23.47	23.62	23.61	1.00	23.70	19.23	19.33	19.41	0.00	19.50
		1	37	23.62	23.61	23.58	1.00	23.70	19.47	19.25	19.31	0.00	19.50
		1	74	23.60	23.66	23.60	1.00	23.70	19.25	19.30	19.48	0.00	19.50
		36	0	22.13	22.07	22.11	2.00	22.70	18.85	18.80	18.79	0.00	19.50
		36	20	22.29	22.15	22.20	2.00	22.70	18.99	18.88	18.89	0.00	19.50
	256QAM	36	39	22.26	22.20	22.25	2.00	22.70	18.94	18.93	18.93	0.00	19.50
		75	0	22.25	22.08	22.17	2.00	22.70	18.94	18.84	18.85	0.00	19.50
		1	0	22.23	22.43	22.47	2.00	22.70	19.25	19.44	19.44	0.00	19.50
		1	37	22.55	22.46	22.47	2.00	22.70	19.45	19.50	19.44	0.00	19.50
		1	74	22.39	22.45	22.50	2.00	22.70	19.42	19.47	19.44	0.00	19.50
		36	0	21.16	21.13	21.16	3.00	21.70	18.88	18.82	18.82	0.00	19.50
15 MHz	64QAM	36	20	21.34	21.20	21.26	3.00	21.70	19.03	18.91	18.92	0.00	19.50
		36	39	21.29	21.26	21.30	3.00	21.70	18.98	18.95	18.94	0.00	19.50
		75	0	21.30	21.17	21.21	3.00	21.70	19.00	18.88	18.91	0.00	19.50
	256QAM	1	0	19.03	19.04	19.15	5.00	19.70	18.87	18.76	18.70	0.00	19.50
		1	37	19.17	19.00	19.24	5.00	19.70	18.72	18.86	18.78	0.00	19.50
		1	74	19.12	19.04	19.24	5.00	19.70	18.99	18.77	18.70	0.00	19.50
	256QAM	36	0	19.30	19.00	19.17	5.00	19.70	18.97	18.95	18.80	0.00	19.50
		36	20	19.19	19.21	19.21	5.00	19.70	18.79	18.95	18.79	0.00	19.50
		36	39	19.29	19.28	19.27	5.00	19.70	18.94	18.82	18.84	0.00	19.50
		75	0	19.27	19.22	19.09	5.00	19.70	18.85	18.74	18.95	0.00	19.50

LTE Band 25 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26090	26365	26640	MPR	Tune-up Limit	26090	26365	26640	MPR	Tune-up Limit
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	24.06	23.93	24.23	0.00	24.70	18.56	18.52	18.78	0.00	19.50
		1	25	24.26	24.18	24.25	0.00	24.70	18.83	18.72	18.78	0.00	19.50
		1	49	24.09	23.93	24.25	0.00	24.70	18.59	18.66	18.77	0.00	19.50
		25	0	23.15	23.04	23.11	1.00	23.70	18.83	18.78	18.79	0.00	19.50
		25	12	23.30	23.13	23.29	1.00	23.70	19.00	18.87	18.96	0.00	19.50
		25	25	23.25	23.16	23.21	1.00	23.70	18.94	18.87	18.89	0.00	19.50
	16QAM	50	0	23.25	23.06	23.21	1.00	23.70	18.93	18.79	18.92	0.00	19.50
		1	0	23.04	22.97	23.28	1.00	23.70	18.72	18.69	18.96	0.00	19.50
		1	25	23.25	23.12	23.20	1.00	23.70	18.94	18.85	18.88	0.00	19.50
		1	49	23.08	22.94	23.23	1.00	23.70	18.70	18.64	18.91	0.00	19.50
		25	0	22.23	22.15	22.19	2.00	22.70	18.95	18.87	18.89	0.00	19.50
		25	12	22.41	22.23	22.34	2.00	22.70	19.11	18.95	19.06	0.00	19.50
	64QAM	25	25	22.35	22.27	22.28	2.00	22.70	19.06	18.98	18.99	0.00	19.50
		50	0	22.25	22.08	22.21	2.00	22.70	18.96	18.82	18.91	0.00	19.50
		1	0	22.23	22.09	22.45	2.00	22.70	18.87	18.83	19.11	0.00	19.50
		1	25	22.45	22.32	22.40	2.00	22.70	19.12	19.04	19.07	0.00	19.50
		1	49	22.12	22.12	22.41	2.00	22.70	18.84	18.83	19.02	0.00	19.50
		25	0	21.22	21.16	21.17	3.00	21.70	18.89	18.89	18.89	0.00	19.50
	256QAM	25	12	21.36	21.26	21.36	3.00	21.70	19.06	18.98	19.06	0.00	19.50
		25	25	21.34	21.27	21.31	3.00	21.70	19.02	19.01	19.02	0.00	19.50
		50	0	21.26	21.10	21.22	3.00	21.70	18.92	18.85	18.92	0.00	19.50
		1	0	19.20	19.25	19.05	5.00	19.70	18.85	18.78	18.79	0.00	19.50
		1	25	19.00	19.15	19.23	5.00	19.70	18.74	18.75	18.84	0.00	19.50
		1	49	19.18	19.02	19.06	5.00	19.70	18.80	18.94	18.81	0.00	19.50
5 MHz	QPSK	25	0	19.28	19.17	19.28	5.00	19.70	18.71	18.88	18.95	0.00	19.50
		25	12	19.26	19.05	19.29	5.00	19.70	18.83	18.95	18.87	0.00	19.50
		25	25	19.26	19.01	19.20	5.00	19.70	18.98	18.70	18.85	0.00	19.50
		50	0	19.30	19.12	19.09	5.00	19.70	18.98	18.87	18.92	0.00	19.50
	16QAM	1	0	24.32	24.25	24.33	0.00	24.70	18.84	18.78	18.91	0.00	19.50
		1	12	24.38	24.30	24.35	0.00	24.70	18.91	18.83	18.95	0.00	19.50
		1	24	24.41	24.36	24.40	0.00	24.70	18.96	18.90	18.97	0.00	19.50
		12	0	23.26	23.15	23.17	1.00	23.70	18.98	18.84	18.90	0.00	19.50
		12	7	23.30	23.18	23.23	1.00	23.70	19.02	18.87	18.95	0.00	19.50
		12	13	23.32	23.21	23.26	1.00	23.70	19.00	18.92	18.98	0.00	19.50
	64QAM	25	0	23.28	23.11	23.18	1.00	23.70	18.99	18.84	18.93	0.00	19.50
		1	0	23.37	23.26	23.34	1.00	23.70	18.99	18.92	19.09	0.00	19.50
		1	12	23.43	23.33	23.42	1.00	23.70	19.03	18.95	19.19	0.00	19.50
		1	24	23.50	23.45	23.38	1.00	23.70	19.13	19.06	19.19	0.00	19.50
		12	0	22.31	22.20	22.23	2.00	22.70	19.06	18.88	18.91	0.00	19.50
		12	7	22.35	22.22	22.26	2.00	22.70	19.08	18.92	18.96	0.00	19.50
	256QAM	12	13	22.33	22.26	22.30	2.00	22.70	19.08	18.97	18.99	0.00	19.50
		25	0	22.25	22.10	22.16	2.00	22.70	18.94	18.80	18.82	0.00	19.50
		1	0	22.47	22.36	22.48	2.00	22.70	19.12	19.10	19.17	0.00	19.50
		1	12	22.59	22.50	22.57	2.00	22.70	19.22	19.19	19.35	0.00	19.50
		1	24	22.61	22.53	22.54	2.00	22.70	19.27	19.23	19.29	0.00	19.50
		12	0	21.34	21.18	21.23	3.00	21.70	19.02	18.92	18.97	0.00	19.50
5 MHz	64QAM	12	7	21.36	21.23	21.29	3.00	21.70	19.04	18.99	19.03	0.00	19.50
		12	13	21.36	21.33	21.33	3.00	21.70	19.04	19.06	19.08	0.00	19.50
		25	0	21.32	21.18	21.21	3.00	21.70	19.02	18.91	18.93	0.00	19.50
		1	0	19.10	19.02	19.29	5.00	19.70	18.70	18.80	18.86	0.00	19.50
		1	12	19.06	19.24	19.29	5.00	19.70	19.00	18.93	18.78	0.00	19.50
		1	24	19.24	19.15	19.07	5.00	19.70	18.97	18.83	18.90	0.00	19.50
	256QAM	12	0	19.28	19.15	19.07	5.00	19.70	18.82	18.80	18.85	0.00	19.50
		12	7	19.30	19.07	19.11	5.00	19.70	18.87	18.76	18.81	0.00	19.50
		12	13	19.19	19.20	19.06	5.00	19.70	18.76	18.93	18.72	0.00	19.50
		25	0	19.22	19.08	19.03	5.00	19.70	18.87	18.80	18.94	0.00	19.50

LTE Band 25 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26055	26365	26675	MPR	Tune-up Limit	26055	26365	26675	MPR	Tune-up Limit
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	24.23	24.17	24.20	0.00	24.70	18.82	18.75	18.79	0.00	19.50
		1	8	24.29	24.20	24.26	0.00	24.70	18.82	18.76	18.81	0.00	19.50
		1	14	24.34	24.29	24.34	0.00	24.70	18.91	18.86	18.89	0.00	19.50
		8	0	23.27	23.10	23.15	1.00	23.70	18.95	18.82	18.89	0.00	19.50
		8	4	23.29	23.15	23.19	1.00	23.70	18.99	18.87	18.90	0.00	19.50
		8	7	23.32	23.18	23.23	1.00	23.70	19.02	18.90	18.97	0.00	19.50
	16QAM	15	0	23.27	23.14	23.18	1.00	23.70	18.97	18.83	18.90	0.00	19.50
		1	0	23.24	23.19	23.21	1.00	23.70	18.96	18.87	19.01	0.00	19.50
		1	8	23.26	23.18	23.21	1.00	23.70	18.92	18.87	18.99	0.00	19.50
		1	14	23.34	23.27	23.29	1.00	23.70	19.01	18.95	19.02	0.00	19.50
		8	0	22.32	22.16	22.18	2.00	22.70	19.03	18.87	18.91	0.00	19.50
		8	4	22.32	22.20	22.24	2.00	22.70	19.07	18.92	18.96	0.00	19.50
	64QAM	8	7	22.35	22.21	22.29	2.00	22.70	19.08	18.94	18.96	0.00	19.50
		15	0	22.22	22.08	22.15	2.00	22.70	18.95	18.82	18.84	0.00	19.50
		1	0	22.48	22.36	22.44	2.00	22.70	19.13	19.09	19.09	0.00	19.50
		1	8	22.48	22.41	22.33	2.00	22.70	19.14	19.08	19.24	0.00	19.50
		1	14	22.54	22.46	22.49	2.00	22.70	19.21	19.16	19.18	0.00	19.50
		8	0	21.20	21.05	21.14	3.00	21.70	18.92	18.84	18.88	0.00	19.50
	256QAM	8	4	21.25	21.11	21.20	3.00	21.70	18.93	18.88	18.94	0.00	19.50
		8	7	21.28	21.12	21.22	3.00	21.70	18.97	18.91	18.94	0.00	19.50
		15	0	21.30	21.16	21.27	3.00	21.70	19.06	18.96	18.96	0.00	19.50
		1	0	19.02	19.16	19.11	5.00	19.70	18.77	18.81	18.91	0.00	19.50
		1	8	19.17	19.19	19.18	5.00	19.70	18.76	18.76	18.92	0.00	19.50
		1	14	19.18	19.20	19.00	5.00	19.70	18.78	18.82	18.79	0.00	19.50
1.4 MHz	QPSK	8	0	19.02	19.14	19.19	5.00	19.70	18.92	18.80	18.75	0.00	19.50
		8	4	19.14	19.17	19.30	5.00	19.70	18.82	18.76	18.96	0.00	19.50
		8	7	19.15	19.01	19.18	5.00	19.70	18.72	18.81	18.71	0.00	19.50
		15	0	19.13	19.13	19.06	5.00	19.70	18.88	18.81	18.84	0.00	19.50
	16QAM	1	0	24.20	24.04	24.24	0.00	24.70	18.78	18.65	18.74	0.00	19.50
		1	3	24.31	24.16	24.32	0.00	24.70	18.85	18.71	18.84	0.00	19.50
		1	5	24.25	24.14	24.29	0.00	24.70	18.79	18.73	18.77	0.00	19.50
		3	0	24.18	24.08	24.26	0.00	24.70	18.80	18.64	18.72	0.00	19.50
		3	1	24.27	24.14	24.29	0.00	24.70	18.83	18.70	18.80	0.00	19.50
		3	3	24.29	24.16	24.29	0.00	24.70	18.86	18.71	18.82	0.00	19.50
	64QAM	6	0	23.19	23.01	23.16	1.00	23.70	18.89	18.75	18.92	0.00	19.50
		1	0	23.17	23.10	23.53	1.00	23.70	18.87	18.73	18.93	0.00	19.50
		1	3	23.25	23.13	23.53	1.00	23.70	18.94	18.80	18.96	0.00	19.50
		1	5	23.22	23.19	23.51	1.00	23.70	18.91	18.86	18.95	0.00	19.50
		3	0	23.36	23.22	23.37	1.00	23.70	19.02	18.92	19.02	0.00	19.50
		3	1	23.41	23.27	23.40	1.00	23.70	19.11	18.95	19.11	0.00	19.50
	256QAM	3	3	23.43	23.28	23.40	1.00	23.70	19.10	18.98	19.09	0.00	19.50
		6	0	22.34	22.24	22.08	2.00	22.70	19.04	18.92	19.09	0.00	19.50
		1	0	22.37	22.25	22.36	2.00	22.70	19.24	18.92	19.03	0.00	19.50
		1	3	22.45	22.30	22.38	2.00	22.70	19.39	18.99	19.14	0.00	19.50
		1	5	22.43	22.34	22.38	2.00	22.70	19.28	19.04	19.05	0.00	19.50
		3	0	22.16	21.99	22.13	2.00	22.70	19.23	18.76	19.04	0.00	19.50
1.4 MHz	64QAM	3	1	22.22	22.07	22.20	2.00	22.70	19.28	18.80	19.09	0.00	19.50
		3	3	22.22	22.07	22.20	2.00	22.70	19.26	18.80	19.13	0.00	19.50
		6	0	21.24	21.15	21.26	3.00	21.70	18.91	18.87	19.24	0.00	19.50
		1	0	19.02	19.23	19.12	5.00	19.70	18.92	18.94	18.93	0.00	19.50
		1	3	19.25	19.02	19.06	5.00	19.70	18.81	18.88	18.73	0.00	19.50
		1	5	19.18	19.24	19.02	5.00	19.70	18.93	18.70	18.85	0.00	19.50
	256QAM	3	0	19.26	19.01	19.04	5.00	19.70	18.95	18.92	18.95	0.00	19.50
		3	1	19.23	19.07	19.17	5.00	19.70	18.79	19.00	18.85	0.00	19.50
		3	3	19.21	19.27	19.12	5.00	19.70	18.75	18.78	18.77	0.00	19.50
		6	0	19.06	19.12	19.23	5.00	19.70	18.83	18.96	18.85	0.00	19.50

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	18.75	18.74	18.75	0.00	19.00	19.83	19.76	19.77	0.00	20.25
		1	49	18.75	18.75	18.75	0.00	19.00	20.25	20.25	20.25	0.00	20.25
		1	99	18.68	18.67	18.71	0.00	19.00	19.72	19.68	19.75	0.00	20.25
		50	0	18.46	18.39	18.41	0.00	19.00	19.78	19.73	19.74	0.00	20.25
		50	24	18.61	18.80	18.60	0.00	19.00	20.25	20.25	20.25	0.00	20.25
		50	50	18.45	18.42	18.51	0.00	19.00	19.79	19.76	19.80	0.00	20.25
	16QAM	100	0	18.42	18.60	18.38	0.00	19.00	19.75	20.25	19.67	0.00	20.25
		1	0	18.92	18.88	18.90	0.00	19.00	20.20	20.18	20.18	0.00	20.25
		1	49	18.87	18.84	18.89	0.00	19.00	20.17	20.12	20.18	0.00	20.25
		1	99	18.79	18.82	18.85	0.00	19.00	20.14	20.09	20.16	0.00	20.25
		50	0	18.58	18.55	18.56	0.00	19.00	19.44	19.39	19.41	0.00	20.25
		50	24	18.65	18.61	18.59	0.00	19.00	19.49	19.44	19.44	0.00	20.25
	64QAM	50	50	18.59	18.55	18.63	0.00	19.00	19.44	19.40	19.48	0.00	20.25
		100	0	18.58	18.53	18.54	0.00	19.00	19.44	19.39	19.35	0.00	20.25
		1	0	18.85	18.82	18.84	0.00	19.00	19.70	19.95	19.69	0.00	20.25
		1	49	18.86	18.81	18.86	0.00	19.00	19.72	19.77	19.71	0.00	20.25
		1	99	18.81	18.78	18.85	0.00	19.00	19.65	19.74	19.77	0.00	20.25
		50	0	18.86	18.80	18.84	0.00	19.00	19.37	19.35	19.33	0.55	19.70
15 MHz	QPSK	50	24	18.91	18.86	18.84	0.00	19.00	19.42	19.41	19.36	0.55	19.70
		50	50	18.86	18.83	18.90	0.00	19.00	19.37	19.37	19.39	0.55	19.70
		100	0	18.80	18.76	18.76	0.00	19.00	19.32	19.27	19.29	0.55	19.70
	16QAM	1	0	17.45	17.32	17.41	1.30	17.70	17.28	17.43	17.47	2.55	17.70
		1	49	17.48	17.45	17.24	1.30	17.70	17.41	17.49	17.39	2.55	17.70
		1	99	17.22	17.42	17.24	1.30	17.70	17.25	17.23	17.32	2.55	17.70
	64QAM	50	0	17.24	17.49	17.44	1.30	17.70	17.37	17.33	17.49	2.55	17.70
		50	24	17.48	17.23	17.49	1.30	17.70	17.30	17.44	17.49	2.55	17.70
		50	50	17.38	17.45	17.32	1.30	17.70	17.37	17.43	17.25	2.55	17.70
	256QAM	100	0	17.41	17.22	17.26	1.30	17.70	17.36	17.43	17.50	2.55	17.70
		1	0	18.57	18.75	18.83	0.00	19.00	19.62	19.81	19.88	0.00	20.25
	QPSK	1	37	18.74	18.71	18.80	0.00	19.00	19.78	19.73	19.83	0.00	20.25
		1	74	18.58	18.69	18.78	0.00	19.00	19.63	19.72	19.81	0.00	20.25
		36	0	18.35	18.31	18.37	0.00	19.00	19.68	19.66	19.71	0.00	20.25
		36	20	18.51	18.48	18.46	0.00	19.00	19.85	19.81	19.80	0.00	20.25
		36	39	18.47	18.44	18.53	0.00	19.00	19.81	19.78	19.86	0.00	20.25
	16QAM	75	0	18.41	18.36	18.46	0.00	19.00	19.76	19.71	19.81	0.00	20.25
		1	0	18.68	18.82	18.86	0.00	19.00	20.04	20.13	20.15	0.00	20.25
		1	37	18.94	18.83	18.91	0.00	19.00	20.17	20.18	20.25	0.00	20.25
		1	74	18.81	18.92	18.92	0.00	19.00	20.13	20.15	20.24	0.00	20.25
		36	0	18.49	18.45	18.52	0.00	19.00	19.35	19.31	19.36	0.00	20.25
		36	20	18.63	18.60	18.60	0.00	19.00	19.51	19.47	19.45	0.00	20.25
	64QAM	36	39	18.60	18.58	18.66	0.00	19.00	19.47	19.43	19.51	0.00	20.25
		75	0	18.58	18.55	18.66	0.00	19.00	19.47	19.42	19.51	0.00	20.25
		1	0	18.63	18.86	18.90	0.00	19.00	19.80	20.05	20.06	0.00	20.25
		1	37	18.87	18.83	18.91	0.00	19.00	20.05	20.10	20.11	0.00	20.25
		1	74	18.75	18.84	18.88	0.00	19.00	19.95	20.06	20.13	0.00	20.25
		36	0	18.74	18.69	18.78	0.00	19.00	19.25	19.21	19.25	0.55	19.70
15 MHz	256QAM	36	20	18.91	18.85	18.87	0.00	19.00	19.41	19.36	19.35	0.55	19.70
		36	39	18.86	18.80	18.91	0.00	19.00	19.35	19.34	19.40	0.55	19.70
		75	0	18.86	18.83	18.91	0.00	19.00	19.36	19.31	19.41	0.55	19.70
		1	0	17.23	17.40	17.25	1.30	17.70	17.27	17.49	17.25	2.55	17.70
		1	37	17.33	17.24	17.34	1.30	17.70	17.45	17.22	17.43	2.55	17.70
		1	74	17.21	17.48	17.49	1.30	17.70	17.29	17.26	17.24	2.55	17.70
	QPSK	36	0	17.38	17.33	17.48	1.30	17.70	17.29	17.42	17.38	2.55	17.70
		36	20	17.49	17.32	17.45	1.30	17.70	17.34	17.30	17.32	2.55	17.70
		36	39	17.49	17.49	17.26	1.30	17.70	17.42	17.49	17.21	2.55	17.70
		75	0	17.30	17.48	17.48	1.30	17.70	17.28	17.35	17.42	2.55	17.70

LTE Band 25 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26090	26365	26640	MPR	Tune-up Limit	26090	26365	26640	MPR	Tune-up Limit
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	18.46	18.33	18.65	0.00	19.00	19.43	19.37	19.66	0.00	20.25
		1	25	18.61	18.60	18.68	0.00	19.00	19.65	19.60	19.69	0.00	20.25
		1	49	18.38	18.35	18.65	0.00	19.00	19.47	19.34	19.67	0.00	20.25
		25	0	18.35	18.27	18.37	0.00	19.00	19.67	19.61	19.68	0.00	20.25
		25	12	18.49	18.45	18.52	0.00	19.00	19.83	19.77	19.83	0.00	20.25
		25	25	18.42	18.38	18.47	0.00	19.00	19.74	19.69	19.79	0.00	20.25
		50	0	18.42	18.38	18.46	0.00	19.00	19.75	19.67	19.78	0.00	20.25
	16QAM	1	0	18.27	18.21	18.52	0.00	19.00	19.57	19.49	19.79	0.00	20.25
		1	25	18.42	18.38	18.47	0.00	19.00	19.71	19.67	19.72	0.00	20.25
		1	49	18.21	18.16	18.43	0.00	19.00	19.57	19.45	19.80	0.00	20.25
		25	0	18.58	18.53	18.61	0.00	19.00	19.45	19.39	19.46	0.00	20.25
		25	12	18.74	18.67	18.78	0.00	19.00	19.61	19.52	19.63	0.00	20.25
		25	25	18.68	18.62	18.73	0.00	19.00	19.54	19.50	19.57	0.00	20.25
		50	0	18.61	18.55	18.66	0.00	19.00	19.47	19.40	19.52	0.00	20.25
	64QAM	1	0	18.54	18.51	18.86	0.00	19.00	19.36	19.34	19.72	0.00	20.25
		1	25	18.80	18.74	18.84	0.00	19.00	19.65	19.61	19.66	0.00	20.25
		1	49	18.50	18.48	18.89	0.00	19.00	19.35	19.34	19.70	0.00	20.25
		25	0	18.80	18.73	18.81	0.00	19.00	19.29	19.28	19.31	0.55	19.70
		25	12	18.95	18.92	18.72	0.00	19.00	19.47	19.43	19.50	0.55	19.70
		25	25	18.90	18.84	18.99	0.00	19.00	19.40	19.38	19.46	0.55	19.70
	256QAM	50	0	18.81	18.76	18.83	0.00	19.00	19.34	19.26	19.35	0.55	19.70
		1	0	17.46	17.29	17.31	1.30	17.70	17.27	17.26	17.22	2.55	17.70
		1	25	17.48	17.37	17.26	1.30	17.70	17.42	17.23	17.23	2.55	17.70
		1	49	17.27	17.40	17.40	1.30	17.70	17.27	17.47	17.21	2.55	17.70
		25	0	17.24	17.30	17.43	1.30	17.70	17.23	17.25	17.40	2.55	17.70
		25	12	17.22	17.23	17.44	1.30	17.70	17.41	17.34	17.43	2.55	17.70
5 MHz	QPSK	25	25	17.35	17.23	17.39	1.30	17.70	17.48	17.24	17.45	2.55	17.70
		50	0	17.40	17.20	17.23	1.30	17.70	17.39	17.23	17.45	2.55	17.70
	16QAM	1	0	18.71	18.66	18.76	0.00	19.00	19.71	19.61	19.77	0.00	20.25
		1	12	18.76	18.68	18.79	0.00	19.00	19.76	19.69	19.80	0.00	20.25
		1	24	18.82	18.77	18.81	0.00	19.00	19.81	19.75	19.85	0.00	20.25
		12	0	18.43	18.39	18.44	0.00	19.00	19.77	19.68	19.77	0.00	20.25
	64QAM	12	7	18.55	18.47	18.48	0.00	19.00	19.83	19.78	19.81	0.00	20.25
		12	13	18.51	18.43	18.53	0.00	19.00	19.81	19.73	19.88	0.00	20.25
		25	0	18.51	18.45	18.43	0.00	19.00	19.82	19.73	19.78	0.00	20.25
	256QAM	1	0	18.59	18.51	18.63	0.00	19.00	19.91	19.77	19.93	0.00	20.25
		1	12	18.70	18.61	18.65	0.00	19.00	20.00	19.84	20.07	0.00	20.25
		1	24	18.69	18.65	18.68	0.00	19.00	19.97	19.96	20.01	0.00	20.25
		12	0	18.61	18.59	18.62	0.00	19.00	19.47	19.41	19.48	0.00	20.25
		12	7	18.73	18.64	18.68	0.00	19.00	19.58	19.48	19.55	0.00	20.25
		12	13	18.70	18.67	18.73	0.00	19.00	19.56	19.49	19.60	0.00	20.25
	16QAM	25	0	18.63	18.57	18.57	0.00	19.00	19.44	19.40	19.43	0.00	20.25
		1	0	18.88	18.78	18.91	0.00	19.00	19.69	19.67	19.81	0.00	20.25
		1	12	18.80	18.87	18.99	0.00	19.00	19.81	19.75	19.88	0.00	20.25
		1	24	18.96	18.92	18.97	0.00	19.00	19.83	19.78	19.87	0.00	20.25
		12	0	18.84	18.82	18.88	0.00	19.00	19.35	19.33	19.44	0.55	19.70
		12	7	18.97	18.88	18.96	0.00	19.00	19.45	19.41	19.42	0.55	19.70
	64QAM	12	13	18.99	18.93	18.97	0.00	19.00	19.46	19.44	19.50	0.55	19.70
		25	0	18.88	18.85	18.87	0.00	19.00	19.39	19.31	19.38	0.55	19.70
	256QAM	1	0	17.48	17.32	17.50	1.30	17.70	17.36	17.32	17.27	2.55	17.70
		1	12	17.43	17.30	17.28	1.30	17.70	17.43	17.35	17.43	2.55	17.70
		1	24	17.31	17.49	17.37	1.30	17.70	17.30	17.44	17.39	2.55	17.70
		12	0	17.45	17.44	17.38	1.30	17.70	17.35	17.36	17.25	2.55	17.70
		12	7	17.42	17.41	17.27	1.30	17.70	17.49	17.29	17.25	2.55	17.70
		12	13	17.25	17.21	17.47	1.30	17.70	17.21	17.22	17.35	2.55	17.70
		25	0	17.36	17.47	17.25	1.30	17.70	17.24	17.29	17.34	2.55	17.70

LTE Band 25 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26055	26365	26675	MPR	Tune-up Limit	26055	26365	26675	MPR	Tune-up Limit
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	18.67	18.59	18.68	0.00	19.00	19.64	19.55	19.67	0.00	20.25
		1	8	18.66	18.57	18.69	0.00	19.00	19.65	19.56	19.67	0.00	20.25
		1	14	18.74	18.65	18.77	0.00	19.00	19.74	19.64	19.77	0.00	20.25
		8	0	18.44	18.33	18.43	0.00	19.00	19.76	19.63	19.75	0.00	20.25
		8	4	18.50	18.46	18.48	0.00	19.00	19.82	19.73	19.77	0.00	20.25
		8	7	18.55	18.46	18.55	0.00	19.00	19.83	19.74	19.86	0.00	20.25
		15	0	18.51	18.43	18.48	0.00	19.00	19.78	19.72	19.78	0.00	20.25
	16QAM	1	0	18.46	18.39	18.52	0.00	19.00	19.73	19.68	19.77	0.00	20.25
		1	8	18.46	18.39	18.50	0.00	19.00	19.71	19.64	19.82	0.00	20.25
		1	14	18.54	18.48	18.57	0.00	19.00	19.80	19.79	19.89	0.00	20.25
		8	0	18.65	18.56	18.63	0.00	19.00	19.51	19.37	19.46	0.00	20.25
		8	4	18.69	18.66	18.67	0.00	19.00	19.57	19.47	19.56	0.00	20.25
		8	7	18.75	18.65	18.77	0.00	19.00	19.60	19.52	19.60	0.00	20.25
		15	0	18.62	18.56	18.59	0.00	19.00	19.48	19.39	19.45	0.00	20.25
	64QAM	1	0	18.84	18.77	18.83	0.00	19.00	19.65	19.60	19.70	0.00	20.25
		1	8	18.82	18.76	18.76	0.00	19.00	19.69	19.61	19.62	0.00	20.25
		1	14	18.88	18.85	18.90	0.00	19.00	19.71	19.66	19.75	0.00	20.25
		8	0	18.81	18.68	18.79	0.00	19.00	19.29	19.19	19.28	0.55	19.70
		8	4	18.83	18.78	18.84	0.00	19.00	19.35	19.29	19.34	0.55	19.70
		8	7	18.85	18.82	18.93	0.00	19.00	19.38	19.33	19.41	0.55	19.70
	256QAM	15	0	18.91	18.83	18.89	0.00	19.00	19.39	19.33	19.39	0.55	19.70
		1	0	17.41	17.48	17.46	1.30	17.70	17.40	17.39	17.38	2.55	17.70
		1	8	17.46	17.36	17.24	1.30	17.70	17.46	17.37	17.28	2.55	17.70
		1	14	17.23	17.43	17.21	1.30	17.70	17.32	17.39	17.33	2.55	17.70
		8	0	17.43	17.41	17.44	1.30	17.70	17.47	17.48	17.35	2.55	17.70
		8	4	17.39	17.34	17.33	1.30	17.70	17.36	17.22	17.24	2.55	17.70
1.4 MHz	QPSK	8	7	17.44	17.49	17.44	1.30	17.70	17.47	17.35	17.41	2.55	17.70
		15	0	17.35	17.33	17.45	1.30	17.70	17.38	17.44	17.20	2.55	17.70
	16QAM	1	0	18.42	18.74	18.38	0.00	19.00	19.68	19.55	19.70	0.00	20.25
		1	3	18.80	18.79	18.79	0.00	19.00	19.73	19.64	19.73	0.00	20.25
		1	5	18.72	18.68	18.70	0.00	19.00	19.71	19.55	19.71	0.00	20.25
		3	0	18.79	18.72	18.78	0.00	19.00	19.60	19.53	19.67	0.00	20.25
	64QAM	3	1	18.77	18.72	18.76	0.00	19.00	19.66	19.60	19.73	0.00	20.25
		3	3	18.76	18.70	18.74	0.00	19.00	19.67	19.58	19.72	0.00	20.25
		6	0	18.71	18.70	18.70	0.00	19.00	19.71	19.65	19.73	0.00	20.25
	256QAM	1	0	18.90	18.87	18.99	0.00	19.00	19.77	19.63	20.10	0.00	20.25
		1	3	18.82	18.92	18.96	0.00	19.00	19.86	19.68	20.13	0.00	20.25
		1	5	18.98	18.84	18.99	0.00	19.00	19.80	19.66	20.10	0.00	20.25
	QPSK	3	0	18.89	18.89	18.86	0.00	19.00	19.73	19.83	19.91	0.00	20.25
		3	1	18.84	18.89	18.86	0.00	19.00	19.77	19.86	19.95	0.00	20.25
		3	3	18.84	18.87	18.82	0.00	19.00	19.79	19.88	19.97	0.00	20.25
		6	0	18.76	18.80	18.77	0.00	19.00	19.54	19.53	19.37	0.00	20.25
	16QAM	1	0	18.87	18.81	18.82	0.00	19.00	19.62	19.46	19.63	0.00	20.25
		1	3	18.91	18.87	18.87	0.00	19.00	19.65	19.59	19.70	0.00	20.25
		1	5	18.80	18.79	18.78	0.00	19.00	19.67	19.47	19.59	0.00	20.25
		3	0	18.78	18.78	18.77	0.00	19.00	19.84	19.93	20.05	0.00	20.25
		3	1	18.79	18.79	18.77	0.00	19.00	19.90	20.00	20.11	0.00	20.25
		3	3	18.73	18.75	18.72	0.00	19.00	19.90	19.98	20.12	0.00	20.25
	64QAM	6	0	18.79	18.76	18.77	0.00	19.00	19.34	19.50	19.56	0.55	19.70
		1	0	17.34	17.33	17.42	1.30	17.70	17.43	17.38	17.33	2.55	17.70
		1	3	17.26	17.30	17.39	1.30	17.70	17.35	17.45	17.29	2.55	17.70
		1	5	17.32	17.26	17.46	1.30	17.70	17.36	17.40	17.39	2.55	17.70
		3	0	17.44	17.23	17.49	1.30	17.70	17.27	17.28	17.21	2.55	17.70
		3	1	17.39	17.47	17.27	1.30	17.70	17.44	17.21	17.46	2.55	17.70
	256QAM	3	3	17.35	17.22	17.37	1.30	17.70	17.30	17.49	17.47	2.55	17.70
		6	0	17.45	17.26	17.22	1.30	17.70	17.37	17.40	17.42	2.55	17.70

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	25.51	25.57	25.54	0.00	25.70	25.51	25.57	25.54	0.00	25.70
		1	25	25.49	25.51	25.50	0.00	25.70	25.49	25.51	25.50	0.00	25.70
		1	49	25.44	25.50	25.47	0.00	25.70	25.44	25.50	25.47	0.00	25.70
		25	0	24.46	24.44	24.42	1.00	24.70	24.46	24.44	24.42	1.00	24.70
		25	12	24.64	24.62	24.49	1.00	24.70	24.64	24.62	24.49	1.00	24.70
		25	25	24.54	24.52	24.49	1.00	24.70	24.54	24.52	24.49	1.00	24.70
	16QAM	50	0	24.54	24.52	24.43	1.00	24.70	24.54	24.52	24.43	1.00	24.70
		1	0	24.66	24.57	24.45	1.00	24.70	24.66	24.57	24.45	1.00	24.70
		1	25	24.59	24.50	24.41	1.00	24.70	24.59	24.50	24.41	1.00	24.70
		1	49	24.55	24.48	24.40	1.00	24.70	24.55	24.48	24.40	1.00	24.70
		25	0	23.55	23.46	23.45	2.00	23.70	23.55	23.46	23.45	2.00	23.70
		25	12	23.62	23.62	23.54	2.00	23.70	23.62	23.62	23.54	2.00	23.70
	64QAM	25	25	23.66	23.57	23.53	2.00	23.70	23.66	23.57	23.53	2.00	23.70
		50	0	23.58	23.50	23.46	2.00	23.70	23.58	23.50	23.46	2.00	23.70
		1	0	23.46	23.37	23.25	2.00	23.70	23.46	23.37	23.25	2.00	23.70
		1	25	23.39	23.30	23.21	2.00	23.70	23.39	23.30	23.21	2.00	23.70
		1	49	23.35	23.28	23.20	2.00	23.70	23.35	23.28	23.20	2.00	23.70
		25	0	22.35	22.26	22.25	3.00	22.70	22.35	22.26	22.25	3.00	22.70
5 MHz	QPSK	25	12	22.42	22.42	22.34	3.00	22.70	22.42	22.42	22.34	3.00	22.70
		25	25	22.46	22.37	22.33	3.00	22.70	22.46	22.37	22.33	3.00	22.70
		50	0	22.38	22.30	22.26	3.00	22.70	22.38	22.30	22.26	3.00	22.70
	16QAM	1	0	20.52	20.47	20.48	5.00	20.70	20.52	20.47	20.48	5.00	20.70
		1	25	20.43	20.56	20.48	5.00	20.70	20.43	20.56	20.48	5.00	20.70
		1	49	20.49	20.67	20.50	5.00	20.70	20.49	20.67	20.50	5.00	20.70
	64QAM	25	0	20.52	20.52	20.59	5.00	20.70	20.52	20.52	20.59	5.00	20.70
		25	12	20.54	20.42	20.47	5.00	20.70	20.54	20.42	20.47	5.00	20.70
		25	25	20.66	20.45	20.62	5.00	20.70	20.66	20.45	20.62	5.00	20.70
	256QAM	50	0	20.47	20.56	20.67	5.00	20.70	20.47	20.56	20.67	5.00	20.70
		1	0	25.53	25.61	25.49	0.00	25.70	25.53	25.61	25.49	0.00	25.70
	QPSK	1	12	25.62	25.63	25.48	0.00	25.70	25.62	25.63	25.48	0.00	25.70
		1	24	25.56	25.62	25.48	0.00	25.70	25.56	25.62	25.48	0.00	25.70
		12	0	24.59	24.47	24.48	1.00	24.70	24.59	24.47	24.48	1.00	24.70
		12	7	24.70	24.64	24.58	1.00	24.70	24.70	24.64	24.58	1.00	24.70
		12	13	24.66	24.59	24.58	1.00	24.70	24.66	24.59	24.58	1.00	24.70
	16QAM	25	0	24.64	24.59	24.49	1.00	24.70	24.64	24.59	24.49	1.00	24.70
		1	0	24.29	24.36	24.68	1.00	24.70	24.29	24.36	24.68	1.00	24.70
		1	12	24.40	24.36	24.69	1.00	24.70	24.40	24.36	24.69	1.00	24.70
		1	24	24.33	24.39	24.62	1.00	24.70	24.33	24.39	24.62	1.00	24.70
		12	0	23.22	23.19	23.25	2.00	23.70	23.22	23.19	23.25	2.00	23.70
		12	7	23.31	23.27	23.36	2.00	23.70	23.31	23.27	23.36	2.00	23.70
	64QAM	12	13	23.28	23.25	23.30	2.00	23.70	23.28	23.25	23.30	2.00	23.70
		25	0	23.60	23.62	23.57	2.00	23.70	23.60	23.62	23.57	2.00	23.70
		1	0	23.25	23.32	23.64	2.00	23.70	23.25	23.32	23.64	2.00	23.70
		1	12	23.36	23.32	23.65	2.00	23.70	23.36	23.32	23.65	2.00	23.70
		1	24	23.29	23.35	23.58	2.00	23.70	23.29	23.35	23.58	2.00	23.70
		12	0	22.18	22.15	22.21	3.00	22.70	22.18	22.15	22.21	3.00	22.70
	256QAM	12	7	22.27	22.23	22.32	3.00	22.70	22.27	22.23	22.32	3.00	22.70
		12	13	22.24	22.21	22.26	3.00	22.70	22.24	22.21	22.26	3.00	22.70
		25	0	22.56	22.58	22.53	3.00	22.70	22.56	22.58	22.53	3.00	22.70
		1	0	20.46	20.65	20.47	5.00	20.70	20.46	20.65	20.47	5.00	20.70
		1	12	20.45	20.42	20.60	5.00	20.70	20.45	20.42	20.60	5.00	20.70
		1	24	20.55	20.55	20.48	5.00	20.70	20.55	20.55	20.48	5.00	20.70
		12	0	20.65	20.65	20.59	5.00	20.70	20.65	20.65	20.59	5.00	20.70
		12	7	20.69	20.57	20.65	5.00	20.70	20.69	20.57	20.65	5.00	20.70
		12	13	20.67	20.52	20.69	5.00	20.70	20.67	20.52	20.69	5.00	20.70
		25	0	20.58	20.48	20.56	5.00	20.70	20.58	20.48	20.56	5.00	20.70

LTE Band 26 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26740	26865	26990	MPR	Tune-up Limit	26740	26865	26990	MPR	Tune-up Limit
				819 MHz	831.5 MHz	844 MHz			819 MHz	831.5 MHz	844 MHz		
10 MHz	QPSK	1	0	23.61	23.67	23.72	0.00	24.50	23.61	23.67	23.72	0.00	24.50
		1	25	23.64	23.70	23.75	0.00	24.50	23.64	23.70	23.75	0.00	24.50
		1	49	23.59	23.64	23.64	0.00	24.50	23.59	23.64	23.64	0.00	24.50
		25	0	22.57	22.66	22.65	1.00	23.50	22.57	22.66	22.65	1.00	23.50
		25	12	22.77	22.82	22.75	1.00	23.50	22.77	22.82	22.75	1.00	23.50
		25	25	22.72	22.74	22.76	1.00	23.50	22.72	22.74	22.76	1.00	23.50
	16QAM	50	0	22.69	22.71	22.70	1.00	23.50	22.69	22.71	22.70	1.00	23.50
		1	0	22.73	22.77	22.87	1.00	23.50	22.73	22.77	22.87	1.00	23.50
		1	25	22.70	22.76	22.81	1.00	23.50	22.70	22.76	22.81	1.00	23.50
		1	49	22.72	22.77	22.79	1.00	23.50	22.72	22.77	22.79	1.00	23.50
		25	0	21.69	21.73	21.76	2.00	22.50	21.69	21.73	21.76	2.00	22.50
		25	12	21.87	21.88	21.86	2.00	22.50	21.87	21.88	21.86	2.00	22.50
	64QAM	25	25	21.77	21.83	21.84	2.00	22.50	21.77	21.83	21.84	2.00	22.50
		50	0	21.72	21.77	21.72	2.00	22.50	21.72	21.77	21.72	2.00	22.50
		1	0	21.94	21.98	22.02	2.00	22.50	21.94	21.98	22.02	2.00	22.50
		1	25	22.00	21.98	22.04	2.00	22.50	22.00	21.98	22.04	2.00	22.50
		1	49	21.93	21.95	22.04	2.00	22.50	21.93	21.95	22.04	2.00	22.50
		25	0	20.71	20.72	20.76	3.00	21.50	20.71	20.72	20.76	3.00	21.50
	256QAM	25	12	20.90	20.90	20.85	3.00	21.50	20.90	20.90	20.85	3.00	21.50
		25	25	20.86	20.85	20.88	3.00	21.50	20.86	20.85	20.88	3.00	21.50
		50	0	20.72	20.75	20.69	3.00	21.50	20.72	20.75	20.69	3.00	21.50
		1	0	19.50	19.43	19.33	5.00	19.50	19.50	19.43	19.33	5.00	19.50
		1	25	19.46	19.22	19.43	5.00	19.50	19.46	19.22	19.43	5.00	19.50
		1	49	19.45	19.30	19.43	5.00	19.50	19.45	19.30	19.43	5.00	19.50
5 MHz	QPSK	25	0	19.30	19.33	19.32	5.00	19.50	19.30	19.33	19.32	5.00	19.50
		25	12	19.21	19.37	19.30	5.00	19.50	19.21	19.37	19.30	5.00	19.50
		25	25	19.24	19.46	19.50	5.00	19.50	19.24	19.46	19.50	5.00	19.50
		50	0	19.35	19.38	19.39	5.00	19.50	19.35	19.38	19.39	5.00	19.50
	16QAM	1	0	23.64	23.79	23.84	0.00	24.50	23.64	23.79	23.84	0.00	24.50
		1	12	23.74	23.77	23.81	0.00	24.50	23.74	23.77	23.81	0.00	24.50
		1	24	23.72	23.80	23.78	0.00	24.50	23.72	23.80	23.78	0.00	24.50
		12	0	22.67	22.73	22.75	1.00	23.50	22.67	22.73	22.75	1.00	23.50
		12	7	22.83	22.84	22.85	1.00	23.50	22.83	22.84	22.85	1.00	23.50
		12	13	22.76	22.81	22.81	1.00	23.50	22.76	22.81	22.81	1.00	23.50
	64QAM	25	0	22.73	22.82	22.74	1.00	23.50	22.73	22.82	22.74	1.00	23.50
		1	0	22.77	22.94	23.02	1.00	23.50	22.77	22.94	23.02	1.00	23.50
		1	12	22.94	22.95	22.97	1.00	23.50	22.94	22.95	22.97	1.00	23.50
		1	24	22.86	22.93	22.87	1.00	23.50	22.86	22.93	22.87	1.00	23.50
		12	0	21.75	21.81	21.82	2.00	22.50	21.75	21.81	21.82	2.00	22.50
		12	7	21.82	21.91	21.92	2.00	22.50	21.82	21.91	21.92	2.00	22.50
	256QAM	12	13	21.81	21.87	21.86	2.00	22.50	21.81	21.87	21.86	2.00	22.50
		25	0	21.67	21.77	21.71	2.00	22.50	21.67	21.77	21.71	2.00	22.50
		1	0	21.91	22.07	22.14	2.00	22.50	21.91	22.07	22.14	2.00	22.50
		1	12	22.06	22.12	22.17	2.00	22.50	22.06	22.12	22.17	2.00	22.50
		1	24	22.00	22.08	21.96	2.00	22.50	22.00	22.08	21.96	2.00	22.50
		12	0	20.76	20.83	20.84	3.00	21.50	20.76	20.83	20.84	3.00	21.50
5 MHz	QPSK	12	7	20.84	20.95	20.91	3.00	21.50	20.84	20.95	20.91	3.00	21.50
		12	13	20.86	20.86	20.87	3.00	21.50	20.86	20.86	20.87	3.00	21.50
		25	0	20.77	20.82	20.81	3.00	21.50	20.77	20.82	20.81	3.00	21.50
	16QAM	1	0	19.46	19.29	19.33	5.00	19.50	19.46	19.29	19.33	5.00	19.50
		1	12	19.50	19.32	19.22	5.00	19.50	19.50	19.32	19.22	5.00	19.50
		1	24	19.41	19.38	19.32	5.00	19.50	19.41	19.38	19.32	5.00	19.50
	64QAM	12	0	19.36	19.32	19.31	5.00	19.50	19.36	19.32	19.31	5.00	19.50
		12	7	19.23	19.24	19.41	5.00	19.50	19.23	19.24	19.41	5.00	19.50
		12	13	19.37	19.23	19.43	5.00	19.50	19.37	19.23	19.43	5.00	19.50
	256QAM	25	0	19.22	19.25	19.38	5.00	19.50	19.22	19.25	19.38	5.00	19.50

LTE Band 26 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26705	26865	27025	MPR	Tune-up Limit	26705	26865	27025	MPR	Tune-up Limit
				815.5 MHz	831.5 MHz	847.5 MHz			815.5 MHz	831.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	23.60	23.69	23.79	0.00	24.50	23.60	23.69	23.79	0.00	24.50
		1	8	23.65	23.70	23.69	0.00	24.50	23.65	23.70	23.69	0.00	24.50
		1	14	23.68	23.72	23.70	0.00	24.50	23.68	23.72	23.70	0.00	24.50
		8	0	22.68	22.76	22.80	1.00	23.50	22.68	22.76	22.80	1.00	23.50
		8	4	22.80	22.84	22.81	1.00	23.50	22.80	22.84	22.81	1.00	23.50
		8	7	22.82	22.84	22.84	1.00	23.50	22.82	22.84	22.84	1.00	23.50
	16QAM	15	0	22.79	22.78	22.83	1.00	23.50	22.79	22.78	22.83	1.00	23.50
		1	0	22.75	22.84	22.89	1.00	23.50	22.75	22.84	22.89	1.00	23.50
		1	8	22.75	22.80	22.81	1.00	23.50	22.75	22.80	22.81	1.00	23.50
		1	14	22.77	22.87	22.78	1.00	23.50	22.77	22.87	22.78	1.00	23.50
		8	0	21.73	21.82	21.86	2.00	22.50	21.73	21.82	21.86	2.00	22.50
		8	4	21.82	21.91	21.89	2.00	22.50	21.82	21.91	21.89	2.00	22.50
	64QAM	8	7	21.84	21.89	21.91	2.00	22.50	21.84	21.89	21.91	2.00	22.50
		15	0	21.69	21.74	21.78	2.00	22.50	21.69	21.74	21.78	2.00	22.50
		1	0	21.93	22.03	22.11	2.00	22.50	21.93	22.03	22.11	2.00	22.50
		1	8	21.95	22.02	22.07	2.00	22.50	21.95	22.02	22.07	2.00	22.50
		1	14	21.94	22.03	21.66	2.00	22.50	21.94	22.03	21.66	2.00	22.50
		8	0	20.67	20.74	20.79	3.00	21.50	20.67	20.74	20.79	3.00	21.50
	256QAM	8	4	20.75	20.84	20.84	3.00	21.50	20.75	20.84	20.84	3.00	21.50
		8	7	20.79	20.81	20.85	3.00	21.50	20.79	20.81	20.85	3.00	21.50
		15	0	20.80	20.86	20.89	3.00	21.50	20.80	20.86	20.89	3.00	21.50
		1	0	19.46	19.48	19.29	5.00	19.50	19.46	19.48	19.29	5.00	19.50
		1	8	19.23	19.35	19.23	5.00	19.50	19.23	19.35	19.23	5.00	19.50
		1	14	19.29	19.29	19.45	5.00	19.50	19.29	19.29	19.45	5.00	19.50
1.4 MHz	QPSK	8	0	19.48	19.40	19.36	5.00	19.50	19.48	19.40	19.36	5.00	19.50
		8	4	19.22	19.39	19.22	5.00	19.50	19.22	19.39	19.22	5.00	19.50
		8	7	19.47	19.33	19.32	5.00	19.50	19.47	19.33	19.32	5.00	19.50
		15	0	19.36	19.35	19.39	5.00	19.50	19.36	19.35	19.39	5.00	19.50
	16QAM	1	0	23.58	23.61	23.76	0.00	24.50	23.58	23.61	23.76	0.00	24.50
		1	3	23.62	23.74	23.75	0.00	24.50	23.62	23.74	23.75	0.00	24.50
		1	5	23.58	23.67	23.69	0.00	24.50	23.58	23.67	23.69	0.00	24.50
		3	0	23.69	23.63	23.66	0.00	24.50	23.69	23.63	23.66	0.00	24.50
		3	1	23.60	23.71	23.64	0.00	24.50	23.60	23.71	23.64	0.00	24.50
		3	3	23.62	23.69	23.70	0.00	24.50	23.62	23.69	23.70	0.00	24.50
	64QAM	6	0	22.66	22.75	22.69	1.00	23.50	22.66	22.75	22.69	1.00	23.50
		1	0	22.64	22.72	22.83	1.00	23.50	22.64	22.72	22.83	1.00	23.50
		1	3	22.71	22.82	22.93	1.00	23.50	22.71	22.82	22.93	1.00	23.50
		1	5	22.74	22.78	22.81	1.00	23.50	22.74	22.78	22.81	1.00	23.50
		3	0	22.79	22.87	22.76	1.00	23.50	22.79	22.87	22.76	1.00	23.50
		3	1	22.91	22.95	22.81	1.00	23.50	22.91	22.95	22.81	1.00	23.50
	256QAM	3	3	22.92	22.94	22.81	1.00	23.50	22.92	22.94	22.81	1.00	23.50
		6	0	21.86	21.90	21.84	2.00	22.50	21.86	21.90	21.84	2.00	22.50
		1	0	21.79	21.82	21.92	2.00	22.50	21.79	21.82	21.92	2.00	22.50
		1	3	21.82	21.96	21.79	2.00	22.50	21.82	21.96	21.79	2.00	22.50
		1	5	21.79	21.88	21.64	2.00	22.50	21.79	21.88	21.64	2.00	22.50
		3	0	21.77	21.91	21.72	2.00	22.50	21.77	21.91	21.72	2.00	22.50
1.4 MHz	64QAM	3	1	21.88	21.93	21.69	2.00	22.50	21.88	21.93	21.69	2.00	22.50
		3	3	21.86	21.93	21.70	2.00	22.50	21.86	21.93	21.70	2.00	22.50
		6	0	20.97	21.05	20.70	3.00	21.50	20.97	21.05	20.70	3.00	21.50
	256QAM	1	0	19.40	19.48	19.34	5.00	19.50	19.40	19.48	19.34	5.00	19.50
		1	3	19.37	19.49	19.47	5.00	19.50	19.37	19.49	19.47	5.00	19.50
		1	5	19.25	19.47	19.29	5.00	19.50	19.25	19.47	19.29	5.00	19.50
	256QAM	3	0	19.34	19.36	19.41	5.00	19.50	19.34	19.36	19.41	5.00	19.50
		3	1	19.46	19.39	19.30	5.00	19.50	19.46	19.39	19.30	5.00	19.50
		3	3	19.25	19.25	19.33	5.00	19.50	19.25	19.25	19.33	5.00	19.50
		6	0	19.35	19.38	19.35	5.00	19.50	19.35	19.38	19.35	5.00	19.50

LTE Band 30 Measured Results (ANT1)

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	25.27		0.00	25.70	20.60		0.00	21.00
		1	25	25.30		0.00	25.70	21.00		0.00	21.00
		1	49	25.28		0.00	25.70	20.61		0.00	21.00
		25	0	24.34		1.00	24.70	20.71		0.00	21.00
		25	12	24.40		1.00	24.70	21.00		0.00	21.00
		25	25	24.31		1.00	24.70	20.68		0.00	21.00
	16QAM	50	0	24.32		1.00	24.70	21.00		0.00	21.00
		1	0	24.41		1.00	24.70	20.80		0.00	21.00
		1	25	24.37		1.00	24.70	20.74		0.00	21.00
		1	49	24.41		1.00	24.70	20.77		0.00	21.00
		25	0	23.44		2.00	23.70	20.82		0.00	21.00
		25	12	23.51		2.00	23.70	20.87		0.00	21.00
	64QAM	25	25	23.44		2.00	23.70	20.81		0.00	21.00
		50	0	23.38		2.00	23.70	20.74		0.00	21.00
		1	0	23.62		2.00	23.70	20.96		0.00	21.00
		1	25	23.58		2.00	23.70	20.91		0.00	21.00
		1	49	23.64		2.00	23.70	20.91		0.00	21.00
		25	0	22.45		3.00	22.70	20.80		0.00	21.00
	256QAM	25	12	22.51		3.00	22.70	20.87		0.00	21.00
		25	25	22.45		3.00	22.70	20.81		0.00	21.00
		50	0	22.35		3.00	22.70	20.71		0.00	21.00
		1	0	20.50		5.00	20.70	20.65		0.30	20.70
		1	25	20.58		5.00	20.70	20.63		0.30	20.70
		1	49	20.62		5.00	20.70	20.64		0.30	20.70
5 MHz	QPSK	25	0	20.67		5.00	20.70	20.61		0.30	20.70
		25	12	20.62		5.00	20.70	20.62		0.30	20.70
		25	25	20.61		5.00	20.70	20.65		0.30	20.70
		50	0	20.64		5.00	20.70	20.66		0.30	20.70
	16QAM	1	0	25.31		0.00	25.70	20.52		0.00	21.00
		1	12	25.35		0.00	25.70	20.55		0.00	21.00
		1	24	25.35		0.00	25.70	20.54		0.00	21.00
		12	0	24.40		1.00	24.70	20.61		0.00	21.00
		12	7	24.42		1.00	24.70	20.66		0.00	21.00
		12	13	24.38		1.00	24.70	20.60		0.00	21.00
	64QAM	25	0	24.41		1.00	24.70	20.61		0.00	21.00
		1	0	24.51		1.00	24.70	20.74		0.00	21.00
		1	12	24.54		1.00	24.70	20.78		0.00	21.00
		1	24	24.56		1.00	24.70	20.76		0.00	21.00
		12	0	23.45		2.00	23.70	20.70		0.00	21.00
		12	7	23.47		2.00	23.70	20.71		0.00	21.00
	256QAM	12	13	23.46		2.00	23.70	20.70		0.00	21.00
		25	0	23.32		2.00	23.70	20.61		0.00	21.00
		1	0	23.61		2.00	23.70	20.90		0.00	21.00
		1	12	23.61		2.00	23.70	20.94		0.00	21.00
		1	24	23.66		2.00	23.70	20.91		0.00	21.00
		12	0	22.46		3.00	22.70	20.70		0.00	21.00
	QPSK	12	7	22.53		3.00	22.70	20.77		0.00	21.00
		12	13	22.46		3.00	22.70	20.72		0.00	21.00
		25	0	22.42		3.00	22.70	20.68		0.00	21.00
		1	0	20.43		5.00	20.70	20.67		0.30	20.70
	16QAM	1	12	20.65		5.00	20.70	20.65		0.30	20.70
		1	24	20.55		5.00	20.70	20.70		0.30	20.70
		12	0	20.57		5.00	20.70	20.66		0.30	20.70
		12	7	20.68		5.00	20.70	20.65		0.30	20.70
	64QAM	12	13	20.50		5.00	20.70	20.69		0.30	20.70
		25	0	20.64		5.00	20.70	20.65		0.30	20.70
	256QAM	1	0	20.50		5.00	20.70	20.61		0.30	20.70
		1	12	20.55		5.00	20.70	20.65		0.30	20.70
		1	24	20.57		5.00	20.70	20.66		0.30	20.70
		12	0	20.68		5.00	20.70	20.65		0.30	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	19.31		0.00	19.75	20.59		0.00	20.75
		1	25	19.50		0.00	19.75	20.60		0.00	20.75
		1	49	19.27		0.00	19.75	20.60		0.00	20.75
		25	0	19.29		0.00	19.75	20.60		0.00	20.75
		25	12	19.50		0.00	19.75	20.73		0.00	20.75
		25	25	19.34		0.00	19.75	20.66		0.00	20.75
		50	0	19.50		0.00	19.75	20.65		0.00	20.75
	16QAM	1	0	19.44		0.00	19.75	20.75		0.00	20.75
		1	25	19.34		0.00	19.75	20.69		0.00	20.75
		1	49	19.40		0.00	19.75	20.70		0.00	20.75
		25	0	19.39		0.00	19.75	20.30		0.00	20.75
		25	12	19.53		0.00	19.75	20.43		0.00	20.75
		25	25	19.45		0.00	19.75	20.36		0.00	20.75
		50	0	19.40		0.00	19.75	20.29		0.00	20.75
	64QAM	1	0	19.57		0.00	19.75	20.47		0.00	20.75
		1	25	19.63		0.00	19.75	20.54		0.00	20.75
		1	49	19.59		0.00	19.75	20.49		0.00	20.75
		25	0	18.96		0.00	19.75	19.27		0.95	19.80
		25	12	19.11		0.00	19.75	19.43		0.95	19.80
		25	25	19.06		0.00	19.75	19.35		0.95	19.80
		50	0	18.98		0.00	19.75	19.30		0.95	19.80
	256QAM	1	0	17.15		1.95	17.80	17.10		2.95	17.80
		1	25	17.06		1.95	17.80	17.13		2.95	17.80
		1	49	17.15		1.95	17.80	17.18		2.95	17.80
		25	0	16.96		1.95	17.80	17.03		2.95	17.80
		25	12	17.06		1.95	17.80	17.16		2.95	17.80
		25	25	17.06		1.95	17.80	17.05		2.95	17.80
		50	0	17.05		1.95	17.80	16.98		2.95	17.80
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
5 MHz	QPSK	1	0	19.30		0.00	19.75	20.42		0.00	20.75
		1	12	19.41		0.00	19.75	20.52		0.00	20.75
		1	24	19.33		0.00	19.75	20.47		0.00	20.75
		12	0	19.40		0.00	19.75	20.54		0.00	20.75
		12	7	19.44		0.00	19.75	20.57		0.00	20.75
		12	13	19.37		0.00	19.75	20.56		0.00	20.75
		25	0	19.38		0.00	19.75	20.53		0.00	20.75
	16QAM	1	0	19.42		0.00	19.75	20.54		0.00	20.75
		1	12	19.54		0.00	19.75	20.67		0.00	20.75
		1	24	19.53		0.00	19.75	20.67		0.00	20.75
		12	0	19.44		0.00	19.75	20.20		0.00	20.75
		12	7	19.47		0.00	19.75	20.25		0.00	20.75
		12	13	19.45		0.00	19.75	20.22		0.00	20.75
		25	0	19.35		0.00	19.75	20.10		0.00	20.75
	64QAM	1	0	19.57		0.00	19.75	19.84		0.00	20.75
		1	12	19.71		0.00	19.75	19.96		0.00	20.75
		1	24	19.66		0.00	19.75	19.89		0.00	20.75
		12	0	19.07		0.00	19.75	19.19		0.95	19.80
		12	7	19.11		0.00	19.75	19.26		0.95	19.80
		12	13	19.05		0.00	19.75	19.25		0.95	19.80
		25	0	19.01		0.00	19.75	19.17		0.95	19.80
	256QAM	1	0	17.10		1.95	17.80	17.03		2.95	17.80
		1	12	17.03		1.95	17.80	16.94		2.95	17.80
		1	24	17.20		1.95	17.80	16.99		2.95	17.80
		12	0	17.18		1.95	17.80	17.19		2.95	17.80
		12	7	17.12		1.95	17.80	17.17		2.95	17.80
		12	13	16.94		1.95	17.80	16.94		2.95	17.80
		25	0	16.92		1.95	17.80	17.02		2.95	17.80

LTE Band 30 Measured Results (ANT3)

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
10 MHz	QPSK	1	0	24.24		0.00	24.70	19.78		0.00	20.25
		1	25	24.25		0.00	24.70	20.00		0.00	20.25
		1	49	24.22		0.00	24.70	19.75		0.00	20.25
		25	0	23.26		1.00	23.70	19.83		0.00	20.25
		25	12	23.32		1.00	23.70	20.00		0.00	20.25
		25	25	23.22		1.00	23.70	19.80		0.00	20.25
	16QAM	50	0	23.22		1.00	23.70	20.00		0.00	20.25
		1	0	23.37		1.00	23.70	19.99		0.00	20.25
		1	25	23.26		1.00	23.70	19.85		0.00	20.25
		1	49	23.29		1.00	23.70	19.85		0.00	20.25
		25	0	22.34		2.00	22.70	19.95		0.00	20.25
		25	12	22.42		2.00	22.70	20.00		0.00	20.25
	64QAM	25	25	22.33		2.00	22.70	19.90		0.00	20.25
		50	0	22.29		2.00	22.70	19.86		0.00	20.25
		1	0	22.56		2.00	22.70	20.00		0.00	20.25
		1	25	22.53		2.00	22.70	20.00		0.00	20.25
		1	49	21.87		2.00	22.70	20.00		0.00	20.25
		25	0	21.34		3.00	21.70	19.91		0.00	20.25
	256QAM	25	12	21.38		3.00	21.70	19.98		0.00	20.25
		25	25	21.35		3.00	21.70	19.92		0.00	20.25
		50	0	21.26		3.00	21.70	19.83		0.00	20.25
		1	0	19.42		5.00	19.70	19.85		0.55	20.25
		1	25	19.26		5.00	19.70	19.99		0.55	20.25
		1	49	19.44		5.00	19.70	19.99		0.55	20.25
5 MHz	QPSK	25	0	19.23		5.00	19.70	19.96		0.55	20.25
		25	12	19.35		5.00	19.70	19.73		0.55	20.25
		25	25	19.29		5.00	19.70	19.92		0.55	20.25
		50	0	19.39		5.00	19.70	19.95		0.55	20.25
	16QAM	1	0	24.34		0.00	24.70	19.84		0.00	20.25
		1	12	24.35		0.00	24.70	19.85		0.00	20.25
		1	24	24.33		0.00	24.70	19.85		0.00	20.25
		12	0	23.33		1.00	23.70	19.89		0.00	20.25
		12	7	23.38		1.00	23.70	19.91		0.00	20.25
		12	13	23.35		1.00	23.70	19.89		0.00	20.25
	64QAM	25	0	23.34		1.00	23.70	19.87		0.00	20.25
		1	0	23.46		1.00	23.70	20.00		0.00	20.25
		1	12	23.45		1.00	23.70	20.00		0.00	20.25
		1	24	23.46		1.00	23.70	20.00		0.00	20.25
		12	0	22.38		2.00	22.70	19.99		0.00	20.25
		12	7	22.41		2.00	22.70	19.96		0.00	20.25
	256QAM	12	13	22.38		2.00	22.70	19.95		0.00	20.25
		25	0	22.30		2.00	22.70	19.87		0.00	20.25
		1	0	22.53		2.00	22.70	20.00		0.00	20.25
		1	12	22.62		2.00	22.70	20.00		0.00	20.25
		1	24	22.30		2.00	22.70	20.00		0.00	20.25
		12	0	21.37		3.00	21.70	20.00		0.00	20.25
	QPSK	12	7	21.41		3.00	21.70	20.00		0.00	20.25
		12	13	21.38		3.00	21.70	19.97		0.00	20.25
		25	0	21.34		3.00	21.70	19.95		0.00	20.25
		1	0	19.41		5.00	19.70	19.72		0.55	20.25
		1	12	19.23		5.00	19.70	19.80		0.55	20.25
		1	24	19.37		5.00	19.70	19.71		0.55	20.25
	16QAM	12	0	19.41		5.00	19.70	19.99		0.55	20.25
		12	7	19.23		5.00	19.70	19.70		0.55	20.25
		12	13	19.30		5.00	19.70	19.75		0.55	20.25
		25	0	19.32		5.00	19.70	19.96		0.55	20.25

LTE Band 30 Measured Results (ANT4)

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	18.11		0.00	18.50	20.82		0.00	21.00
		1	25	18.50		0.00	18.50	21.00		0.00	21.00
		1	49	18.09		0.00	18.50	20.80		0.00	21.00
		25	0	18.11		0.00	18.50	20.32		0.00	21.00
		25	12	18.50		0.00	18.50	21.00		0.00	21.00
		25	25	18.16		0.00	18.50	20.36		0.00	21.00
	16QAM	50	0	18.50		0.00	18.50	21.00		0.00	21.00
		1	0	18.25		0.00	18.50	20.47		0.00	21.00
		1	25	18.22		0.00	18.50	20.39		0.00	21.00
		1	49	18.22		0.00	18.50	20.43		0.00	21.00
		25	0	17.92		0.00	18.50	19.40		0.80	20.20
		25	12	18.06		0.00	18.50	19.56		0.80	20.20
	64QAM	25	25	17.98		0.00	18.50	19.47		0.80	20.20
		50	0	17.90		0.00	18.50	19.41		0.80	20.20
		1	0	18.12		0.00	18.50	19.59		0.80	20.20
		1	25	18.16		0.00	18.50	19.66		0.80	20.20
		1	49	18.11		0.00	18.50	19.63		0.80	20.20
		25	0	17.90		0.60	18.50	18.40		1.80	19.20
	256QAM	25	12	17.84		0.00	18.50	18.51		1.80	19.20
		25	25	17.76		0.00	18.50	18.47		1.80	19.20
		50	0	17.70		0.00	18.50	18.42		1.80	19.20
		1	0	16.96		1.30	17.20	16.85		3.80	17.20
		1	25	16.85		1.30	17.20	16.91		3.80	17.20
		1	49	16.85		1.30	17.20	16.76		3.80	17.20
		25	0	16.95		1.30	17.20	16.76		3.80	17.20
		25	12	16.94		1.30	17.20	16.89		3.80	17.20
5 MHz	QPSK	25	25	16.71		1.30	17.20	16.76		3.80	17.20
		50	0	16.71		1.30	17.20	16.96		3.80	17.20
		1	0	18.07		0.00	18.50	20.83		0.00	21.00
		1	12	18.16		0.00	18.50	20.94		0.00	21.00
		1	24	18.09		0.00	18.50	20.90		0.00	21.00
		12	0	18.16		0.00	18.50	20.45		0.00	21.00
	16QAM	12	7	18.20		0.00	18.50	20.47		0.00	21.00
		12	13	18.16		0.00	18.50	20.47		0.00	21.00
		25	0	18.17		0.00	18.50	20.45		0.00	21.00
		1	0	18.24		0.00	18.50	20.53		0.00	21.00
		1	12	18.30		0.00	18.50	20.60		0.00	21.00
		1	24	18.28		0.00	18.50	20.57		0.00	21.00
		12	0	17.92		0.00	18.50	19.52		0.80	20.20
		12	7	17.95		0.00	18.50	19.54		0.80	20.20
	64QAM	12	13	17.93		0.00	18.50	19.51		0.80	20.20
		25	0	17.83		0.00	18.50	19.42		0.80	20.20
		1	0	18.06		0.00	18.50	19.65		0.80	20.20
		1	12	18.17		0.00	18.50	19.74		0.80	20.20
		1	24	18.11		0.00	18.50	19.70		0.80	20.20
		12	0	17.85		0.60	18.50	18.53		1.80	19.20
	256QAM	12	7	17.87		0.00	18.50	18.59		1.80	19.20
		12	13	17.84		0.00	18.50	18.54		1.80	19.20
		25	0	17.80		0.00	18.50	18.49		1.80	19.20
		1	0	16.98		1.30	17.20	16.81		3.80	17.20
		1	12	16.85		1.30	17.20	16.75		3.80	17.20
		1	24	16.70		1.30	17.20	16.93		3.80	17.20
		12	0	16.92		1.30	17.20	16.99		3.80	17.20
		12	7	16.71		1.30	17.20	16.74		3.80	17.20
		12	13	17.00		1.30	17.20	16.83		3.80	17.20
		25	0	16.70		1.30	17.20	16.85		3.80	17.20

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	MFR	Tune-up Limit	39750	40185	40620	41055	41490	MFR	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	25.40	25.39	25.08	25.13	24.84	0.00	25.70	22.00	21.86	21.52	21.64	21.31	0.00	22.25
		1	49	25.53	25.50	25.50	25.50	25.50	0.00	25.70	22.00	22.00	22.00	22.00	22.00	0.00	22.25
		1	99	25.52	25.32	25.06	24.80	25.08	0.00	25.70	21.96	21.77	21.53	21.27	21.53	0.00	22.25
		50	0	24.63	24.41	24.34	24.33	24.14	1.00	24.70	22.10	21.89	21.83	21.86	21.61	0.00	22.25
		50	24	24.60	24.60	24.60	24.60	24.60	1.00	24.70	22.10	22.10	22.10	22.10	22.10	0.00	22.25
		50	50	24.57	24.36	24.35	24.18	24.24	1.00	24.70	22.07	21.84	21.84	21.73	21.71	0.00	22.25
		100	0	24.54	24.28	24.33	24.27	24.16	1.00	24.70	21.99	21.75	22.00	21.83	21.66	0.00	22.25
	16QAM	1	0	24.67	24.56	24.17	24.26	23.97	1.00	24.70	22.21	22.01	21.66	21.77	21.50	0.00	22.25
		1	49	24.69	24.51	24.54	24.48	24.35	1.00	24.70	22.15	21.94	21.99	21.95	21.82	0.00	22.25
		1	99	24.68	24.43	24.19	23.92	24.23	1.00	24.70	22.10	21.90	21.68	21.41	21.71	0.00	22.25
		50	0	23.65	23.43	23.37	23.35	23.15	2.00	23.70	22.13	21.91	21.86	21.90	21.64	0.00	22.25
		50	24	23.64	23.41	23.49	23.40	23.30	2.00	23.70	22.15	21.91	21.99	21.91	21.81	0.00	22.25
		50	50	23.61	23.37	23.39	23.23	23.27	2.00	23.70	22.09	21.85	21.91	21.76	21.76	0.00	22.25
		100	0	23.51	23.29	23.36	23.26	23.17	2.00	23.70	22.02	21.80	21.82	21.82	21.63	0.00	22.25
	64QAM	1	0	23.60	23.47	23.02	23.16	22.88	2.00	23.70	22.04	21.89	21.47	21.61	21.35	0.00	22.25
		1	49	23.54	23.38	23.43	23.33	23.22	2.00	23.70	21.99	21.86	21.88	21.81	21.70	0.00	22.25
		1	99	23.54	23.39	23.10	22.79	23.10	2.00	23.70	22.00	21.80	21.59	21.26	21.58	0.00	22.25
		50	0	22.66	22.45	22.37	22.39	22.17	3.00	22.70	21.83	21.62	21.58	21.57	21.35	0.00	22.25
		50	24	22.65	22.43	22.49	22.39	22.31	3.00	22.70	21.82	21.61	21.65	21.57	21.49	0.00	22.25
		50	50	22.61	22.40	22.41	22.27	22.27	3.00	22.70	21.78	21.58	21.59	21.46	21.48	0.00	22.25
		100	0	22.58	22.35	22.41	22.31	22.25	3.00	22.70	21.76	21.52	21.58	21.49	21.42	0.00	22.25
	256QAM	1	0	20.47	20.45	20.69	20.42	20.48	5.00	20.70	20.65	20.69	20.67	20.63	20.62	1.55	20.70
		1	49	20.56	20.62	20.48	20.60	20.68	5.00	20.70	20.63	20.65	20.67	20.64	20.61	1.55	20.70
		1	99	20.64	20.53	20.42	20.50	20.66	5.00	20.70	20.67	20.60	20.68	20.64	20.69	1.55	20.70
		50	0	20.54	20.40	20.63	20.47	20.70	5.00	20.70	20.66	20.69	20.61	20.67	20.67	1.55	20.70
		50	24	20.46	20.46	20.70	20.68	20.53	5.00	20.70	20.69	20.60	20.62	20.67	20.69	1.55	20.70
		50	50	20.41	20.67	20.57	20.64	20.51	5.00	20.70	20.66	20.66	20.65	20.63	20.65	1.55	20.70
		100	0	20.56	20.70	20.58	20.52	20.46	5.00	20.70	20.68	20.61	20.68	20.70	20.68	1.55	20.70
15 MHz	QPSK	1	0	25.57	25.21	25.20	25.27	24.96	0.00	25.70	22.11	21.80	21.75	21.82	21.54	0.00	22.25
		1	37	25.56	25.34	25.37	25.29	25.19	0.00	25.70	22.09	21.89	21.94	21.85	21.76	0.00	22.25
		1	74	25.50	25.08	25.18	25.02	25.13	0.00	25.70	22.04	21.65	21.75	21.53	21.72	0.00	22.25
		36	0	24.60	24.35	24.37	24.36	24.16	1.00	24.70	22.20	21.94	21.93	21.93	21.76	0.00	22.25
		36	20	24.63	24.41	24.46	24.38	24.27	1.00	24.70	22.20	21.98	22.00	21.96	21.87	0.00	22.25
		36	39	24.57	24.32	24.41	24.31	24.24	1.00	24.70	22.17	21.91	21.99	21.85	21.82	0.00	22.25
		75	0	24.56	24.31	24.35	24.31	24.18	1.00	24.70	22.11	21.90	21.97	21.86	21.79	0.00	22.25
	16QAM	1	0	24.70	24.30	24.31	24.36	24.07	1.00	24.70	22.21	21.88	21.93	21.92	21.62	0.00	22.25
		1	37	24.61	24.41	24.45	24.40	24.30	1.00	24.70	22.24	22.00	22.08	21.98	21.87	0.00	22.25
		1	74	24.65	24.20	24.24	24.09	24.24	1.00	24.70	22.20	21.77	21.85	21.67	21.83	0.00	22.25
		36	0	23.63	23.37	23.39	23.38	23.16	2.00	23.70	22.20	21.98	21.98	21.94	21.78	0.00	22.25
		36	20	23.60	23.41	23.43	23.41	23.27	2.00	23.70	22.21	22.01	22.05	21.96	21.84	0.00	22.25
		36	39	23.60	23.32	23.42	23.33	23.26	2.00	23.70	22.15	21.92	22.03	21.91	21.85	0.00	22.25
		75	0	23.54	23.32	23.35	23.32	23.17	2.00	23.70	22.13	21.93	21.95	21.92	21.77	0.00	22.25
	64QAM	1	0	23.34	23.07	23.11	23.22	22.82	2.00	23.70	21.91	21.62	21.52	21.65	21.38	0.00	22.25
		1	37	23.33	23.14	23.17	23.25	23.01	2.00	23.70	21.90	21.73	21.74	21.73	21.59	0.00	22.25
		1	74	23.30	22.89	23.04	22.73	22.95	2.00	23.70	21.87	21.46	21.61	21.35	21.52	0.00	22.25
		36	0	22.60	22.32	22.33	22.30	22.10	3.00	22.70	21.85	21.61	21.61	21.61	21.41	0.00	22.25
		36	20	22.60	22.36	22.43	22.36	22.22	3.00	22.70	21.85	21.67	21.70	21.62	21.54	0.00	22.25
		36	39	22.56	22.31	22.38	22.26	22.22	3.00	22.70	21.80	21.59	21.67	21.54	21.51	0.00	22.25
		75	0	22.58	22.36	22.40	22.32	22.21	3.00	22.70	21.85	21.65	21.66	21.61	21.50	0.00	22.25
	256QAM	1	0	20.59	20.42	20.42	20.56	20.42	5.00	20.70	20.65	20.62	20.63	20.63	20.70	1.55	20.70
		1	37	20.59	20.47	20.45	20.55	20.60	5.00	20.70	20.68	20.64	20.66	20.70	20.67	1.55	20.70
		1	74	20.52	20.67	20.40	20.57	20.59	5.00	20.70	20.68	20.63	20.68	20.69	20.70	1.55	20.70
		36	0	20.43	20.47	20.48	20.65	20.50	5.00	20.70	20.69	20.63	20.64	20.62	20.67	1.55	20.70
		36	20	20.41	20.46	20.55	20.47	20.61	5.00	20.70	20.64	20.66	20.64	20.66	20.65	1.55	20.70
		36	39	20.47	20.60	20.56	20.45	20.66	5.00	20.70	20.65	20.64	20.61	20.68	20.65	1.55	20.70
		75	0	20.49	20.49	20.58	20.65	20.46	5.00	20.70	20.63	20.63	20.66	20.70	20.60	1.55	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	MFR	Tune-up Limit	39750	40185	40620	41055	41490	MFR	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	18.18	18.23	18.21	17.90	17.67	0.00	18.50	19.49	19.56	19.31	19.21	18.97	0.00	19.75
		1	49	18.50	18.50	18.50	18.50	18.50	0.00	18.50	19.75	19.75	19.75	19.75	19.75	0.00	19.75
		1	99	18.15	18.18	17.85	17.62	17.96	0.00	18.50	19.46	19.50	19.23	18.89	19.27	0.00	19.75
		50	0	18.20	18.28	18.21	18.07	17.90	0.00	18.50	19.55	19.56	19.54	19.38	19.21	0.00	19.75
		50	24	18.50	18.50	18.50	18.50	18.50	0.00	18.50	19.75	19.75	19.75	19.75	19.75	0.00	19.75
		50	50	18.21	18.24	18.18	18.00	18.11	0.00	18.50	19.50	19.54	19.53	19.30	19.41	0.00	19.75
		100	0	18.15	18.16	18.50	17.97	17.96	0.00	18.50	19.47	19.49	19.75	19.36	19.29	0.00	19.75
		1	0	18.32	18.41	18.11	18.05	17.76	0.00	18.50	19.63	19.71	19.44	19.35	19.11	0.00	19.75
	16QAM	1	49	18.31	18.37	18.39	18.26	18.22	0.00	18.50	19.63	19.70	19.68	19.58	19.51	0.00	19.75
		1	99	18.35	18.33	18.03	17.75	18.11	0.00	18.50	19.64	19.66	19.32	19.06	19.44	0.00	19.75
		50	0	18.31	18.33	18.25	18.10	17.95	0.00	18.50	19.56	19.61	19.59	19.39	19.25	0.00	19.75
		50	24	18.29	18.30	18.37	18.12	18.10	0.00	18.50	19.60	19.62	19.67	19.45	19.42	0.00	19.75
		50	50	18.30	18.29	18.25	18.05	18.17	0.00	18.50	19.56	19.58	19.58	19.36	19.48	0.00	19.75
		100	0	18.15	18.19	18.22	18.00	17.97	0.00	18.50	19.48	19.49	19.54	19.34	19.30	0.00	19.75
		1	0	18.27	18.32	18.24	17.93	17.64	0.00	18.50	19.59	19.60	19.38	19.23	18.93	0.00	19.75
		1	49	18.22	18.28	18.33	18.18	18.14	0.00	18.50	19.50	19.57	19.55	19.46	19.41	0.00	19.75
	64QAM	1	99	18.30	18.27	17.97	17.63	18.04	0.00	18.50	19.56	19.55	19.22	18.94	19.33	0.00	19.75
		50	0	18.31	18.34	18.28	18.14	17.95	0.00	18.50	19.37	19.42	19.31	19.23	19.05	0.00	19.75
		50	24	18.29	18.32	18.35	18.15	18.09	0.00	18.50	19.39	19.44	19.38	19.24	19.19	0.00	19.75
		50	50	18.26	18.29	18.27	18.05	18.16	0.00	18.50	19.35	19.40	19.28	19.15	19.28	0.00	19.75
		100	0	18.22	18.24	18.28	18.07	18.06	0.00	18.50	19.32	19.34	19.30	19.13	19.10	0.00	19.75
		1	0	17.11	16.98	17.17	16.98	17.18	0.70	17.80	17.35	17.26	17.12	17.22	17.22	1.95	17.80
		1	49	16.95	17.17	16.91	17.17	16.94	0.70	17.80	17.36	17.14	17.22	17.14	17.39	1.95	17.80
		1	99	17.02	17.00	17.19	16.92	17.17	0.70	17.80	17.11	17.37	17.16	17.11	17.29	1.95	17.80
	256QAM	50	0	17.10	17.15	17.08	17.19	17.14	0.70	17.80	17.38	17.18	17.37	17.27	17.23	1.95	17.80
		50	24	17.19	17.15	16.95	17.04	16.95	0.70	17.80	17.22	17.24	17.15	17.32	17.37	1.95	17.80
		50	50	17.08	17.15	16.90	16.93	17.09	0.70	17.80	17.33	17.25	17.35	17.25	17.25	1.95	17.80
		100	0	16.97	17.10	17.17	17.14	17.19	0.70	17.80	17.21	17.31	17.28	17.20	17.32	1.95	17.80
15 MHz	QPSK	1	0	18.14	18.02	18.20	17.93	17.65	0.00	18.50	19.48	19.31	19.41	19.31	19.07	0.00	19.75
		1	37	18.16	18.21	18.26	18.16	18.02	0.00	18.50	19.47	19.53	19.54	19.38	19.36	0.00	19.75
		1	74	18.11	17.95	18.22	17.98	18.05	0.00	18.50	19.45	19.27	19.33	19.08	19.30	0.00	19.75
		36	0	18.23	18.21	18.07	18.01	17.83	0.00	18.50	19.53	19.51	19.54	19.37	19.25	0.00	19.75
		36	20	18.22	18.26	18.27	18.08	17.97	0.00	18.50	19.57	19.60	19.60	19.40	19.35	0.00	19.75
		36	39	18.20	18.19	18.28	18.08	18.04	0.00	18.50	19.53	19.53	19.60	19.38	19.42	0.00	19.75
		75	0	18.16	18.18	18.20	18.02	17.92	0.00	18.50	19.47	19.52	19.53	19.34	19.28	0.00	19.75
		1	0	18.33	18.15	18.02	18.07	17.78	0.00	18.50	19.64	19.36	19.60	19.43	19.19	0.00	19.75
	16QAM	1	37	18.30	18.34	18.42	18.32	18.16	0.00	18.50	19.60	19.61	19.66	19.50	19.41	0.00	19.75
		1	74	18.22	18.11	18.33	18.13	18.24	0.00	18.50	19.52	19.43	19.41	19.23	19.36	0.00	19.75
		36	0	18.26	18.26	18.13	18.11	17.88	0.00	18.50	19.55	19.57	19.59	19.41	19.25	0.00	19.75
		36	20	18.26	18.31	18.33	18.15	18.02	0.00	18.50	19.57	19.62	19.67	19.42	19.38	0.00	19.75
		36	39	18.24	18.21	18.36	18.13	18.08	0.00	18.50	19.55	19.54	19.60	19.39	19.45	0.00	19.75
		75	0	18.18	18.23	18.30	18.11	18.00	0.00	18.50	19.48	19.51	19.56	19.33	19.30	0.00	19.75
		1	0	17.96	17.85	17.78	17.96	17.74	0.00	18.50	19.24	19.15	19.15	19.20	19.01	0.00	19.75
		1	37	18.03	18.03	18.24	18.27	18.03	0.00	18.50	19.32	19.33	19.36	19.25	19.18	0.00	19.75
	64QAM	1	74	18.04	17.75	18.19	18.07	18.16	0.00	18.50	19.32	19.09	19.20	18.94	19.15	0.00	19.75
		36	0	18.22	18.19	18.14	18.10	17.87	0.00	18.50	19.30	19.30	19.33	19.15	19.01	0.00	19.75
		36	20	18.25	18.26	18.32	18.16	18.01	0.00	18.50	19.32	19.35	19.40	19.17	19.11	0.00	19.75
		36	39	18.20	18.18	18.34	18.15	18.10	0.00	18.50	19.29	19.31	19.34	19.14	19.21	0.00	19.75
		75	0	18.22	18.23	18.31	18.14	17.99	0.00	18.50	19.30	19.33	19.34	19.14	19.11	0.00	19.75
		1	0	17.17	16.93	17.11	17.19	16.94	0.70	17.80	17.17	17.22	17.29	17.18	17.22	1.95	17.80
		1	37	16.95	16.94	16.91	16.93	17.01	0.70	17.80	17.34	17.40	17.16	17.37	17.31	1.95	17.80
		1	74	17.03	17.05	17.08	17.05	17.08	0.70	17.80	17.13	17.41	17.38	17.13	17.15	1.95	17.80
	256QAM	36	0	17.10	17.06	16.95	17.11	17.11	0.70	17.80	17.34	17.27	17.19	17.13	17.35	1.95	17.80
		36	20	16.92	17.15	17.14	17.10	16.93	0.70	17.80	17.28	17.34	17.11	17.14	17.41	1.95	17.80
		36	39	17.19	16.90	17.02	16.97	16.98	0.70	17.80	17.38	17.29	17.20	17.14	17.16	1.95	17.80
		75	0	17.15	17.14	17.12	16.97	17.15	0.70	17.80	17.27	17.15	17.37	17.21	17.23	1.95	17.80

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	MFR	Tune-up Limit	39750	40185	40620	41055	41490	MFR	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	23.81	24.50	24.49	24.20	24.05	0.00	24.70	19.00	19.50	19.19	19.00	19.00	0.00	20.00
		1	49	24.40	24.50	24.60	24.30	24.50	0.00	24.70	19.80	19.50	19.45	19.20	19.30	0.00	20.00
		1	99	24.40	24.34	24.33	24.25	24.50	0.00	24.70	19.50	19.26	19.02	19.00	19.30	0.00	20.00
		50	0	22.71	23.15	23.32	23.24	23.03	1.00	23.70	19.26	19.50	19.27	19.21	19.12	0.00	20.00
		50	24	23.20	23.20	23.34	23.30	23.27	1.00	23.70	19.90	19.50	19.60	19.25	19.30	0.00	20.00
		50	50	23.13	22.99	23.21	23.15	23.22	1.00	23.70	19.66	19.33	19.21	19.18	19.27	0.00	20.00
		100	0	22.86	22.94	23.50	23.46	23.20	1.00	23.70	19.10	19.10	19.60	19.14	19.20	0.00	20.00
	16QAM	1	0	22.82	23.61	23.66	23.66	23.17	1.00	23.70	19.20	19.65	19.60	19.52	19.23	0.00	20.00
		1	49	23.38	23.54	23.70	23.35	23.62	1.00	23.70	19.55	19.54	19.67	19.70	19.69	0.00	20.00
		1	99	23.67	23.35	23.47	23.25	23.64	1.00	23.70	19.58	19.39	19.44	19.33	19.71	0.00	20.00
		50	0	21.97	22.33	22.42	22.55	22.26	2.00	22.70	19.24	19.58	19.35	19.24	19.15	0.00	20.00
		50	24	22.18	22.21	22.47	22.48	22.46	2.00	22.70	19.49	19.49	19.36	19.31	19.36	0.00	20.00
		50	50	22.34	22.10	22.35	22.43	22.42	2.00	22.70	19.67	19.41	19.28	19.23	19.35	0.00	20.00
		100	0	22.02	22.02	22.40	22.56	22.28	2.00	22.70	19.35	19.28	19.25	19.19	19.21	0.00	20.00
	64QAM	1	0	21.90	22.66	22.63	22.68	22.12	2.00	22.70	19.13	19.75	19.56	19.36	19.10	0.00	20.00
		1	49	22.50	22.53	22.69	22.43	22.67	2.00	22.70	19.52	19.60	19.59	19.54	19.56	0.00	20.00
		1	99	22.70	22.31	22.42	22.51	22.69	2.00	22.70	19.68	19.56	19.31	19.18	19.58	0.00	20.00
		50	0	21.14	21.59	21.49	21.55	21.44	3.00	21.70	19.24	19.55	19.37	19.26	19.16	0.00	20.00
		50	24	21.40	21.45	21.52	21.51	21.66	3.00	21.70	19.43	19.44	19.37	19.30	19.36	0.00	20.00
		50	50	21.60	21.43	21.43	21.47	21.65	3.00	21.70	19.66	19.34	19.29	19.25	19.37	0.00	20.00
		100	0	21.32	21.37	21.47	21.57	21.58	3.00	21.70	19.37	19.33	19.34	19.22	19.31	0.00	20.00
	256QAM	1	0	19.23	19.28	19.24	19.26	19.35	5.00	19.70	19.17	18.95	19.04	18.98	18.99	0.30	19.70
		1	49	19.42	19.35	19.41	19.36	19.20	5.00	19.70	18.93	19.12	19.14	18.97	18.98	0.30	19.70
		1	99	19.44	19.46	19.49	19.36	19.46	5.00	19.70	18.99	18.91	18.94	19.07	19.09	0.30	19.70
		50	0	19.45	19.47	19.27	19.38	19.21	5.00	19.70	18.97	18.93	18.95	19.01	19.13	0.30	19.70
		50	24	19.29	19.35	19.38	19.39	19.34	5.00	19.70	19.02	18.92	18.99	18.94	19.15	0.30	19.70
		50	50	19.32	19.29	19.30	19.45	19.32	5.00	19.70	19.12	18.95	18.99	19.09	18.92	0.30	19.70
		100	0	19.40	19.23	19.31	19.41	19.46	5.00	19.70	18.98	18.96	18.91	18.92	18.98	0.30	19.70
15 MHz	QPSK	1	0	24.02	24.39	24.55	24.51	24.16	0.00	24.70	19.01	19.35	19.22	19.09	19.00	0.00	20.00
		1	37	24.43	24.43	24.56	24.57	24.41	0.00	24.70	19.48	19.40	19.23	19.18	19.17	0.00	20.00
		1	74	24.62	24.08	24.33	24.33	24.43	0.00	24.70	19.64	19.04	19.00	19.00	19.20	0.00	20.00
		36	0	22.78	23.11	23.32	23.23	23.06	1.00	23.70	19.34	19.48	19.32	19.22	19.10	0.00	20.00
		36	20	23.04	23.15	23.33	23.27	23.16	1.00	23.70	19.57	19.51	19.30	19.26	19.23	0.00	20.00
		36	39	23.08	22.95	23.28	23.27	23.21	1.00	23.70	19.63	19.33	19.27	19.25	19.28	0.00	20.00
		75	0	22.88	22.96	23.26	23.20	23.15	1.00	23.70	19.43	19.36	19.24	19.17	19.24	0.00	20.00
	16QAM	1	0	23.01	23.47	23.68	23.58	23.34	1.00	23.70	19.50	19.42	19.61	19.64	19.31	0.00	20.00
		1	37	23.37	23.58	23.67	23.65	23.52	1.00	23.70	19.55	19.51	19.65	19.71	19.60	0.00	20.00
		1	74	23.43	23.13	23.46	23.35	23.60	1.00	23.70	19.54	19.13	19.43	19.38	19.68	0.00	20.00
		36	0	22.00	22.24	22.44	22.56	22.24	2.00	22.70	19.33	19.53	19.37	19.32	19.17	0.00	20.00
		36	20	22.24	22.26	22.46	22.56	22.37	2.00	22.70	19.57	19.59	19.37	19.32	19.29	0.00	20.00
		36	39	22.33	22.12	22.41	22.56	22.43	2.00	22.70	19.63	19.43	19.32	19.29	19.32	0.00	20.00
		75	0	22.07	22.08	22.40	22.44	22.34	2.00	22.70	19.37	19.35	19.30	19.18	19.27	0.00	20.00
	64QAM	1	0	21.85	22.40	22.57	22.63	22.27	2.00	22.70	19.25	19.42	19.42	19.38	19.17	0.00	20.00
		1	37	22.32	22.37	22.59	22.69	22.54	2.00	22.70	19.35	19.45	19.33	19.49	19.43	0.00	20.00
		1	74	22.50	22.01	22.43	22.46	22.56	2.00	22.70	19.45	19.20	19.33	19.24	19.44	0.00	20.00
		36	0	21.18	21.48	21.51	21.49	21.45	3.00	21.70	19.18	19.42	19.37	19.25	19.15	0.00	20.00
		36	20	21.38	21.47	21.52	21.53	21.52	3.00	21.70	19.40	19.46	19.37	19.31	19.23	0.00	20.00
		36	39	21.43	21.32	21.47	21.54	21.58	3.00	21.70	19.49	19.27	19.32	19.27	19.29	0.00	20.00
		75	0	21.33	21.36	21.46	21.50	21.55	3.00	21.70	19.33	19.33	19.35	19.26	19.28	0.00	20.00
	256QAM	1	0	19.50	19.46	19.26	19.29	19.31	5.00	19.70	18.93	19.10	19.07	19.06	19.12	0.30	19.70
		1	37	19.34	19.44	19.44	19.23	19.38	5.00	19.70	19.04	19.02	19.10	19.13	18.98	0.30	19.70
		1	74	19.35	19.26	19.34	19.27	19.37	5.00	19.70	19.00	18.97	18.98	18.96	18.97	0.30	19.70
		36	0	19.22	19.39	19.28	19.50	19.24	5.00	19.70	18.90	19.02	19.17	19.07	18.96	0.30	19.70
		36	20	19.31	19.23	19.38	19.25	19.20	5.00	19.70	19.05	19.01	19.18	19.00	18.94	0.30	19.70
		36	39	19.27	19.22	19.33	19.38	19.29	5.00	19.70	18.94	19.17	19.07	19.02	19.09	0.30	19.70
		75	0	19.36	19.35	19.31	19.29	19.28	5.00	19.70	19.09	19.11	19.01	19.10	19.09	0.30	19.70

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	MFR	Tune-up Limit		39750.00	40185.00	40620.00	41055.00	41490.00	MFR	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	24.18	24.34	24.48	24.38	24.20	0.00	24.70		19.22	19.33	19.09	19.05	19.00	0.00	20.00	
		1	25	24.47	24.54	24.59	24.60	24.50	0.00	24.70		19.49	19.53	19.27	19.26	19.27	0.00	20.00	
		1	49	24.64	24.17	24.26	24.37	24.23	0.00	24.70		19.64	19.16	19.00	19.00	19.00	0.00	20.00	
		25	0	22.94	23.14	23.37	23.24	23.13	1.00	23.70		19.45	19.59	19.32	19.19	19.22	0.00	20.00	
		25	12	23.10	23.23	23.37	23.29	23.28	1.00	23.70		19.60	19.64	19.38	19.29	19.38	0.00	20.00	
		25	25	23.12	23.03	23.29	23.28	23.18	1.00	23.70		19.63	19.42	19.21	19.26	19.25	0.00	20.00	
		50	0	22.92	23.03	23.33	23.21	23.21	1.00	23.70		19.42	19.41	19.27	19.19	19.30	0.00	20.00	
		1	0	23.29	23.53	23.68	23.56	23.52	1.00	23.70		19.63	19.52	19.62	19.52	19.48	0.00	20.00	
		1	25	23.43	23.64	23.61	23.69	23.56	1.00	23.70		19.53	19.59	19.66	19.68	19.73	0.00	20.00	
		1	49	23.53	23.37	23.46	23.51	23.48	1.00	23.70		19.61	19.36	19.52	19.49	19.58	0.00	20.00	
	16QAM	25	0	22.15	22.31	22.52	22.56	22.33	2.00	22.70		19.44	19.64	19.36	19.27	19.31	0.00	20.00	
		25	12	22.32	22.33	22.52	22.63	22.44	2.00	22.70		19.59	19.66	19.41	19.35	19.40	0.00	20.00	
		25	25	22.37	22.12	22.41	22.62	22.41	2.00	22.70		19.62	19.50	19.33	19.33	19.32	0.00	20.00	
		50	0	22.15	22.19	22.48	22.57	22.38	2.00	22.70		19.43	19.53	19.33	19.30	19.33	0.00	20.00	
		1	0	22.20	22.27	22.53	22.47	22.28	2.00	22.70		19.44	19.33	19.44	19.22	19.21	0.00	20.00	
		1	25	22.53	22.47	22.64	22.67	22.62	2.00	22.70		19.46	19.54	19.53	19.50	19.54	0.00	20.00	
		1	49	22.61	22.05	22.34	22.55	22.34	2.00	22.70		19.69	19.31	19.24	19.33	19.25	0.00	20.00	
		25	0	21.28	21.46	21.47	21.44	21.46	3.00	21.70		19.30	19.44	19.29	19.17	19.15	0.00	20.00	
		25	12	21.47	21.50	21.50	21.52	21.57	3.00	21.70		19.49	19.53	19.34	19.26	19.30	0.00	20.00	
		25	25	21.46	21.35	21.40	21.47	21.49	3.00	21.70		19.51	19.31	19.21	19.24	19.20	0.00	20.00	
	64QAM	50	0	21.29	21.43	21.43	21.47	21.50	3.00	21.70		19.37	19.38	19.27	19.26	19.24	0.00	20.00	
		1	0	19.24	19.26	19.30	19.47	19.30	5.00	19.70		19.11	18.91	19.17	19.00	18.99	0.30	19.70	
		1	25	19.25	19.36	19.27	19.25	19.46	5.00	19.70		19.19	18.97	19.01	19.13	19.19	0.30	19.70	
		1	49	19.46	19.35	19.22	19.46	19.24	5.00	19.70		19.01	18.97	18.95	19.16	19.07	0.30	19.70	
		25	0	19.41	19.47	19.36	19.20	19.46	5.00	19.70		18.93	19.16	19.08	19.05	19.10	0.30	19.70	
		25	12	19.47	19.46	19.45	19.40	19.33	5.00	19.70		19.01	19.15	18.94	18.96	19.00	0.30	19.70	
		25	25	19.46	19.23	19.35	19.37	19.50	5.00	19.70		18.97	18.96	19.10	18.92	19.13	0.30	19.70	
		50	0	19.45	19.37	19.48	19.38	19.26	5.00	19.70		19.13	18.99	19.07	19.13	19.13	0.30	19.70	
5 MHz	QPSK	1	0	24.37	24.51	24.64	24.56	24.48	0.00	24.70		19.38	19.54	19.31	19.18	19.21	0.00	20.00	
		1	12	24.47	24.51	24.52	24.58	24.54	0.00	24.70		19.46	19.49	19.30	19.30	19.29	0.00	20.00	
		1	24	24.57	24.38	24.51	24.64	24.54	0.00	24.70		19.59	19.35	19.24	19.25	19.26	0.00	20.00	
		12	0	23.01	23.23	23.43	23.29	23.23	1.00	23.70		19.52	19.61	19.36	19.26	19.32	0.00	20.00	
		12	7	23.11	23.23	23.35	23.33	23.27	1.00	23.70		19.62	19.58	19.39	19.28	19.36	0.00	20.00	
		12	13	23.04	23.11	23.32	23.33	23.27	1.00	23.70		19.54	19.48	19.36	19.29	19.37	0.00	20.00	
		25	0	23.00	23.11	23.38	23.32	23.30	1.00	23.70		19.48	19.51	19.32	19.27	19.37	0.00	20.00	
		1	0	23.35	23.58	23.69	23.64	23.55	1.00	23.70		19.69	19.60	19.67	19.65	19.65	0.00	20.00	
		1	12	23.45	23.49	23.66	23.66	23.55	1.00	23.70		19.49	19.58	19.69	19.69	19.65	0.00	20.00	
		1	24	23.53	23.43	23.65	23.63	23.61	1.00	23.70		19.65	19.48	19.69	19.65	19.70	0.00	20.00	
	16QAM	12	0	22.35	22.39	22.63	22.63	22.50	2.00	22.70		19.55	19.72	19.48	19.44	19.40	0.00	20.00	
		12	7	22.40	22.44	22.55	22.67	22.55	2.00	22.70		19.61	19.69	19.52	19.39	19.47	0.00	20.00	
		12	13	22.31	22.34	22.51	22.67	22.55	2.00	22.70		19.57	19.58	19.43	19.46	19.46	0.00	20.00	
		25	0	22.19	22.24	22.48	22.56	22.47	2.00	22.70		19.50	19.55	19.38	19.33	19.32	0.00	20.00	
		1	0	22.54	22.62	22.64	22.59	22.56	2.00	22.70		19.67	19.75	19.70	19.65	19.60	0.00	20.00	
		1	12	22.60	22.62	22.63	22.69	22.63	2.00	22.70		19.63	19.74	19.66	19.67	19.70	0.00	20.00	
		1	24	22.65	22.55	22.69	22.61	22.56	2.00	22.70		19.63	19.74	19.64	19.67	19.67	0.00	20.00	
		12	0	21.36	21.55	21.51	21.48	21.52	3.00	21.70		19.39	19.50	19.36	19.25	19.25	0.00	20.00	
		12	7	21.48	21.52	21.51	21.52	21.61	3.00	21.70		19.46	19.50	19.31	19.29	19.37	0.00	20.00	
		12	13	21.45	21.45	21.48	21.53	21.58	3.00	21.70		19.51	19.44	19.33	19.31	19.32	0.00	20.00	
	64QAM	25	0	21.33	21.42	21.41	21.46	21.57	3.00	21.70		19.38	19.37	19.26	19.20	19.27	0.00	20.00	
		1	0	19.46	19.41	19.32	19.50	19.30	5.00	19.70		18.98	19.19	19.05	18.95	18.91	0.30	19.70	
		1	12	19.31	19.39	19.28	19.35	19.29	5.00	19.70		19.11	19.04	19.10	19.13	19.03	0.30	19.70	
		1	24	19.33	19.49	19.21	19.47	19.30	5.00	19.70		18.91	19.01	19.08	19.13	19.05	0.30	19.70	
		12	0	19.29	19.46	19.30	19.23	19.35	5.00	19.70		19.14	19.05	19.10	19.15	19.12	0.30	19.70	
		12	7	19.23	19.26	19.37	19.33	19.37	5.00	19.70		18.93	19.03	19.09	19.03	19.16	0.30	19.70	
		12	13	19.34	19.42	19.28	19.41	19.31	5.00	19.70		19.09	19.16	19.06	19.05	18.99	0.30	19.70	
		25	0	19.32	19.25	19.42	19.34	19.41	5.00	19.70		19.02	19.06	18.92	19.04	19.16	0.30	19.70	

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	MFR	Tune-up Limit	39750	40185	40620	41055	41490	MFR	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	21.01	21.09	21.46	21.39	20.99	0.00	21.75	21.58	22.00	21.87	21.80	21.39	0.00	22.20		
		1	49	21.75	21.75	21.75	21.75	21.75	0.00	21.75	22.00	22.00	22.00	22.00	22.00	0.00	22.20		
		1	99	21.58	20.93	21.30	21.03	21.20	0.00	21.75	22.00	21.93	21.71	21.44	21.60	0.00	22.20		
		50	0	20.64	20.85	20.85	20.71	20.36	0.55	21.20	20.49	20.62	20.87	20.74	20.43	1.00	21.20		
		50	24	21.15	21.15	21.15	21.15	21.15	0.55	21.20	21.00	21.00	21.00	21.00	21.00	1.00	21.20		
		50	50	20.81	20.70	20.83	20.63	20.53	0.55	21.20	20.68	20.50	20.88	20.65	20.58	1.00	21.20		
		100	0	20.65	20.64	21.20	20.67	20.42	0.55	21.20	20.48	20.47	21.00	20.69	20.44	1.00	21.20		
	16QAM	1	0	20.46	21.03	20.76	20.74	20.26	0.55	21.20	20.31	20.81	20.80	20.76	20.34	1.00	21.20		
		1	49	20.92	20.93	21.01	20.91	20.66	0.55	21.20	20.72	20.72	21.07	20.91	20.70	1.00	21.20		
		1	99	21.05	20.84	20.68	20.34	20.51	0.55	21.20	20.89	20.62	20.73	20.41	20.55	1.00	21.20		
		50	0	19.82	19.96	19.99	19.83	19.51	1.55	20.20	19.77	19.90	19.87	19.74	19.40	2.00	20.20		
		50	24	19.92	19.87	20.07	19.86	19.65	1.55	20.20	19.87	19.83	19.98	19.73	19.53	2.00	20.20		
		50	50	20.00	19.85	19.98	19.76	19.67	1.55	20.20	19.95	19.77	19.88	19.65	19.59	2.00	20.20		
		100	0	19.74	19.78	19.94	19.75	19.50	1.55	20.20	19.74	19.71	19.82	19.56	19.39	2.00	20.20		
	64QAM	1	0	19.54	20.08	19.77	19.73	19.40	1.55	20.20	19.48	20.02	19.67	19.67	19.61	2.00	20.20		
		1	49	19.95	19.92	20.03	19.95	19.65	1.55	20.20	19.89	19.88	19.92	19.76	19.54	2.00	20.20		
		1	99	20.07	19.81	19.71	19.41	19.50	1.55	20.20	20.01	19.74	19.60	19.24	19.37	2.00	20.20		
		50	0	18.95	19.05	18.91	18.81	18.41	2.55	19.20	18.86	19.01	19.00	18.85	18.52	3.00	19.20		
		50	24	19.05	18.95	18.99	18.78	18.54	2.55	19.20	18.97	18.88	19.08	18.84	18.62	3.00	19.20		
		50	50	19.11	18.92	18.91	18.71	18.61	2.55	19.20	19.03	18.87	18.97	18.75	18.68	3.00	19.20		
		100	0	18.94	18.88	18.93	18.69	18.47	2.55	19.20	18.85	18.77	18.99	18.77	18.56	3.00	19.20		
	256QAM	1	0	16.76	16.67	16.58	16.54	16.73	4.55	17.20	16.83	16.79	16.70	16.86	16.60	5.00	17.20		
		1	49	16.67	16.69	16.77	16.75	16.61	4.55	17.20	16.85	16.69	16.67	16.68	16.67	5.00	17.20		
		1	99	16.51	16.69	16.78	16.61	16.56	4.55	17.20	16.62	16.73	16.70	16.78	16.70	5.00	17.20		
		50	0	16.52	16.54	16.52	16.67	16.51	4.55	17.20	16.69	16.86	16.60	16.71	16.62	5.00	17.20		
		50	24	16.79	16.73	16.64	16.58	16.64	4.55	17.20	16.63	16.84	16.61	16.79	16.75	5.00	17.20		
		50	50	16.76	16.56	16.53	16.70	16.77	4.55	17.20	16.64	16.71	16.80	16.84	16.85	5.00	17.20		
		100	0	16.54	16.67	16.53	16.71	16.52	4.55	17.20	16.72	16.84	16.69	16.66	16.79	5.00	17.20		
15 MHz	QPSK	1	0	21.18	20.91	21.58	21.49	21.13	0.00	21.75	21.72	21.86	21.97	21.89	21.49	0.00	22.20		
		1	37	21.45	21.02	21.70	21.56	21.36	0.00	21.75	22.03	22.00	22.05	21.95	21.72	0.00	22.20		
		1	74	21.51	20.93	21.48	21.23	21.26	0.00	21.75	22.09	21.69	21.84	21.64	21.61	0.00	22.20		
		36	0	20.68	20.82	20.87	20.71	20.43	0.55	21.20	20.54	20.56	20.93	20.76	20.44	1.00	21.20		
		36	20	20.83	20.85	20.93	20.73	20.50	0.55	21.20	20.68	20.62	21.00	20.73	20.52	1.00	21.20		
		36	39	20.82	20.69	20.92	20.70	20.55	0.55	21.20	20.67	20.46	20.93	20.74	20.60	1.00	21.20		
		75	0	20.66	20.69	20.89	20.65	20.43	0.55	21.20	20.50	20.43	20.92	20.70	20.44	1.00	21.20		
	16QAM	1	0	20.64	20.73	20.91	20.74	20.48	0.55	21.20	20.41	20.51	20.91	20.81	20.44	1.00	21.20		
		1	37	20.92	20.91	20.98	20.85	20.64	0.55	21.20	20.73	20.66	21.00	20.86	20.65	1.00	21.20		
		1	74	21.01	20.67	20.73	20.55	20.53	0.55	21.20	20.79	20.41	20.79	20.59	20.57	1.00	21.20		
		36	0	19.89	19.93	20.00	19.85	19.54	1.55	20.20	19.79	19.82	19.87	19.73	19.42	2.00	20.20		
		36	20	20.02	19.96	20.08	19.86	19.63	1.55	20.20	19.94	19.86	19.95	19.73	19.50	2.00	20.20		
		36	39	19.97	19.83	20.03	19.84	19.68	1.55	20.20	19.92	19.73	19.90	19.70	19.56	2.00	20.20		
		75	0	19.85	19.82	19.99	19.77	19.53	1.55	20.20	19.75	19.73	19.89	19.61	19.41	2.00	20.20		
	64QAM	1	0	19.48	19.71	19.70	19.77	19.39	1.55	20.20	19.44	19.52	19.59	19.50	19.24	2.00	20.20		
		1	37	19.75	19.78	19.82	19.72	19.47	1.55	20.20	19.69	19.62	19.71	19.57	19.33	2.00	20.20		
		1	74	19.83	19.41	19.69	19.38	19.37	1.55	20.20	19.74	19.28	19.55	19.22	19.24	2.00	20.20		
		36	0	18.94	19.00	18.85	18.73	18.39	2.55	19.20	18.83	18.91	18.95	18.77	18.47	3.00	19.20		
		36	20	19.09	19.07	18.95	18.77	18.48	2.55	19.20	18.99	18.93	19.02	18.78	18.57	3.00	19.20		
		36	39	19.04	18.88	18.87	18.74	18.53	2.55	19.20	18.97	18.76	18.94	18.76	18.63	3.00	19.20		
		75	0	18.98	18.93	18.89	18.73	18.46	2.55	19.20	18.87	18.84	18.99	18.77	18.57	3.00	19.20		
	256QAM	1	0	16.50	16.59	16.59	16.57	16.57	4.55	17.20	16.72	16.67	16.72	16.82	16.66	5.00	17.20		
		1	37	16.69	16.77	16.67	16.69	16.68	4.55	17.20	16.71	16.87	16.72	16.72	16.70	5.00	17.20		
		1	74	16.66	16.61	16.72	16.51	16.71	4.55	17.20	16.82	16.81	16.85	16.71	16.88	5.00	17.20		
		36	0	16.50	16.60	16.63	16.60	16.61	4.55	17.20	16.76	16.66	16.79	16.68	16.79	5.00	17.20		
		36	20	16.56	16.59	16.70	16.63	16.53	4.55	17.20	16.75	16.72	16.77	16.63	16.79	5.00	17.20		
		36	39	16.59	16.62	16.69	16.58	16.66	4.55	17.20	16.88	16.84	16.73	16.72	16.61	5.00	17.20		
		75	0	16.72	16.73	16.56	16.74	16.75	4.55	17.20	16.67	16.66	16.88	16.77	16.89	5.00	17.20		

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	40185	40620	41055	41490	MFR	Tune-up Limit	39750	40185	40620	41055	41490	MFR	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	21.17	20.83	21.50	21.28	21.07	0.00	21.75	21.74	21.61	21.93	21.64	21.42	0.00	22.20
		1	25	21.44	20.95	21.73	21.55	21.34	0.00	21.75	21.99	21.91	22.11	21.89	21.67	0.00	22.20
		1	49	21.47	20.76	21.37	21.21	21.00	0.00	21.75	22.05	21.74	21.76	21.59	21.35	0.00	22.20
		25	0	20.79	20.81	20.95	20.70	20.50	0.55	21.20	20.59	20.61	21.01	20.74	20.51	1.00	21.20
		25	12	20.82	20.88	21.01	20.77	20.57	0.55	21.20	20.66	20.65	21.07	20.77	20.58	1.00	21.20
		25	25	20.87	20.78	20.87	20.77	20.58	0.55	21.20	20.65	20.55	20.95	20.80	20.57	1.00	21.20
		50	0	20.69	20.77	20.89	20.67	20.49	0.55	21.20	20.53	20.50	20.98	20.70	20.48	1.00	21.20
		1	0	20.66	20.60	20.86	20.64	20.41	0.55	21.20	20.50	20.38	20.93	20.59	20.45	1.00	21.20
		1	25	20.82	20.80	20.98	20.79	20.59	0.55	21.20	20.64	20.57	21.01	20.74	20.59	1.00	21.20
		1	49	20.98	20.70	20.75	20.57	20.37	0.55	21.20	20.82	20.46	20.79	20.63	20.40	1.00	21.20
	16QAM	25	0	19.98	19.95	20.10	19.84	19.64	1.55	20.20	19.87	19.88	19.98	19.70	19.47	2.00	20.20
		25	12	19.97	20.03	20.12	19.88	19.70	1.55	20.20	19.85	19.95	20.02	19.76	19.53	2.00	20.20
		25	25	20.03	19.93	20.02	19.87	19.69	1.55	20.20	19.94	19.86	19.95	19.79	19.53	2.00	20.20
		50	0	19.92	19.94	20.03	19.85	19.67	1.55	20.20	19.77	19.78	19.97	19.64	19.46	2.00	20.20
		1	0	19.91	19.79	20.07	19.77	19.51	1.55	20.20	19.80	19.68	19.88	19.62	19.40	2.00	20.20
		1	25	20.06	19.97	20.08	19.88	19.76	1.55	20.20	19.98	19.98	20.02	19.75	19.61	2.00	20.20
		1	49	20.11	19.78	19.93	19.73	19.56	1.55	20.20	20.04	19.73	19.80	19.59	19.38	2.00	20.20
		25	0	18.97	19.01	18.90	18.69	18.49	2.55	19.20	18.85	18.93	18.99	18.79	18.53	3.00	19.20
		25	12	18.99	19.07	18.93	18.75	18.54	2.55	19.20	18.86	18.95	19.01	18.81	18.58	3.00	19.20
		25	25	19.05	18.84	18.83	18.68	18.50	2.55	19.20	18.94	18.79	18.93	18.71	18.53	3.00	19.20
	256QAM	50	0	18.94	18.87	18.90	18.63	18.47	2.55	19.20	18.83	18.80	19.01	18.71	18.50	3.00	19.20
		1	0	16.77	16.64	16.57	16.52	16.50	4.55	17.20	16.89	16.65	16.63	16.61	16.82	5.00	17.20
		1	25	16.62	16.57	16.61	16.80	16.65	4.55	17.20	16.83	16.65	16.79	16.76	16.89	5.00	17.20
		1	49	16.55	16.77	16.75	16.68	16.60	4.55	17.20	16.65	16.87	16.71	16.78	16.74	5.00	17.20
		25	0	16.77	16.75	16.55	16.78	16.74	4.55	17.20	16.62	16.72	16.78	16.70	16.65	5.00	17.20
		25	12	16.74	16.70	16.79	16.56	16.56	4.55	17.20	16.81	16.68	16.61	16.71	16.77	5.00	17.20
		25	25	16.75	16.52	16.66	16.79	16.78	4.55	17.20	16.85	16.73	16.73	16.71	16.81	5.00	17.20
		50	0	16.71	16.67	16.50	16.79	16.77	4.55	17.20	16.70	16.88	16.61	16.70	16.65	5.00	17.20
5 MHz	QPSK	1	0	21.31	20.96	21.71	21.21	21.29	0.00	21.75	21.96	22.08	22.08	21.91	21.67	0.00	22.20
		1	12	21.35	21.00	21.66	21.29	21.37	0.00	21.75	21.98	22.07	22.03	21.94	21.73	0.00	22.20
		1	24	21.37	21.02	21.62	21.24	21.32	0.00	21.75	21.96	21.94	22.04	21.90	21.70	0.00	22.20
		12	0	20.82	20.92	20.91	20.52	20.60	0.55	21.20	20.69	20.74	21.01	20.86	20.60	1.00	21.20
		12	7	20.82	20.92	20.98	20.54	20.62	0.55	21.20	20.67	20.77	21.00	20.85	20.61	1.00	21.20
		12	13	20.84	20.94	20.90	20.55	20.63	0.55	21.20	20.72	20.67	21.00	20.87	20.67	1.00	21.20
		25	0	20.81	20.91	20.92	20.47	20.55	0.55	21.20	20.63	20.64	20.95	20.83	20.58	1.00	21.20
	16QAM	1	0	20.68	20.78	21.08	20.55	20.63	0.55	21.20	20.57	20.79	21.06	20.89	20.69	1.00	21.20
		1	12	20.66	20.76	21.09	20.66	20.74	0.55	21.20	20.55	20.91	21.10	21.02	20.77	1.00	21.20
		1	24	20.74	20.84	21.02	20.59	20.67	0.55	21.20	20.60	20.74	21.04	20.92	20.70	1.00	21.20
		12	0	19.99	20.04	20.09	19.67	19.75	1.55	20.20	19.94	20.04	20.00	19.84	19.60	2.00	20.20
		12	7	20.02	20.07	20.08	19.65	19.73	1.55	20.20	19.94	20.07	20.00	19.88	19.62	2.00	20.20
		12	13	19.99	20.04	20.03	19.71	19.79	1.55	20.20	19.94	19.94	20.00	19.86	19.68	2.00	20.20
		25	0	19.93	19.98	20.05	19.57	19.65	1.55	20.20	19.86	19.90	19.98	19.73	19.55	2.00	20.20
	64QAM	1	0	19.88	19.93	20.01	19.67	19.75	1.55	20.20	20.00	20.03	20.04	19.85	19.62	2.00	20.20
		1	12	19.98	20.03	20.01	19.81	19.89	1.55	20.20	20.09	20.08	20.07	19.97	19.75	2.00	20.20
		1	24	20.07	20.12	20.14	19.66	19.74	1.55	20.20	20.07	19.90	20.01	19.83	19.61	2.00	20.20
		12	0	19.01	19.01	18.91	18.49	18.57	2.55	19.20	18.91	18.98	19.01	18.85	18.57	3.00	19.20
		12	7	19.04	19.04	18.88	18.48	18.56	2.55	19.20	18.91	19.00	19.01	18.87	18.64	3.00	19.20
		12	13	19.04	19.04	18.89	18.47	18.55	2.55	19.20	18.95	18.90	18.95	18.86	18.61	3.00	19.20
		25	0	18.99	18.99	18.86	18.42	18.50	2.55	19.20	18.84	18.85	18.93	18.76	18.56	3.00	19.20
	256QAM	1	0	16.80	16.65	16.71	16.77	16.73	4.55	17.20	16.71	16.65	16.73	16.87	16.65	5.00	17.20
		1	12	16.77	16.66	16.52	16.57	16.58	4.55	17.20	16.61	16.67	16.65	16.85	16.79	5.00	17.20
		1	24	16.51	16.70	16.67	16.55	16.70	4.55	17.20	16.86	16.85	16.85	16.70	16.69	5.00	17.20
		12	0	16.79	16.78	16.69	16.73	16.62	4.55	17.20	16.86	16.69	16.78	16.74	16.79	5.00	17.20
		12	7	16.53	16.65	16.60	16.61	16.70	4.55	17.20	16.78	16.64	16.71	16.70	16.79	5.00	17.20
		12	13	16.67	16.78	16.62	16.50	16.66	4.55	17.20	16.73	16.63	16.89	16.69	16.70	5.00	17.20
		25	0	16.76	16.68	16.55	16.51	16.80	4.55	17.20	16.88	16.86	16.62	16.70	16.70	5.00	17.20

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	24.71	3646.7 MHz	3690 MHz			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	24.71	25.08	24.65	24.67	0.00	25.20	22.30	22.26	21.90	21.95	0.00	22.50
		1	49	25.10	25.10	25.10	25.10	0.00	25.20	22.30	22.30	22.30	22.10	0.00	22.50
		1	99	24.72	24.71	24.67	24.55	0.00	25.20	21.97	21.99	21.92	21.81	0.00	22.50
		50	0	24.04	24.16	23.57	23.93	1.00	24.20	22.30	22.30	22.23	22.20	0.00	22.50
		50	24	24.20	24.20	24.20	24.20	1.00	24.20	22.40	22.40	22.40	22.20	0.00	22.50
		50	50	24.02	24.05	23.55	23.91	1.00	24.20	22.31	22.26	22.20	22.16	0.00	22.50
	16QAM	100	0	24.07	23.73	24.10	23.91	1.00	24.20	22.35	22.31	22.40	22.16	0.00	22.50
		1	0	23.90	24.09	23.41	23.85	1.00	24.20	22.16	22.08	22.03	22.06	0.00	22.50
		1	49	24.18	23.74	23.77	24.08	1.00	24.20	22.42	22.45	22.44	22.30	0.00	22.50
		1	99	23.91	23.31	23.43	23.73	1.00	24.20	22.16	22.10	22.08	21.93	0.00	22.50
		50	0	23.08	23.15	22.60	22.98	2.00	23.20	22.35	22.35	22.29	22.23	0.00	22.50
		50	24	23.11	22.99	22.75	23.05	2.00	23.20	22.47	22.42	22.42	22.31	0.00	22.50
	64QAM	50	50	23.05	23.05	22.58	22.94	2.00	23.20	22.30	22.24	22.26	22.20	0.00	22.50
		100	0	23.03	22.79	22.62	22.93	2.00	23.20	22.35	22.28	22.28	22.15	0.00	22.50
		1	0	22.81	23.17	23.15	22.78	2.00	23.20	22.06	21.99	21.98	21.97	0.00	22.50
		1	49	23.19	22.78	22.56	23.01	2.00	23.20	22.43	22.42	22.35	22.21	0.00	22.50
		1	99	22.81	22.79	22.75	22.61	2.00	23.20	22.05	22.05	21.99	21.83	0.00	22.50
		50	0	22.10	22.01	21.61	22.03	3.00	22.20	22.11	22.09	22.03	21.95	0.30	22.20
	256QAM	50	24	22.06	22.08	21.74	22.13	3.00	22.20	22.14	22.15	22.18	22.03	0.30	22.20
		50	50	22.08	22.11	21.58	21.99	3.00	22.20	22.09	22.08	22.02	21.93	0.30	22.20
		100	0	22.14	22.08	21.61	22.01	3.00	22.20	22.14	22.13	22.07	21.94	0.30	22.20
		1	0	19.58	19.77	19.78	19.77	5.00	20.20	19.56	19.55	19.67	19.64	2.30	20.20
		1	49	19.55	19.59	19.68	19.51	5.00	20.20	19.69	19.58	19.65	19.72	2.30	20.20
		1	99	19.62	19.58	19.71	19.61	5.00	20.20	19.72	19.53	19.75	19.75	2.30	20.20
15 MHz	QPSK	50	0	19.69	19.66	19.54	19.73	5.00	20.20	19.58	19.59	19.77	19.54	2.30	20.20
		50	24	19.78	19.63	19.69	19.63	5.00	20.20	19.57	19.61	19.60	19.78	2.30	20.20
		50	50	19.53	19.63	19.57	19.77	5.00	20.20	19.74	19.63	19.66	19.75	2.30	20.20
		100	0	19.78	19.58	19.57	19.75	5.00	20.20	19.68	19.53	19.80	19.50	2.30	20.20
	16QAM	1	0	24.70	24.76	24.76	24.74	0.00	25.20	22.34	22.34	22.07	22.06	0.00	22.50
		1	37	24.97	25.02	24.96	24.86	0.00	25.20	22.36	22.35	22.28	22.19	0.00	22.50
		1	74	24.84	24.89	24.77	24.73	0.00	25.20	22.16	22.18	22.10	21.99	0.00	22.50
		36	0	24.05	24.06	23.55	23.91	1.00	24.20	22.34	22.34	22.27	22.23	0.00	22.50
		36	20	24.16	24.19	23.65	23.97	1.00	24.20	22.44	22.46	22.39	22.29	0.00	22.50
		36	39	24.12	24.15	23.63	23.96	1.00	24.20	22.39	22.46	22.38	22.24	0.00	22.50
	64QAM	75	0	24.07	24.12	23.59	23.90	1.00	24.20	22.37	22.35	22.31	22.22	0.00	22.50
		1	0	23.89	23.97	23.47	23.87	1.00	24.20	22.28	22.29	22.21	22.18	0.00	22.50
		1	37	24.10	24.15	23.68	23.99	1.00	24.20	22.49	22.49	22.42	22.29	0.00	22.50
		1	74	23.94	23.98	23.51	23.79	1.00	24.20	22.30	22.27	22.24	22.12	0.00	22.50
		36	0	23.07	23.07	22.60	22.98	2.00	23.20	22.38	22.40	22.32	22.25	0.00	22.50
		36	20	23.15	23.17	22.73	22.99	2.00	23.20	22.45	22.50	22.43	22.30	0.00	22.50
	256QAM	36	39	23.12	23.17	22.70	22.95	2.00	23.20	22.44	22.45	22.39	22.26	0.00	22.50
		75	0	23.09	23.12	22.62	22.92	2.00	23.20	22.41	22.39	22.33	22.26	0.00	22.50
		1	0	22.73	22.73	22.25	22.63	2.00	23.20	22.03	22.13	21.94	21.93	0.00	22.50
		1	37	22.92	22.92	22.45	22.72	2.00	23.20	22.22	22.21	22.13	22.03	0.00	22.50
		1	74	22.75	22.80	22.28	22.52	2.00	23.20	22.12	22.03	21.93	21.85	0.00	22.50
		36	0	22.08	22.03	21.64	21.91	3.00	22.20	22.02	22.11	21.98	21.98	0.30	22.20
	64QAM	36	20	22.12	22.14	21.72	21.98	3.00	22.20	22.18	22.18	22.10	22.01	0.30	22.20
		36	39	22.10	22.13	21.69	21.95	3.00	22.20	22.14	22.15	22.07	21.95	0.30	22.20
		75	0	22.14	22.13	21.70	21.96	3.00	22.20	22.18	22.17	22.09	22.00	0.30	22.20
	256QAM	1	0	19.80	19.61	19.79	19.71	5.00	20.20	19.77	19.68	19.67	19.79	2.30	20.20
		1	37	19.69	19.77	19.58	19.61	5.00	20.20	19.79	19.76	19.72	19.58	2.30	20.20
		1	74	19.54	19.58	19.77	19.64	5.00	20.20	19.76	19.57	19.73	19.50	2.30	20.20
		36	0	19.56	19.64	19.63	19.60	5.00	20.20	19.64	19.76	19.74	19.74	2.30	20.20
	64QAM	36	20	19.68	19.78	19.51	19.76	5.00	20.20	19.57	19.74	19.80	19.71	2.30	20.20
		36	39	19.71	19.67	19.63	19.68	5.00	20.20	19.75	19.74	19.76	19.57	2.30	20.20
		75	0	19.75	19.55	19.56	19.58	5.00	20.20	19.51	19.50	19.53	19.68	2.30	20.20

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)						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	24.64	24.71	24.57	24.50	0.00	25.20	22.29	22.28	21.82	21.78	0.00	22.50
		1	25	24.93	24.98	24.93	24.83	0.00	25.20	22.27	22.25	22.20	22.12	0.00	22.50
		1	49	24.72	24.82	24.76	24.66	0.00	25.20	22.10	22.11	22.05	21.97	0.00	22.50
		25	0	23.91	23.98	23.48	23.83	1.00	24.20	22.25	22.21	22.17	22.08	0.00	22.50
		25	12	24.07	24.11	23.52	23.88	1.00	24.20	22.20	22.25	22.19	22.07	0.00	22.50
		25	25	24.06	24.12	23.61	23.91	1.00	24.20	22.40	22.39	22.33	22.22	0.00	22.50
	16QAM	50	0	23.95	24.06	23.55	23.88	1.00	24.20	22.31	22.32	22.24	22.18	0.00	22.50
		1	0	23.69	23.77	23.33	23.73	1.00	24.20	22.13	22.13	22.06	22.03	0.00	22.50
		1	25	24.02	24.07	23.63	23.95	1.00	24.20	22.35	22.34	22.28	22.21	0.00	22.50
		1	49	23.83	23.89	23.51	23.86	1.00	24.20	22.31	22.29	22.27	22.18	0.00	22.50
		25	0	22.92	22.95	22.52	22.83	2.00	23.20	22.34	22.33	22.26	22.19	0.00	22.50
		25	12	23.02	23.06	22.63	22.96	2.00	23.20	22.46	22.45	22.39	22.31	0.00	22.50
	64QAM	25	25	23.01	23.06	22.63	22.93	2.00	23.20	22.46	22.40	22.32	22.30	0.00	22.50
		50	0	22.97	23.01	22.60	22.88	2.00	23.20	22.38	22.38	22.34	22.23	0.00	22.50
		1	0	22.81	22.91	22.41	22.73	2.00	23.20	22.20	22.22	22.17	22.10	0.00	22.50
		1	25	22.96	23.11	22.74	22.96	2.00	23.20	22.44	22.34	22.31	22.20	0.00	22.50
		1	49	23.00	23.03	22.65	22.96	2.00	23.20	22.31	22.31	22.31	22.24	0.00	22.50
		25	0	21.90	21.93	21.48	21.81	3.00	22.20	21.97	21.95	21.89	21.84	0.30	22.20
	256QAM	25	12	21.98	22.03	21.59	21.88	3.00	22.20	22.10	22.08	21.98	21.91	0.30	22.20
		25	25	21.89	22.07	21.42	21.83	3.00	22.20	22.08	22.07	21.91	21.88	0.30	22.20
		50	0	21.85	22.08	21.44	21.83	3.00	22.20	22.05	22.04	21.85	21.90	0.30	22.20
		1	0	19.67	19.72	19.52	19.74	5.00	20.20	19.50	19.60	19.68	19.61	2.30	20.20
		1	25	19.62	19.62	19.64	19.67	5.00	20.20	19.56	19.53	19.57	19.58	2.30	20.20
		1	49	19.62	19.76	19.68	19.60	5.00	20.20	19.73	19.54	19.55	19.63	2.30	20.20
5 MHz	QPSK	25	0	19.65	19.59	19.79	19.79	5.00	20.20	19.59	19.65	19.73	19.52	2.30	20.20
		25	12	19.66	19.67	19.61	19.53	5.00	20.20	19.70	19.73	19.63	19.71	2.30	20.20
		25	25	19.64	19.66	19.76	19.51	5.00	20.20	19.71	19.79	19.58	19.63	2.30	20.20
		50	0	19.51	19.77	19.62	19.68	5.00	20.20	19.80	19.66	19.52	19.70	2.30	20.20
	16QAM	1	0	24.69	24.62	24.83	24.65	0.00	25.20	22.34	22.39	22.15	22.08	0.00	22.50
		1	12	24.82	24.79	24.94	24.82	0.00	25.20	22.33	22.25	22.29	22.20	0.00	22.50
		1	24	24.96	24.89	24.94	24.92	0.00	25.20	22.28	22.16	22.26	22.18	0.00	22.50
		12	0	24.06	24.00	23.57	24.03	1.00	24.20	22.40	22.35	22.32	22.19	0.00	22.50
		12	7	24.12	24.07	23.69	24.09	1.00	24.20	22.45	22.42	22.42	22.33	0.00	22.50
		12	13	24.18	24.14	23.72	24.17	1.00	24.20	22.49	22.50	22.39	22.26	0.00	22.50
	64QAM	25	0	23.88	23.83	23.62	23.86	1.00	24.20	22.38	22.43	22.36	22.26	0.00	22.50
		1	0	23.72	23.64	23.64	23.68	1.00	24.20	22.44	22.24	22.38	22.29	0.00	22.50
		1	12	23.87	23.82	23.79	23.87	1.00	24.20	22.27	22.12	22.35	22.25	0.00	22.50
		1	24	23.99	23.94	23.76	23.99	1.00	24.20	22.29	22.09	22.30	22.21	0.00	22.50
		12	0	22.88	22.82	22.67	22.97	2.00	23.20	22.13	22.03	22.27	22.17	0.00	22.50
		12	7	22.93	22.89	22.71	23.01	2.00	23.20	22.37	22.20	22.31	22.25	0.00	22.50
	256QAM	12	13	23.01	22.94	22.80	23.08	2.00	23.20	22.45	22.35	22.33	22.29	0.00	22.50
		25	0	22.93	22.86	22.67	22.90	2.00	23.20	22.26	22.28	22.23	22.13	0.00	22.50
		1	0	22.76	22.69	22.68	22.73	2.00	23.20	22.21	22.24	22.16	22.08	0.00	22.50
		1	12	22.98	22.89	22.79	22.88	2.00	23.20	22.37	22.38	22.31	22.22	0.00	22.50
		1	24	23.10	23.01	22.74	23.01	2.00	23.20	22.45	22.47	22.42	22.37	0.00	22.50
		12	0	22.03	21.98	21.59	21.96	3.00	22.20	21.93	22.09	22.04	21.93	0.30	22.20
5 MHz	64QAM	12	7	22.09	22.02	21.64	22.01	3.00	22.20	22.09	22.16	22.04	21.98	0.30	22.20
		12	13	22.14	22.09	21.64	22.10	3.00	22.20	22.16	22.09	22.07	21.98	0.30	22.20
		25	0	21.95	21.89	21.56	21.86	3.00	22.20	22.04	22.07	21.99	21.90	0.30	22.20
		1	0	19.60	19.55	19.52	19.56	5.00	20.20	19.61	19.65	19.69	19.64	2.30	20.20
		1	12	19.57	19.54	19.63	19.68	5.00	20.20	19.75	19.68	19.65	19.78	2.30	20.20
		1	24	19.66	19.57	19.64	19.65	5.00	20.20	19.51	19.74	19.54	19.59	2.30	20.20
	256QAM	12	0	19.68	19.72	19.66	19.77	5.00	20.20	19.71	19.78	19.60	19.73	2.30	20.20
		12	7	19.73	19.51	19.79	19.71	5.00	20.20	19.65	19.50	19.64	19.63	2.30	20.20
		12	13	19.78	19.58	19.50	19.57	5.00	20.20	19.72	19.57	19.67	19.64	2.30	20.20
		25	0	19.69	19.57	19.62	19.76	5.00	20.20	19.53	19.60	19.57	19.56	2.30	20.20

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	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	19.00	19.02	18.95	18.66	0.00	19.50	20.24	20.31	20.00	20.00	0.00	21.00
		1	49	19.50	19.50	19.50	19.50	0.00	19.50	20.60	20.44	21.00	20.23	0.00	21.00
		1	99	19.03	18.78	18.97	18.61	0.00	19.50	20.29	20.08	20.00	20.00	0.00	21.00
		50	0	19.17	19.12	19.22	18.75	0.00	19.50	20.81	20.81	20.76	20.43	0.00	21.00
		50	24	19.50	19.50	19.50	19.50	0.00	19.50	20.88	20.85	20.96	20.56	0.00	21.00
		50	50	19.17	19.00	19.33	18.80	0.00	19.50	20.80	20.70	20.88	20.48	0.00	21.00
		100	0	19.17	19.08	19.50	18.83	0.00	19.50	20.81	20.77	20.86	20.49	0.00	21.00
	16QAM	1	0	19.07	19.08	19.16	18.72	0.00	19.50	20.69	20.76	20.67	20.40	0.00	21.00
		1	49	19.38	19.22	19.50	19.01	0.00	19.50	20.97	20.92	20.95	20.67	0.00	21.00
		1	99	19.06	18.81	19.18	18.66	0.00	19.50	20.69	20.49	20.71	20.34	0.00	21.00
		50	0	19.12	19.06	18.98	18.69	0.00	19.50	20.55	20.53	20.49	20.15	0.30	20.70
		50	24	19.21	19.10	19.17	18.85	0.00	19.50	20.62	20.58	20.69	20.29	0.30	20.70
		50	50	19.09	18.95	19.08	18.74	0.00	19.50	20.53	20.45	20.59	20.20	0.30	20.70
		100	0	19.09	19.00	19.02	18.73	0.00	19.50	20.50	20.48	20.57	20.18	0.30	20.70
	64QAM	1	0	18.76	18.81	18.68	18.75	0.00	19.50	20.21	20.28	20.23	19.91	0.30	20.70
		1	49	19.13	19.00	19.12	18.77	0.00	19.50	20.55	20.47	20.63	20.23	0.30	20.70
		1	99	18.85	18.62	18.76	18.76	0.00	19.50	20.29	20.11	20.30	19.92	0.30	20.70
		50	0	18.50	18.50	18.50	18.50	0.00	19.50	19.57	19.56	19.52	19.17	1.30	19.70
		50	24	18.50	18.50	18.50	18.50	0.00	19.50	19.65	19.60	19.61	19.31	1.30	19.70
		50	50	18.50	18.50	18.50	18.50	0.00	19.50	19.56	19.47	19.63	19.25	1.30	19.70
		100	0	18.50	18.50	18.50	18.50	0.00	19.50	19.54	19.52	19.61	19.24	1.30	19.70
	256QAM	1	0	17.39	17.37	17.36	17.33	1.80	17.70	17.27	17.40	17.39	17.47	3.30	17.70
		1	49	17.41	17.22	17.45	17.49	1.80	17.70	17.46	17.31	17.21	17.46	3.30	17.70
		1	99	17.42	17.42	17.23	17.30	1.80	17.70	17.25	17.39	17.28	17.38	3.30	17.70
		50	0	17.25	17.24	17.27	17.35	1.80	17.70	17.41	17.43	17.40	17.30	3.30	17.70
		50	24	17.33	17.28	17.30	17.26	1.80	17.70	17.36	17.39	17.24	17.45	3.30	17.70
		50	50	17.48	17.28	17.37	17.33	1.80	17.70	17.48	17.26	17.32	17.39	3.30	17.70
		100	0	17.46	17.46	17.25	17.26	1.80	17.70	17.41	17.38	17.21	17.32	3.30	17.70
15 MHz	QPSK	1	0	19.03	19.08	19.08	18.75	0.00	19.50	20.59	20.69	20.11	20.36	0.00	21.00
		1	37	19.27	19.13	19.29	18.93	0.00	19.50	20.85	20.76	20.36	20.52	0.00	21.00
		1	74	19.12	18.95	19.15	18.79	0.00	19.50	20.71	20.59	20.18	20.38	0.00	21.00
		36	0	19.09	19.13	19.24	18.83	0.00	19.50	20.73	20.81	20.79	20.43	0.00	21.00
		36	20	19.24	19.18	19.30	18.80	0.00	19.50	20.91	20.82	20.88	20.48	0.00	21.00
		36	39	19.17	19.09	19.31	18.86	0.00	19.50	20.83	20.76	20.87	20.53	0.00	21.00
		75	0	19.14	19.06	19.23	18.74	0.00	19.50	20.80	20.76	20.79	20.42	0.00	21.00
	16QAM	1	0	19.04	19.08	19.27	18.78	0.00	19.50	20.67	20.75	20.78	20.43	0.00	21.00
		1	37	19.28	19.11	19.46	18.92	0.00	19.50	20.88	20.79	20.81	20.60	0.00	21.00
		1	74	19.09	18.91	19.30	18.74	0.00	19.50	20.74	20.57	20.81	20.41	0.00	21.00
		36	0	19.03	19.06	18.96	18.71	0.00	19.50	20.46	20.53	20.51	20.19	0.30	20.70
		36	20	19.16	19.07	19.04	18.78	0.00	19.50	20.61	20.54	20.60	20.25	0.30	20.70
		36	39	19.07	19.00	18.99	18.80	0.00	19.50	20.53	20.50	20.56	20.23	0.30	20.70
		75	0	19.07	19.00	18.97	18.68	0.00	19.50	20.53	20.49	20.53	20.13	0.30	20.70
	64QAM	1	0	18.63	18.69	18.62	18.73	0.00	19.50	20.05	20.18	20.17	19.79	0.30	20.70
		1	37	18.91	18.75	18.85	18.55	0.00	19.50	20.32	20.22	20.42	20.02	0.30	20.70
		1	74	18.76	18.59	18.72	18.64	0.00	19.50	20.21	20.05	20.27	19.89	0.30	20.70
		36	0	18.50	18.50	18.50	18.50	0.00	19.50	19.41	19.53	19.47	19.13	1.30	19.70
		36	20	18.50	18.50	18.50	18.50	0.00	19.50	19.57	19.53	19.56	19.20	1.30	19.70
		36	39	18.50	18.50	18.50	18.50	0.00	19.50	19.51	19.47	19.51	19.19	1.30	19.70
		75	0	18.50	18.50	18.50	18.50	0.00	19.50	19.55	19.53	19.61	19.17	1.30	19.70
	256QAM	1	0	17.49	17.43	17.47	17.33	1.80	17.70	17.30	17.45	17.30	17.39	3.30	17.70
		1	37	17.34	17.24	17.46	17.40	1.80	17.70	17.26	17.40	17.34	17.42	3.30	17.70
		1	74	17.20	17.23	17.29	17.37	1.80	17.70	17.39	17.48	17.28	17.21	3.30	17.70
		36	0	17.32	17.38	17.27	17.32	1.80	17.70	17.46	17.31	17.36	17.38	3.30	17.70
		36	20	17.24	17.37	17.25	17.33	1.80	17.70	17.31	17.36	17.22	17.33	3.30	17.70
		36	39	17.32	17.42	17.38	17.48	1.80	17.70	17.37	17.31	17.36	17.21	3.30	17.70
		75	0	17.24	17.40	17.32	17.31	1.80	17.70	17.48	17.35	17.20	17.44	3.30	17.70

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) (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	18.87	18.81	18.89	18.59	0.00	19.50	20.44	20.44	20.00	20.17	0.00	21.00
		1	25	19.22	19.16	19.22	18.93	0.00	19.50	20.78	20.79	20.33	20.52	0.00	21.00
		1	49	18.96	18.99	19.05	18.76	0.00	19.50	20.63	20.60	20.15	20.34	0.00	21.00
		25	0	19.14	19.04	19.12	18.73	0.00	19.50	20.71	20.71	20.71	20.32	0.00	21.00
		25	12	19.13	19.06	19.15	18.84	0.00	19.50	20.70	20.72	20.76	20.43	0.00	21.00
		25	25	19.22	19.18	19.34	18.92	0.00	19.50	20.82	20.83	20.96	20.57	0.00	21.00
		50	0	19.19	19.11	19.24	18.82	0.00	19.50	20.76	20.74	20.74	20.39	0.00	21.00
	16QAM	1	0	18.99	18.91	19.09	18.69	0.00	19.50	20.61	20.56	20.67	20.29	0.00	21.00
		1	25	19.18	19.13	19.33	18.90	0.00	19.50	20.81	20.78	20.87	20.61	0.00	21.00
		1	49	19.10	19.04	19.27	18.83	0.00	19.50	20.75	20.70	20.83	20.49	0.00	21.00
		25	0	19.06	18.97	18.93	18.65	0.00	19.50	20.40	20.33	20.45	20.13	0.30	20.70
		25	12	19.14	19.05	19.03	18.88	0.00	19.50	20.50	20.48	20.58	20.27	0.30	20.70
		25	25	19.15	19.10	19.13	18.86	0.00	19.50	20.52	20.53	20.66	20.28	0.30	20.70
		50	0	19.08	19.04	18.95	18.69	0.00	19.50	20.46	20.52	20.50	20.14	0.30	20.70
	64QAM	1	0	18.89	18.82	18.83	18.68	0.00	19.50	20.25	20.28	20.30	20.03	0.30	20.70
		1	25	18.98	18.97	19.02	18.82	0.00	19.50	20.50	20.65	20.63	20.29	0.30	20.70
		1	49	19.06	19.00	19.03	18.75	0.00	19.50	20.53	20.52	20.59	20.24	0.30	20.70
		25	0	18.50	18.50	18.50	18.50	0.00	19.50	19.39	19.40	19.43	19.03	1.30	19.70
		25	12	18.50	18.50	18.50	18.50	0.00	19.50	19.50	19.50	19.53	19.21	1.30	19.70
		25	25	18.50	18.50	18.50	18.50	0.00	19.50	19.38	19.34	19.46	19.24	1.30	19.70
		50	0	18.50	18.50	18.50	18.50	0.00	19.50	19.43	19.38	19.42	19.13	1.30	19.70
	256QAM	1	0	17.41	17.47	17.38	17.32	1.80	17.70	17.43	17.40	17.44	17.25	3.30	17.70
		1	25	17.30	17.41	17.27	17.39	1.80	17.70	17.39	17.45	17.24	17.30	3.30	17.70
		1	49	17.50	17.25	17.41	17.42	1.80	17.70	17.33	17.39	17.34	17.28	3.30	17.70
		25	0	17.25	17.27	17.45	17.48	1.80	17.70	17.35	17.24	17.27	17.24	3.30	17.70
		25	12	17.25	17.41	17.37	17.37	1.80	17.70	17.35	17.32	17.32	17.32	3.30	17.70
		25	25	17.39	17.30	17.30	17.32	1.80	17.70	17.43	17.23	17.38	17.44	3.30	17.70
		50	0	17.33	17.28	17.48	17.41	1.80	17.70	17.25	17.45	17.41	17.38	3.30	17.70
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	18.90	18.83	19.14	18.66	0.00	19.50	20.67	20.65	20.22	20.38	0.00	21.00
		1	12	19.04	19.01	19.32	18.83	0.00	19.50	20.85	20.82	20.38	20.52	0.00	21.00
		1	24	19.04	18.97	19.29	18.81	0.00	19.50	20.81	20.78	20.39	20.50	0.00	21.00
		12	0	19.10	19.09	19.26	18.90	0.00	19.50	20.62	20.67	20.91	20.50	0.00	21.00
		12	7	19.20	19.16	19.49	18.86	0.00	19.50	20.89	20.89	20.96	20.69	0.00	21.00
		12	13	19.14	19.18	19.40	18.82	0.00	19.50	20.91	20.93	20.97	20.60	0.00	21.00
		25	0	19.12	19.09	19.34	18.87	0.00	19.50	20.87	20.84	20.90	20.56	0.00	21.00
	16QAM	1	0	19.11	19.07	19.37	18.86	0.00	19.50	20.84	20.80	20.90	20.53	0.00	21.00
		1	12	19.31	19.25	19.48	19.03	0.00	19.50	20.91	20.99	20.98	20.69	0.00	21.00
		1	24	19.27	19.23	19.42	18.99	0.00	19.50	21.00	20.98	20.94	20.70	0.00	21.00
		12	0	18.84	18.87	18.90	18.66	0.00	19.50	20.58	20.59	20.36	20.31	0.30	20.70
		12	7	18.91	18.85	19.30	18.56	0.00	19.50	20.69	20.61	20.52	20.27	0.30	20.70
		12	13	19.01	18.85	19.29	18.64	0.00	19.50	20.70	20.68	20.52	20.37	0.30	20.70
		25	0	18.88	18.83	19.08	18.61	0.00	19.50	20.56	20.55	20.32	20.24	0.30	20.70
	64QAM	1	0	18.78	18.74	19.04	19.04	0.00	19.50	20.54	20.50	20.29	20.25	0.30	20.70
		1	12	19.00	18.96	19.24	18.52	0.00	19.50	20.56	20.68	20.47	20.43	0.30	20.70
		1	24	18.90	18.89	19.15	18.62	0.00	19.50	20.66	20.63	20.41	20.33	0.30	20.70
		12	0	18.50	18.50	18.50	18.50	0.00	19.50	19.44	19.47	19.24	19.14	1.30	19.70
		12	7	18.50	18.50	18.50	18.50	0.00	19.50	19.57	19.51	19.37	19.27	1.30	19.70
		12	13	18.50	18.50	18.50	18.52	0.00	19.50	19.56	19.51	19.37	19.14	1.30	19.70
		25	0	18.50	18.50	18.50	18.50	0.00	19.50	19.48	19.44	19.21	19.15	1.30	19.70
	256QAM	1	0	17.21	17.23	17.23	17.23	1.80	17.70	17.23	17.31	17.37	17.21	3.30	17.70
		1	12	17.43	17.43	17.38	17.20	1.80	17.70	17.34	17.34	17.40	17.36	3.30	17.70
		1	24	17.43	17.27	17.49	17.21	1.80	17.70	17.33	17.37	17.31	17.39	3.30	17.70
		12	0	17.39	17.31	17.48	17.32	1.80	17.70	17.35	17.41	17.42	17.27	3.30	17.70
		12	7	17.26	17.46	17.37	17.21	1.80	17.70	17.49	17.48	17.32	17.47	3.30	17.70
		12	13	17.31	17.41	17.32	17.33	1.80	17.70	17.26	17.40	17.43	17.22	3.30	17.70
		25	0	17.29	17.21	17.25	17.49	1.80	17.70	17.29	17.23	17.30	17.47	3.30	17.70

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 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	24.97	24.92	25.11	0.00	25.70	16.33	16.24	16.42	0.00	17.00
		1	49	25.19	25.20	25.20	0.00	25.70	17.00	17.00	17.00	0.00	17.00
		1	99	24.91	24.87	25.05	0.00	25.70	16.22	16.17	16.31	0.00	17.00
		50	0	24.34	24.23	24.20	1.00	24.70	16.58	16.49	16.40	0.00	17.00
		50	24	24.40	24.40	24.31	1.00	24.70	17.00	17.00	17.00	0.00	17.00
		50	50	24.29	24.23	24.21	1.00	24.70	16.51	16.47	16.38	0.00	17.00
	16QAM	100	0	24.33	24.28	24.17	1.00	24.70	16.56	17.00	16.37	0.00	17.00
		1	0	24.55	24.45	24.67	1.00	24.70	16.74	16.70	16.87	0.00	17.00
		1	49	24.63	24.61	24.65	1.00	24.70	16.98	16.94	16.87	0.00	17.00
		1	99	24.45	24.41	24.60	1.00	24.70	16.66	16.63	16.79	0.00	17.00
		50	0	23.30	23.23	23.16	2.00	23.70	16.55	16.48	16.41	0.00	17.00
		50	24	23.39	23.34	23.30	2.00	23.70	16.65	16.56	16.52	0.00	17.00
	64QAM	50	50	23.25	23.19	23.17	2.00	23.70	16.51	16.46	16.40	0.00	17.00
		100	0	23.32	23.27	23.14	2.00	23.70	16.60	16.52	16.36	0.00	17.00
		1	0	23.30	23.40	23.44	2.00	23.70	16.56	16.45	16.65	0.00	17.00
		1	49	23.56	23.50	23.48	2.00	23.70	16.82	16.72	16.68	0.00	17.00
		1	99	23.29	23.20	23.39	2.00	23.70	16.51	16.45	16.61	0.00	17.00
		50	0	22.37	22.27	22.23	3.00	22.70	16.63	16.52	16.49	0.00	17.00
	256QAM	50	24	22.46	22.35	22.35	3.00	22.70	16.71	16.63	16.58	0.00	17.00
		50	50	22.32	22.24	22.23	3.00	22.70	16.59	16.52	16.47	0.00	17.00
		100	0	22.37	22.29	22.19	3.00	22.70	16.63	16.54	16.41	0.00	17.00
		1	0	20.60	20.69	20.67	5.00	20.70	16.92	16.93	16.99	0.00	17.00
		1	49	20.63	20.67	20.63	5.00	20.70	16.91	16.93	16.95	0.00	17.00
		1	99	20.61	20.69	20.65	5.00	20.70	16.95	16.92	16.97	0.00	17.00
15 MHz	QPSK	50	0	20.61	20.70	20.63	5.00	20.70	16.96	16.93	16.98	0.00	17.00
		50	24	20.64	20.67	20.66	5.00	20.70	16.92	16.92	17.00	0.00	17.00
		50	50	20.68	20.63	20.62	5.00	20.70	16.98	16.98	16.91	0.00	17.00
		100	0	20.63	20.64	20.62	5.00	20.70	16.93	16.94	16.95	0.00	17.00
	16QAM	1	0	25.16	25.12	25.19	0.00	25.70	16.30	16.20	16.31	0.00	17.00
		1	37	25.23	25.17	25.15	0.00	25.70	16.37	16.28	16.25	0.00	17.00
		1	74	25.06	25.01	25.14	0.00	25.70	16.15	16.11	16.23	0.00	17.00
		36	0	24.35	24.30	24.25	1.00	24.70	16.38	16.30	16.28	0.00	17.00
		36	20	24.15	24.10	24.05	1.00	24.70	16.44	16.36	16.27	0.00	17.00
		36	39	24.21	24.17	24.09	1.00	24.70	16.37	16.30	16.30	0.00	17.00
	64QAM	75	0	24.16	24.09	24.08	1.00	24.70	16.37	16.30	16.25	0.00	17.00
		1	0	24.13	24.11	24.05	1.00	24.70	16.64	16.67	16.73	0.00	17.00
		1	37	24.47	24.58	24.44	1.00	24.70	16.76	16.75	16.65	0.00	17.00
		1	74	24.51	24.55	24.44	1.00	24.70	16.61	16.59	16.67	0.00	17.00
		36	0	23.46	23.32	23.44	2.00	23.70	16.36	16.28	16.27	0.00	17.00
		36	20	23.14	23.06	23.04	2.00	23.70	16.43	16.35	16.26	0.00	17.00
	256QAM	36	39	23.20	23.13	23.05	2.00	23.70	16.36	16.28	16.31	0.00	17.00
		75	0	23.12	23.07	23.07	2.00	23.70	16.38	16.29	16.26	0.00	17.00
		1	0	23.16	23.10	22.99	2.00	23.70	16.91	16.75	16.86	0.00	17.00
		1	37	23.60	23.56	23.60	2.00	23.70	16.94	16.89	16.87	0.00	17.00
		1	74	23.62	23.67	23.63	2.00	23.70	16.78	16.73	16.81	0.00	17.00
		36	0	22.58	22.49	22.63	3.00	22.70	16.43	16.35	16.30	0.00	17.00
15 MHz	64QAM	36	20	22.18	22.10	22.08	3.00	22.70	16.49	16.38	16.30	0.00	17.00
		36	39	22.24	22.15	22.07	3.00	22.70	16.41	16.35	16.31	0.00	17.00
		75	0	22.16	22.10	22.08	3.00	22.70	16.47	16.38	16.29	0.00	17.00
	256QAM	1	0	20.64	20.66	20.70	5.00	20.70	16.95	16.91	16.93	0.00	17.00
		1	37	20.65	20.63	20.67	5.00	20.70	16.95	16.96	16.96	0.00	17.00
		1	74	20.70	20.67	20.67	5.00	20.70	16.91	16.98	16.98	0.00	17.00
	16QAM	36	0	20.61	20.67	20.62	5.00	20.70	16.97	16.98	16.98	0.00	17.00
		36	20	20.64	20.69	20.66	5.00	20.70	16.93	16.94	16.96	0.00	17.00
		36	39	20.61	20.67	20.63	5.00	20.70	16.98	16.98	16.90	0.00	17.00
		75	0	20.67	20.64	20.65	5.00	20.70	16.92	16.99	16.98	0.00	17.00

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	24.90	24.92	24.80	0.00	25.70	16.46	16.23	16.27	0.00	17.00
		1	25	25.18	25.13	25.11	0.00	25.70	16.45	16.47	16.48	0.00	17.00
		1	49	24.91	24.87	24.90	0.00	25.70	16.37	16.45	16.46	0.00	17.00
		25	0	24.70	24.63	24.61	1.00	24.70	16.50	16.41	16.41	0.00	17.00
		25	12	24.43	24.36	24.27	1.00	24.70	16.53	16.54	16.50	0.00	17.00
		25	25	24.31	24.26	24.25	1.00	24.70	16.47	16.57	16.56	0.00	17.00
	16QAM	50	0	24.33	24.30	24.19	1.00	24.70	16.63	16.50	16.49	0.00	17.00
		1	0	24.17	24.09	24.05	1.00	24.70	16.87	16.71	16.69	0.00	17.00
		1	25	24.36	24.32	24.30	1.00	24.70	16.86	16.97	16.94	0.00	17.00
		1	49	24.14	24.09	24.08	1.00	24.70	16.35	16.94	16.93	0.00	17.00
		25	0	23.39	23.31	23.31	2.00	23.70	16.44	16.39	16.38	0.00	17.00
		25	12	23.50	23.46	23.35	2.00	23.70	16.51	16.51	16.47	0.00	17.00
	64QAM	25	25	23.39	23.35	23.34	2.00	23.70	16.45	16.54	16.53	0.00	17.00
		50	0	23.35	23.29	23.21	2.00	23.70	16.46	16.49	16.47	0.00	17.00
		1	0	23.29	23.20	23.32	2.00	23.70	16.72	16.47	16.47	0.00	17.00
		1	25	23.59	23.51	23.60	2.00	23.70	16.76	16.74	16.73	0.00	17.00
		1	49	23.31	23.32	23.41	2.00	23.70	16.48	16.76	16.73	0.00	17.00
		25	0	22.38	22.33	22.25	3.00	22.70	16.60	16.49	16.48	0.00	17.00
	256QAM	25	12	22.49	22.45	22.32	3.00	22.70	16.65	16.60	16.59	0.00	17.00
		25	25	22.41	22.36	22.31	3.00	22.70	16.56	16.63	16.61	0.00	17.00
		50	0	22.35	22.27	22.20	3.00	22.70	16.63	16.56	16.55	0.00	17.00
		1	0	20.63	20.64	20.69	5.00	20.70	16.98	16.94	16.94	0.00	17.00
		1	25	20.68	20.60	20.65	5.00	20.70	16.95	16.98	16.94	0.00	17.00
		1	49	20.65	20.64	20.69	5.00	20.70	16.90	16.94	16.94	0.00	17.00
5 MHz	QPSK	25	0	20.67	20.64	20.62	5.00	20.70	16.99	16.98	16.91	0.00	17.00
		25	12	20.64	20.62	20.68	5.00	20.70	16.93	16.97	16.95	0.00	17.00
		25	25	20.69	20.63	20.65	5.00	20.70	16.98	16.95	16.93	0.00	17.00
		50	0	20.68	20.61	20.69	5.00	20.70	16.97	16.99	16.94	0.00	17.00
	16QAM	1	0	25.25	25.21	25.21	0.00	25.70	16.52	16.38	16.48	0.00	17.00
		1	12	25.32	25.23	25.17	0.00	25.70	16.56	16.55	16.45	0.00	17.00
		1	24	25.22	25.15	25.14	0.00	25.70	16.52	16.53	16.39	0.00	17.00
		12	0	24.46	24.37	24.38	1.00	24.70	16.66	16.49	16.55	0.00	17.00
		12	7	24.49	24.40	24.34	1.00	24.70	16.65	16.49	16.52	0.00	17.00
		12	13	24.39	24.32	24.31	1.00	24.70	16.62	16.63	16.49	0.00	17.00
	64QAM	25	0	24.43	24.35	24.31	1.00	24.70	16.69	16.66	16.49	0.00	17.00
		1	0	24.52	24.49	24.46	1.00	24.70	16.73	16.59	16.61	0.00	17.00
		1	12	24.53	24.51	24.48	1.00	24.70	16.76	16.65	16.59	0.00	17.00
		1	24	24.48	24.43	24.38	1.00	24.70	16.70	16.60	16.53	0.00	17.00
		12	0	23.50	23.42	23.43	2.00	23.70	16.72	16.52	16.62	0.00	17.00
		12	7	23.52	23.42	23.43	2.00	23.70	16.73	16.53	16.61	0.00	17.00
	256QAM	12	13	23.43	23.37	23.35	2.00	23.70	16.67	16.73	16.51	0.00	17.00
		25	0	23.36	23.28	23.25	2.00	23.70	16.58	16.81	16.46	0.00	17.00
		1	0	23.65	23.57	23.59	2.00	23.70	16.89	16.74	16.77	0.00	17.00
		1	12	23.65	23.68	23.62	2.00	23.70	16.92	16.67	16.77	0.00	17.00
		1	24	23.64	23.58	23.51	2.00	23.70	16.84	16.64	16.70	0.00	17.00
		12	0	22.51	22.48	22.41	3.00	22.70	16.75	16.59	16.65	0.00	17.00
5 MHz	64QAM	12	7	22.55	22.45	22.41	3.00	22.70	16.75	16.57	16.64	0.00	17.00
		12	13	22.49	22.38	22.36	3.00	22.70	16.67	16.74	16.60	0.00	17.00
		25	0	22.46	22.34	22.31	3.00	22.70	16.67	16.67	16.54	0.00	17.00
	256QAM	1	0	20.67	20.66	20.63	5.00	20.70	16.96	16.90	16.96	0.00	17.00
		1	12	20.60	20.67	20.68	5.00	20.70	16.91	16.99	17.00	0.00	17.00
		1	24	20.61	20.66	20.62	5.00	20.70	16.98	16.91	16.95	0.00	17.00
		12	0	20.64	20.61	20.64	5.00	20.70	16.97	16.91	16.99	0.00	17.00
		12	7	20.61	20.62	20.68	5.00	20.70	16.91	16.93	16.97	0.00	17.00
		12	13	20.67	20.67	20.68	5.00	20.70	16.99	16.98	16.97	0.00	17.00
		25	0	20.61	20.69	20.64	5.00	20.70	16.97	16.98	16.92	0.00	17.00

LTE Band 66 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131987.00	132322.00	132657.00	MPR	Tune-up Limit	131987.00	132322.00	132657.00	MPR	Tune-up Limit
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	25.21	25.12	25.17	0.00	25.70	16.58	16.45	16.48	0.00	17.00
		1	8	25.19	25.07	25.08	0.00	25.70	16.54	16.41	16.37	0.00	17.00
		1	14	25.18	25.09	25.04	0.00	25.70	16.47	16.37	16.35	0.00	17.00
		8	0	24.45	24.34	24.32	1.00	24.70	16.69	16.60	16.56	0.00	17.00
		8	4	24.45	24.32	24.33	1.00	24.70	16.69	16.57	16.56	0.00	17.00
		8	7	24.41	24.30	24.32	1.00	24.70	16.69	16.54	16.52	0.00	17.00
	16QAM	15	0	24.41	24.34	24.30	1.00	24.70	16.65	16.55	16.62	0.00	17.00
		1	0	24.51	24.37	24.43	1.00	24.70	16.72	16.59	16.61	0.00	17.00
		1	8	24.40	24.33	24.30	1.00	24.70	16.64	16.54	16.51	0.00	17.00
		1	14	24.37	24.27	24.27	1.00	24.70	16.61	16.54	16.46	0.00	17.00
		8	0	23.49	23.39	23.38	2.00	23.70	16.77	16.61	16.61	0.00	17.00
		8	4	23.48	23.39	23.40	2.00	23.70	16.76	16.65	16.59	0.00	17.00
	64QAM	8	7	23.48	23.38	23.40	2.00	23.70	16.77	16.63	16.70	0.00	17.00
		15	0	23.38	23.28	23.27	2.00	23.70	16.67	16.52	16.53	0.00	17.00
		1	0	23.64	23.59	23.60	2.00	23.70	16.91	16.80	16.80	0.00	17.00
		1	8	23.66	23.62	23.47	2.00	23.70	16.85	16.77	16.79	0.00	17.00
		1	14	23.53	23.49	23.44	2.00	23.70	16.82	16.71	16.67	0.00	17.00
		8	0	22.41	22.33	22.31	3.00	22.70	16.67	16.60	16.55	0.00	17.00
	256QAM	8	4	22.39	22.34	22.31	3.00	22.70	16.67	16.57	16.58	0.00	17.00
		8	7	22.42	22.32	22.30	3.00	22.70	16.67	16.58	16.54	0.00	17.00
		15	0	22.47	22.35	22.35	3.00	22.70	16.75	16.63	16.62	0.00	17.00
		1	0	20.61	20.63	20.61	5.00	20.70	16.97	16.99	16.99	0.00	17.00
		1	8	20.68	20.67	20.64	5.00	20.70	16.96	16.93	16.92	0.00	17.00
		1	14	20.63	20.64	20.69	5.00	20.70	16.91	16.90	16.92	0.00	17.00
1.4 MHz	QPSK	8	0	20.65	20.67	20.68	5.00	20.70	16.96	17.00	16.95	0.00	17.00
		8	4	20.62	20.63	20.65	5.00	20.70	16.93	16.93	16.95	0.00	17.00
		8	7	20.68	20.68	20.68	5.00	20.70	16.95	16.95	16.96	0.00	17.00
		15	0	20.68	20.64	20.66	5.00	20.70	16.90	16.98	16.96	0.00	17.00
	16QAM	1	0	25.16	25.04	25.07	0.00	25.70	16.42	16.34	16.29	0.00	17.00
		1	3	25.22	25.12	25.14	0.00	25.70	16.47	16.37	16.33	0.00	17.00
		1	5	25.11	24.99	25.02	0.00	25.70	16.34	16.30	16.27	0.00	17.00
		3	0	25.12	25.03	25.10	0.00	25.70	16.38	16.27	16.32	0.00	17.00
		3	1	25.18	25.08	25.10	0.00	25.70	16.45	16.30	16.34	0.00	17.00
		3	3	25.19	25.09	25.09	0.00	25.70	16.42	16.31	16.32	0.00	17.00
	64QAM	6	0	24.33	24.24	24.21	1.00	24.70	16.52	16.36	16.36	0.00	17.00
		1	0	24.39	24.31	24.63	1.00	24.70	16.54	16.50	16.78	0.00	17.00
		1	3	24.42	24.32	24.66	1.00	24.70	16.56	16.56	16.77	0.00	17.00
		1	5	24.36	24.28	24.58	1.00	24.70	16.55	16.49	16.71	0.00	17.00
		3	0	24.52	24.43	24.42	1.00	24.70	16.70	16.46	16.55	0.00	17.00
		3	1	24.57	24.48	24.44	1.00	24.70	16.72	16.51	16.57	0.00	17.00
	256QAM	3	3	24.56	24.47	24.43	1.00	24.70	16.73	16.49	16.56	0.00	17.00
		6	0	23.51	23.41	23.13	2.00	23.70	16.70	16.53	16.27	0.00	17.00
		1	0	23.55	23.39	23.50	2.00	23.70	16.92	16.67	16.55	0.00	17.00
		1	3	23.55	23.48	23.52	2.00	23.70	16.97	16.68	16.60	0.00	17.00
		1	5	23.54	23.31	23.46	2.00	23.70	16.85	16.62	16.43	0.00	17.00
		3	0	23.31	23.37	23.21	2.00	23.70	16.84	16.44	16.54	0.00	17.00
1.4 MHz	64QAM	3	1	23.35	23.44	23.22	2.00	23.70	16.91	16.43	16.62	0.00	17.00
		3	3	23.33	23.42	23.21	2.00	23.70	16.89	16.41	16.53	0.00	17.00
		6	0	22.42	22.55	22.30	3.00	22.70	16.48	16.51	16.68	0.00	17.00
		1	0	20.60	20.66	20.67	5.00	20.70	16.99	16.92	16.99	0.00	17.00
		1	3	20.68	20.61	20.62	5.00	20.70	16.95	16.93	16.98	0.00	17.00
		1	5	20.68	20.62	20.61	5.00	20.70	17.00	16.96	16.93	0.00	17.00
	256QAM	3	0	20.66	20.67	20.65	5.00	20.70	16.95	16.91	17.00	0.00	17.00
		3	1	20.68	20.69	20.68	5.00	20.70	16.93	16.95	17.00	0.00	17.00
		3	3	20.65	20.67	20.68	5.00	20.70	16.90	16.94	16.98	0.00	17.00
		6	0	20.67	20.62	20.60	5.00	20.70	16.93	16.95	16.98	0.00	17.00

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	18.03	17.80	17.80	0.00	18.50	16.49	16.33	16.45	0.00	17.25
		1	49	18.20	17.80	17.80	0.00	18.50	17.00	16.70	16.70	0.00	17.25
		1	99	17.88	17.77	17.80	0.00	18.50	16.33	16.50	16.30	0.00	17.25
		50	0	18.23	17.80	17.80	0.00	18.50	16.69	16.53	16.38	0.00	17.25
		50	24	18.30	17.80	17.80	0.00	18.50	17.00	16.70	16.70	0.00	17.25
		50	50	18.15	17.80	17.80	0.00	18.50	16.62	16.49	16.35	0.00	17.25
	16QAM	100	0	17.80	17.80	17.80	0.00	18.50	16.68	16.70	16.32	0.00	17.25
		1	0	18.12	17.98	18.10	0.00	18.50	16.91	16.75	16.88	0.00	17.25
		1	49	18.11	18.10	18.04	0.00	18.50	17.12	16.97	16.81	0.00	17.25
		1	99	17.99	17.91	17.98	0.00	18.50	16.76	16.67	16.75	0.00	17.25
		50	0	17.90	17.77	17.61	0.00	18.50	16.67	16.52	16.39	0.00	17.25
		50	24	17.98	17.86	17.63	0.00	18.50	16.77	16.64	16.41	0.00	17.25
	64QAM	50	50	17.84	17.73	17.59	0.00	18.50	16.63	16.49	16.36	0.00	17.25
		100	0	17.92	17.80	17.60	0.00	18.50	16.72	16.56	16.35	0.00	17.25
		1	0	17.92	17.78	17.75	0.00	18.50	16.70	16.54	16.66	0.00	17.25
		1	49	18.15	18.00	17.93	0.00	18.50	16.91	16.79	16.57	0.00	17.25
		1	99	17.94	17.73	17.95	0.00	18.50	16.59	16.47	16.57	0.00	17.25
		50	0	17.97	17.85	17.75	0.00	18.50	16.76	16.60	16.44	0.00	17.25
	256QAM	50	24	18.07	17.91	17.80	0.00	18.50	16.82	16.69	16.46	0.00	17.25
		50	50	17.91	17.78	17.73	0.00	18.50	16.67	16.56	16.41	0.00	17.25
		100	0	17.96	17.86	17.66	0.00	18.50	16.74	16.60	16.40	0.00	17.25
		1	0	17.80	17.79	17.60	0.40	18.10	16.54	16.75	16.51	0.00	17.25
		1	49	17.58	17.75	17.78	0.40	18.10	16.79	16.69	16.71	0.00	17.25
		1	99	17.54	17.63	17.67	0.40	18.10	16.77	16.62	16.64	0.00	17.25
		50	0	17.54	17.73	17.56	0.40	18.10	16.63	16.77	16.64	0.00	17.25
		50	24	17.69	17.56	17.67	0.40	18.10	16.56	16.69	16.79	0.00	17.25
15 MHz	QPSK	50	50	17.72	17.67	17.78	0.40	18.10	16.56	16.80	16.59	0.00	17.25
		100	0	17.63	17.79	17.55	0.40	18.10	16.75	16.79	16.73	0.00	17.25
	16QAM	1	0	17.86	17.72	17.73	0.00	18.50	16.68	16.53	16.50	0.00	17.25
		1	37	17.89	17.74	17.65	0.00	18.50	16.72	16.56	16.44	0.00	17.25
		1	74	17.67	17.57	17.60	0.00	18.50	16.49	16.36	16.35	0.00	17.25
		36	0	17.91	17.78	17.66	0.00	18.50	16.73	16.58	16.46	0.00	17.25
	64QAM	36	20	17.98	17.83	17.67	0.00	18.50	16.77	16.62	16.44	0.00	17.25
		36	39	17.90	17.76	17.68	0.00	18.50	16.70	16.55	16.46	0.00	17.25
		75	0	17.91	17.78	17.63	0.00	18.50	16.74	16.57	16.40	0.00	17.25
		1	0	17.99	17.85	17.68	0.00	18.50	17.12	16.92	16.93	0.00	17.25
		1	37	18.04	17.82	17.71	0.00	18.50	17.11	16.97	16.88	0.00	17.25
		1	74	17.91	17.67	17.78	0.00	18.50	16.94	16.78	16.84	0.00	17.25
	256QAM	36	0	17.59	17.50	17.50	0.00	18.50	16.73	16.56	16.44	0.00	17.25
		36	20	17.64	17.51	17.50	0.00	18.50	16.79	16.62	16.42	0.00	17.25
		36	39	17.57	17.50	17.50	0.00	18.50	16.71	16.55	16.42	0.00	17.25
		75	0	17.61	17.50	17.50	0.00	18.50	16.76	16.59	16.41	0.00	17.25
		1	0	18.08	17.95	17.97	0.00	18.50	17.19	17.05	17.02	0.00	17.25
		1	37	18.19	17.98	17.93	0.00	18.50	17.11	17.15	17.00	0.00	17.25
	64QAM	1	74	17.99	17.85	17.89	0.00	18.50	17.11	16.97	17.01	0.00	17.25
		36	0	17.64	17.50	17.50	0.00	18.50	16.76	16.61	16.48	0.00	17.25
		36	20	17.70	17.55	17.50	0.00	18.50	16.81	16.66	16.47	0.00	17.25
		36	39	17.62	17.50	17.50	0.00	18.50	16.74	16.60	16.48	0.00	17.25
		75	0	17.68	17.53	17.50	0.00	18.50	16.82	16.66	16.44	0.00	17.25
		1	0	17.76	17.78	17.53	0.40	18.10	16.55	16.51	16.75	0.00	17.25
	256QAM	1	37	17.53	17.80	17.66	0.40	18.10	16.75	16.78	16.55	0.00	17.25
		1	74	17.51	17.60	17.79	0.40	18.10	16.50	16.60	16.70	0.00	17.25
		36	0	17.80	17.62	17.70	0.40	18.10	16.73	16.78	16.56	0.00	17.25
		36	20	17.67	17.64	17.54	0.40	18.10	16.78	16.77	16.58	0.00	17.25
		36	39	17.71	17.60	17.66	0.40	18.10	16.76	16.78	16.53	0.00	17.25
		75	0	17.59	17.51	17.72	0.40	18.10	16.60	16.59	16.71	0.00	17.25

LTE Band 66 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132022	132322	132622	MPR	Tune-up Limit	132022	132322	132622	MPR	Tune-up Limit
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	17.83	17.68	17.61	0.00	18.50	16.39	16.46	16.50	0.00	17.25
		1	25	18.11	17.94	17.82	0.00	18.50	16.68	16.52	16.39	0.00	17.25
		1	49	17.80	17.66	17.57	0.00	18.50	16.40	16.43	16.43	0.00	17.25
		25	0	18.14	17.97	17.84	0.00	18.50	16.69	16.52	16.40	0.00	17.25
		25	12	18.25	18.08	17.92	0.00	18.50	16.83	16.65	16.46	0.00	17.25
		25	25	18.13	17.98	17.87	0.00	18.50	16.70	16.54	16.43	0.00	17.25
	16QAM	50	0	18.16	18.01	17.82	0.00	18.50	16.73	16.57	16.38	0.00	17.25
		1	0	17.70	17.53	17.50	0.00	18.50	16.56	16.40	16.41	0.00	17.25
		1	25	17.91	17.73	17.63	0.00	18.50	16.74	16.57	16.48	0.00	17.25
		1	49	17.66	17.52	17.50	0.00	18.50	16.51	16.34	16.34	0.00	17.25
		25	0	17.97	17.79	17.65	0.00	18.50	16.79	16.63	16.48	0.00	17.25
		25	12	18.06	17.92	17.70	0.00	18.50	16.90	16.75	16.55	0.00	17.25
	64QAM	25	25	17.97	17.80	17.67	0.00	18.50	16.82	16.63	16.53	0.00	17.25
		50	0	17.92	17.75	17.55	0.00	18.50	16.80	16.60	16.38	0.00	17.25
		1	0	17.83	17.61	17.50	0.00	18.50	16.70	16.51	16.31	0.00	17.25
		1	25	18.15	17.92	17.83	0.00	18.50	16.97	16.90	16.74	0.00	17.25
		1	49	17.83	17.66	17.57	0.00	18.50	16.65	16.54	16.38	0.00	17.25
		25	0	17.93	17.76	17.62	0.00	18.50	16.79	16.62	16.45	0.00	17.25
	256QAM	25	12	18.04	17.88	17.68	0.00	18.50	16.92	16.73	16.51	0.00	17.25
		25	25	17.94	17.79	17.68	0.00	18.50	16.81	16.65	16.52	0.00	17.25
		50	0	17.91	17.71	17.55	0.00	18.50	16.74	16.58	16.35	0.00	17.25
		1	0	17.63	17.76	17.63	0.40	18.10	16.65	16.74	16.77	0.00	17.25
		1	25	17.80	17.71	17.79	0.40	18.10	16.69	16.69	16.76	0.00	17.25
		1	49	17.74	17.50	17.78	0.40	18.10	16.55	16.64	16.71	0.00	17.25
5 MHz	QPSK	25	0	17.59	17.57	17.70	0.40	18.10	16.79	16.59	16.73	0.00	17.25
		25	12	17.72	17.56	17.50	0.40	18.10	16.50	16.57	16.65	0.00	17.25
		25	25	17.65	17.76	17.72	0.40	18.10	16.57	16.78	16.80	0.00	17.25
		50	0	17.51	17.57	17.54	0.40	18.10	16.63	16.61	16.73	0.00	17.25
	16QAM	1	0	18.19	18.04	18.00	0.00	18.50	16.77	16.60	16.55	0.00	17.25
		1	12	18.21	18.00	17.95	0.00	18.50	16.75	16.58	16.50	0.00	17.25
		1	24	18.14	17.95	17.86	0.00	18.50	16.67	16.53	16.41	0.00	17.25
		12	0	18.26	18.13	18.02	0.00	18.50	16.81	16.68	16.59	0.00	17.25
		12	7	18.31	18.08	18.03	0.00	18.50	16.83	16.70	16.60	0.00	17.25
		12	13	18.21	18.03	17.94	0.00	18.50	16.80	16.57	16.49	0.00	17.25
	64QAM	25	0	18.26	18.05	18.00	0.00	18.50	16.81	16.65	16.50	0.00	17.25
		1	0	18.08	17.90	17.81	0.00	18.50	16.90	16.74	16.64	0.00	17.25
		1	12	18.10	17.86	17.86	0.00	18.50	16.90	16.74	16.64	0.00	17.25
		1	24	18.07	17.86	17.79	0.00	18.50	16.87	16.70	16.58	0.00	17.25
		12	0	18.03	17.90	17.77	0.00	18.50	16.87	16.76	16.61	0.00	17.25
		12	7	18.07	17.90	17.77	0.00	18.50	16.89	16.73	16.61	0.00	17.25
	256QAM	12	13	18.02	17.81	17.68	0.00	18.50	16.85	16.68	16.57	0.00	17.25
		25	0	17.96	17.74	17.65	0.00	18.50	16.76	16.63	16.49	0.00	17.25
		1	0	18.18	18.00	17.96	0.00	18.50	17.03	16.87	16.78	0.00	17.25
		1	12	18.10	18.02	17.95	0.00	18.50	17.08	16.90	16.80	0.00	17.25
		1	24	18.14	17.89	17.85	0.00	18.50	17.01	16.81	16.69	0.00	17.25
		12	0	18.03	17.90	17.78	0.00	18.50	16.88	16.77	16.65	0.00	17.25
5 MHz	64QAM	12	7	18.03	17.88	17.78	0.00	18.50	16.95	16.76	16.62	0.00	17.25
		12	13	18.01	17.80	17.71	0.00	18.50	16.83	16.66	16.56	0.00	17.25
		25	0	17.98	17.80	17.68	0.00	18.50	16.83	16.65	16.54	0.00	17.25
	256QAM	1	0	17.68	17.57	17.56	0.40	18.10	16.64	16.54	16.61	0.00	17.25
		1	12	17.55	17.63	17.77	0.40	18.10	16.71	16.67	16.52	0.00	17.25
		1	24	17.63	17.73	17.74	0.40	18.10	16.76	16.61	16.74	0.00	17.25
		12	0	17.64	17.55	17.67	0.40	18.10	16.57	16.59	16.58	0.00	17.25
		12	7	17.68	17.60	17.73	0.40	18.10	16.73	16.58	16.60	0.00	17.25
		12	13	17.68	17.56	17.51	0.40	18.10	16.73	16.80	16.68	0.00	17.25
		25	0	17.70	17.76	17.51	0.40	18.10	16.75	16.60	16.64	0.00	17.25

LTE Band 66 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131987	132322	132657	MPR	Tune-up Limit	131987	132322	132657	MPR	Tune-up Limit
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	18.06	17.89	17.84	0.00	18.50	16.75	16.58	16.47	0.00	17.25
		1	8	18.00	17.81	17.71	0.00	18.50	16.64	16.51	16.37	0.00	17.25
		1	14	18.00	17.80	17.69	0.00	18.50	16.62	16.49	16.33	0.00	17.25
		8	0	18.21	18.03	17.87	0.00	18.50	16.81	16.66	16.55	0.00	17.25
		8	4	18.16	17.99	17.88	0.00	18.50	16.84	16.66	16.52	0.00	17.25
		8	7	18.13	17.94	17.88	0.00	18.50	16.81	16.62	16.50	0.00	17.25
	16QAM	15	0	18.13	17.94	17.84	0.00	18.50	16.78	16.65	16.54	0.00	17.25
		1	0	17.94	17.72	17.65	0.00	18.50	16.84	16.69	16.63	0.00	17.25
		1	8	17.81	17.67	17.57	0.00	18.50	16.76	16.59	16.51	0.00	17.25
		1	14	17.79	17.65	17.51	0.00	18.50	16.77	16.58	16.47	0.00	17.25
		8	0	17.93	17.79	17.62	0.00	18.50	16.89	16.71	16.61	0.00	17.25
		8	4	17.93	17.75	17.64	0.00	18.50	16.90	16.73	16.58	0.00	17.25
	64QAM	8	7	17.90	17.74	17.63	0.00	18.50	16.86	16.72	16.60	0.00	17.25
		15	0	17.83	17.64	17.56	0.00	18.50	16.78	16.61	16.48	0.00	17.25
		1	0	18.09	17.87	17.87	0.00	18.50	17.06	16.88	16.80	0.00	17.25
		1	8	18.06	17.93	17.79	0.00	18.50	16.97	16.79	16.74	0.00	17.25
		1	14	18.00	17.78	17.69	0.00	18.50	16.92	16.77	16.67	0.00	17.25
		8	0	17.85	17.65	17.58	0.00	18.50	16.79	16.66	16.53	0.00	17.25
	256QAM	8	4	17.89	17.68	17.58	0.00	18.50	16.79	16.62	16.53	0.00	17.25
		8	7	17.84	17.69	17.57	0.00	18.50	16.83	16.65	16.51	0.00	17.25
		15	0	17.88	17.71	17.60	0.00	18.50	16.87	16.67	16.55	0.00	17.25
		1	0	17.61	17.69	17.75	0.40	18.10	16.66	16.67	16.67	0.00	17.25
		1	8	17.71	17.55	17.72	0.40	18.10	16.79	16.72	16.60	0.00	17.25
		1	14	17.58	17.69	17.71	0.40	18.10	16.77	16.57	16.58	0.00	17.25
		8	0	17.77	17.59	17.50	0.40	18.10	16.77	16.58	16.75	0.00	17.25
		8	4	17.52	17.57	17.67	0.40	18.10	16.51	16.62	16.64	0.00	17.25
		8	7	17.78	17.52	17.65	0.40	18.10	16.50	16.66	16.53	0.00	17.25
		15	0	17.79	17.77	17.71	0.40	18.10	16.55	16.67	16.74	0.00	17.25
1.4 MHz	QPSK	1	0	18.08	17.80	17.70	0.00	18.50	16.69	16.51	16.38	0.00	17.25
		1	3	18.12	17.86	17.75	0.00	18.50	16.76	16.54	16.42	0.00	17.25
		1	5	18.01	17.75	17.63	0.00	18.50	16.63	16.42	16.35	0.00	17.25
		3	0	17.98	17.78	17.67	0.00	18.50	16.69	16.46	16.38	0.00	17.25
		3	1	18.02	17.81	17.67	0.00	18.50	16.73	16.50	16.38	0.00	17.25
		3	3	18.03	17.82	17.67	0.00	18.50	16.71	16.50	16.37	0.00	17.25
	16QAM	6	0	18.09	17.87	17.74	0.00	18.50	16.72	16.53	16.38	0.00	17.25
		1	0	17.95	17.66	17.53	0.00	18.50	17.13	16.58	16.81	0.00	17.25
		1	3	18.01	17.69	17.55	0.00	18.50	17.14	16.59	16.90	0.00	17.25
		1	5	17.86	17.60	17.51	0.00	18.50	17.07	16.54	16.75	0.00	17.25
		3	0	17.85	17.78	17.67	0.00	18.50	16.91	16.78	16.61	0.00	17.25
		3	1	17.90	17.82	17.70	0.00	18.50	16.95	16.77	16.65	0.00	17.25
	64QAM	3	3	17.90	17.81	17.69	0.00	18.50	16.92	16.77	16.65	0.00	17.25
		6	0	17.91	17.74	17.66	0.00	18.50	16.68	16.72	16.32	0.00	17.25
		1	0	17.97	18.00	17.64	0.00	18.50	16.93	16.78	16.58	0.00	17.25
		1	3	17.99	18.05	17.67	0.00	18.50	16.93	16.79	16.63	0.00	17.25
		1	5	17.94	17.92	17.51	0.00	18.50	16.95	16.73	16.49	0.00	17.25
		3	0	17.74	17.92	17.61	0.00	18.50	16.71	16.51	16.59	0.00	17.25
	256QAM	3	1	17.79	17.95	17.66	0.00	18.50	16.73	16.60	16.63	0.00	17.25
		3	3	17.78	17.90	17.67	0.00	18.50	16.74	16.58	16.62	0.00	17.25
		6	0	17.85	17.54	17.77	0.00	18.50	16.82	16.64	16.74	0.00	17.25
		1	0	17.60	17.63	17.58	0.40	18.10	16.72	16.72	16.60	0.00	17.25
		1	3	17.53	17.75	17.55	0.40	18.10	16.56	16.59	16.57	0.00	17.25
		1	5	17.55	17.72	17.80	0.40	18.10	16.73	16.67	16.79	0.00	17.25
		3	0	17.73	17.74	17.76	0.40	18.10	16.53	16.80	16.66	0.00	17.25
		3	1	17.58	17.70	17.62	0.40	18.10	16.65	16.79	16.68	0.00	17.25
		3	3	17.61	17.69	17.80	0.40	18.10	16.54	16.80	16.64	0.00	17.25
		6	0	17.75	17.53	17.79	0.40	18.10	16.80	16.51	16.51	0.00	17.25

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	23.98	23.88	24.12	0.00	24.70	20.56	20.43	20.68	0.00	21.25
		1	49	24.19	24.20	24.20	0.00	24.70	21.25	21.25	21.25	0.00	21.25
		1	99	23.91	23.80	24.00	0.00	24.70	20.47	20.39	20.55	0.00	21.25
		50	0	23.31	23.17	23.06	1.00	23.70	20.88	20.77	20.62	0.00	21.25
		50	24	23.30	23.30	23.30	1.00	23.70	21.25	21.25	21.25	0.00	21.25
		50	50	23.19	23.08	23.08	1.00	23.70	20.77	20.66	20.62	0.00	21.25
	16QAM	100	0	23.24	23.20	23.03	1.00	23.70	20.82	21.25	20.60	0.00	21.25
		1	0	23.41	23.30	23.55	1.00	23.70	21.01	20.90	21.11	0.00	21.25
		1	49	23.64	23.56	23.51	1.00	23.70	21.24	21.12	21.08	0.00	21.25
		1	99	23.32	23.27	23.46	1.00	23.70	20.94	20.83	21.00	0.00	21.25
		50	0	22.28	22.14	22.04	2.00	22.70	20.86	20.75	20.63	0.00	21.25
		50	24	22.28	22.16	22.16	2.00	22.70	20.88	20.76	20.74	0.00	21.25
	64QAM	50	50	22.18	22.08	22.05	2.00	22.70	20.76	20.66	20.61	0.00	21.25
		100	0	22.24	22.14	22.04	2.00	22.70	20.83	20.72	20.60	0.00	21.25
		1	0	22.22	22.12	22.32	2.00	22.70	20.79	20.68	20.88	0.00	21.25
		1	49	22.48	22.36	22.33	2.00	22.70	21.01	20.92	20.91	0.00	21.25
		1	99	22.23	22.11	22.29	2.00	22.70	20.78	20.66	20.84	0.00	21.25
		50	0	21.36	21.24	21.13	3.00	21.70	20.63	20.48	20.37	0.00	21.25
	256QAM	50	24	21.38	21.26	21.21	3.00	21.70	20.65	20.53	20.49	0.00	21.25
		50	50	21.26	21.14	21.10	3.00	21.70	20.51	20.40	20.37	0.00	21.25
		100	0	21.28	21.17	21.06	3.00	21.70	20.54	20.45	20.36	0.00	21.25
		1	0	19.22	19.12	19.01	5.00	19.70	18.83	18.78	18.91	1.55	19.70
		1	49	19.08	19.09	19.22	5.00	19.70	18.73	18.82	18.80	1.55	19.70
		1	99	19.11	19.09	19.25	5.00	19.70	18.91	18.91	18.90	1.55	19.70
15 MHz	QPSK	50	0	19.12	19.04	19.12	5.00	19.70	18.87	18.88	19.00	1.55	19.70
		50	24	19.03	19.14	19.04	5.00	19.70	18.90	18.97	18.97	1.55	19.70
		50	50	19.18	19.03	19.22	5.00	19.70	18.92	18.86	18.75	1.55	19.70
		100	0	19.24	19.07	19.03	5.00	19.70	18.96	18.89	18.93	1.55	19.70
	16QAM	1	0	24.21	24.09	24.18	0.00	24.70	20.75	20.63	20.76	0.00	21.25
		1	37	24.26	24.15	24.13	0.00	24.70	20.80	20.67	20.67	0.00	21.25
		1	74	24.09	23.96	24.06	0.00	24.70	20.66	20.55	20.60	0.00	21.25
		36	0	23.35	23.24	23.12	1.00	23.70	20.91	20.80	20.69	0.00	21.25
		36	20	23.34	23.22	23.15	1.00	23.70	20.89	20.78	20.69	0.00	21.25
		36	39	23.28	23.16	23.16	1.00	23.70	20.84	20.72	20.70	0.00	21.25
	64QAM	75	0	23.28	23.16	23.11	1.00	23.70	20.83	20.72	20.64	0.00	21.25
		1	0	23.55	23.61	23.61	1.00	23.70	21.18	21.16	21.23	0.00	21.25
		1	37	23.65	23.54	23.56	1.00	23.70	21.23	21.14	21.22	0.00	21.25
		1	74	23.58	23.38	23.60	1.00	23.70	21.19	20.99	21.13	0.00	21.25
		36	0	22.32	22.21	22.12	2.00	22.70	20.92	20.78	20.67	0.00	21.25
		36	20	22.31	22.20	22.08	2.00	22.70	20.89	20.78	20.69	0.00	21.25
	256QAM	36	39	22.26	22.15	22.14	2.00	22.70	20.84	20.73	20.70	0.00	21.25
		75	0	22.28	22.19	22.07	2.00	22.70	20.88	20.73	20.64	0.00	21.25
		1	0	22.48	22.38	22.53	2.00	22.70	21.03	20.93	21.06	0.00	21.25
		1	37	22.60	22.50	22.58	2.00	22.70	21.14	21.04	21.12	0.00	21.25
		1	74	22.50	22.34	22.54	2.00	22.70	21.00	20.85	21.12	0.00	21.25
		36	0	21.39	21.25	21.14	3.00	21.70	20.64	20.51	20.41	0.00	21.25
15 MHz	64QAM	36	20	21.39	21.24	21.15	3.00	21.70	20.63	20.50	20.41	0.00	21.25
		36	39	21.31	21.17	21.14	3.00	21.70	20.56	20.44	20.42	0.00	21.25
		75	0	21.37	21.22	21.13	3.00	21.70	20.63	20.47	20.40	0.00	21.25
	256QAM	1	0	19.16	19.13	19.18	5.00	19.70	18.86	18.98	18.77	1.55	19.70
		1	37	19.20	19.14	19.02	5.00	19.70	18.72	18.82	18.80	1.55	19.70
		1	74	19.23	19.11	19.13	5.00	19.70	18.82	19.00	18.97	1.55	19.70
	256QAM	36	0	19.19	19.01	19.17	5.00	19.70	18.86	18.97	18.85	1.55	19.70
		36	20	19.02	19.07	19.13	5.00	19.70	18.87	18.87	18.77	1.55	19.70
		36	39	19.24	19.29	19.15	5.00	19.70	18.80	18.86	18.84	1.55	19.70
		75	0	19.24	19.15	19.23	5.00	19.70	18.72	18.99	18.72	1.55	19.70

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	23.96	23.81	23.83	0.00	24.70	20.48	20.40	20.37	0.00	21.25
		1	25	24.22	24.10	24.07	0.00	24.70	20.73	20.67	20.67	0.00	21.25
		1	49	23.94	23.82	23.85	0.00	24.70	20.51	20.40	20.42	0.00	21.25
		25	0	23.29	23.20	23.07	1.00	23.70	20.86	20.76	20.65	0.00	21.25
		25	12	23.34	23.25	23.12	1.00	23.70	20.93	20.83	20.74	0.00	21.25
		25	25	23.26	23.13	23.11	1.00	23.70	20.82	20.72	20.68	0.00	21.25
	16QAM	50	0	23.26	23.18	23.07	1.00	23.70	20.83	20.74	20.63	0.00	21.25
		1	0	23.08	22.96	22.95	1.00	23.70	20.59	20.52	20.47	0.00	21.25
		1	25	23.30	23.19	23.15	1.00	23.70	20.83	20.74	20.69	0.00	21.25
		1	49	23.08	22.98	22.95	1.00	23.70	20.63	20.53	20.55	0.00	21.25
		25	0	22.37	22.29	22.20	2.00	22.70	20.95	20.86	20.73	0.00	21.25
		25	12	22.43	22.33	22.24	2.00	22.70	20.99	20.90	20.81	0.00	21.25
	64QAM	25	25	22.35	22.24	22.22	2.00	22.70	20.89	20.81	20.76	0.00	21.25
		50	0	22.28	22.20	22.11	2.00	22.70	20.85	20.75	20.65	0.00	21.25
		1	0	22.22	22.11	22.04	2.00	22.70	20.75	20.61	20.55	0.00	21.25
		1	25	22.48	22.41	22.35	2.00	22.70	21.04	20.96	20.86	0.00	21.25
		1	49	22.20	22.16	22.06	2.00	22.70	20.76	20.70	20.58	0.00	21.25
		25	0	21.39	21.29	21.16	3.00	21.70	20.62	20.53	20.44	0.00	21.25
	256QAM	25	12	21.42	21.34	21.25	3.00	21.70	20.68	20.61	20.48	0.00	21.25
		25	25	21.35	21.25	21.24	3.00	21.70	20.60	20.51	20.49	0.00	21.25
		50	0	21.28	21.18	21.11	3.00	21.70	20.55	20.44	20.32	0.00	21.25
		1	0	19.02	19.10	19.13	5.00	19.70	18.94	18.79	18.88	1.55	19.70
		1	25	19.13	19.23	19.18	5.00	19.70	18.96	18.73	18.70	1.55	19.70
		1	49	19.12	19.12	19.08	5.00	19.70	18.78	18.89	19.00	1.55	19.70
5 MHz	QPSK	25	0	19.21	19.26	19.17	5.00	19.70	18.96	18.97	18.94	1.55	19.70
		25	12	19.29	19.18	19.10	5.00	19.70	18.78	18.98	18.76	1.55	19.70
		25	25	19.29	19.13	19.28	5.00	19.70	18.91	18.78	19.00	1.55	19.70
		50	0	19.28	19.03	19.23	5.00	19.70	18.80	18.81	18.78	1.55	19.70
	16QAM	1	0	24.35	24.25	24.21	0.00	24.70	20.90	20.84	20.83	0.00	21.25
		1	12	24.32	24.22	24.18	0.00	24.70	20.88	20.81	20.78	0.00	21.25
		1	24	24.27	24.16	24.12	0.00	24.70	20.82	20.70	20.70	0.00	21.25
		12	0	23.39	23.28	23.25	1.00	23.70	20.98	20.86	20.84	0.00	21.25
		12	7	23.40	23.29	23.24	1.00	23.70	20.98	20.85	20.86	0.00	21.25
		12	13	23.32	23.18	23.14	1.00	23.70	20.91	20.77	20.76	0.00	21.25
	64QAM	25	0	23.35	23.21	23.20	1.00	23.70	20.93	20.81	20.76	0.00	21.25
		1	0	23.49	23.41	23.34	1.00	23.70	21.03	20.97	20.95	0.00	21.25
		1	12	23.43	23.34	23.31	1.00	23.70	20.98	20.94	20.99	0.00	21.25
		1	24	23.44	23.29	23.23	1.00	23.70	20.95	20.88	20.87	0.00	21.25
		12	0	22.42	22.34	22.30	2.00	22.70	21.01	20.89	20.83	0.00	21.25
		12	7	22.45	22.29	22.30	2.00	22.70	21.00	20.88	20.82	0.00	21.25
	256QAM	12	13	22.37	22.25	22.21	2.00	22.70	20.94	20.81	20.77	0.00	21.25
		25	0	22.28	22.20	22.12	2.00	22.70	20.87	20.76	20.69	0.00	21.25
		1	0	22.68	22.55	22.51	2.00	22.70	21.16	20.72	21.04	0.00	21.25
		1	12	22.63	22.53	22.48	2.00	22.70	21.14	20.70	21.12	0.00	21.25
		1	24	22.58	22.45	22.39	2.00	22.70	21.10	20.63	20.96	0.00	21.25
		12	0	21.49	21.33	21.31	3.00	21.70	20.67	20.56	20.57	0.00	21.25
5 MHz	64QAM	12	7	21.47	21.37	21.33	3.00	21.70	20.71	20.55	20.60	0.00	21.25
		12	13	21.43	21.25	21.21	3.00	21.70	20.63	20.50	20.51	0.00	21.25
		25	0	21.38	21.25	21.22	3.00	21.70	20.63	20.48	20.45	0.00	21.25
	256QAM	1	0	19.19	19.09	19.22	5.00	19.70	18.92	18.91	18.84	1.55	19.70
		1	12	19.02	19.27	19.03	5.00	19.70	18.94	18.87	18.85	1.55	19.70
		1	24	19.17	19.16	19.28	5.00	19.70	18.84	18.75	18.83	1.55	19.70
		12	0	19.28	19.02	19.09	5.00	19.70	18.78	18.77	18.76	1.55	19.70
		12	7	19.13	19.16	19.21	5.00	19.70	18.82	18.86	18.95	1.55	19.70
		12	13	19.29	19.01	19.22	5.00	19.70	18.79	18.71	18.94	1.55	19.70
		25	0	19.21	19.03	19.04	5.00	19.70	18.88	18.82	18.92	1.55	19.70

LTE Band 66 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131987.00	132322.00	132657.00	MPR	Tune-up Limit	131987.00	132322.00	132657.00	MPR	Tune-up Limit
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	24.30	24.23	24.18	0.00	24.70	20.76	20.38	20.53	0.00	21.25
		1	8	24.20	24.12	24.07	0.00	24.70	20.52	20.49	20.63	0.00	21.25
		1	14	24.20	24.11	24.05	0.00	24.70	20.80	20.75	20.85	0.00	21.25
		8	0	23.36	23.28	23.25	1.00	23.70	20.51	20.50	20.54	0.00	21.25
		8	4	23.33	23.27	23.23	1.00	23.70	20.60	20.59	20.62	0.00	21.25
		8	7	23.34	23.24	23.22	1.00	23.70	20.68	20.69	20.71	0.00	21.25
	16QAM	15	0	23.33	23.25	23.20	1.00	23.70	20.72	20.70	20.73	0.00	21.25
		1	0	23.44	23.36	23.28	1.00	23.70	20.53	20.54	20.50	0.00	21.25
		1	8	23.33	23.22	23.16	1.00	23.70	20.60	20.61	20.55	0.00	21.25
		1	14	23.31	23.20	23.17	1.00	23.70	20.85	20.86	20.82	0.00	21.25
		8	0	22.41	22.29	22.29	2.00	22.70	20.64	20.63	20.66	0.00	21.25
		8	4	22.40	22.31	22.26	2.00	22.70	20.70	20.71	20.75	0.00	21.25
	64QAM	8	7	22.40	22.33	22.26	2.00	22.70	20.78	20.78	20.83	0.00	21.25
		15	0	22.30	22.17	22.15	2.00	22.70	20.65	20.67	20.74	0.00	21.25
		1	0	22.67	22.52	22.58	2.00	22.70	20.63	20.61	20.63	0.00	21.25
		1	8	22.66	22.48	22.56	2.00	22.70	20.72	20.72	20.71	0.00	21.25
		1	14	22.51	22.36	22.46	2.00	22.70	21.05	21.07	21.07	0.00	21.25
		8	0	21.38	21.22	21.32	3.00	21.70	20.54	20.51	20.52	0.00	21.25
	256QAM	8	4	21.38	21.24	21.35	3.00	21.70	20.60	20.65	20.63	0.00	21.25
		8	7	21.33	21.24	21.32	3.00	21.70	20.69	20.72	20.71	0.00	21.25
		15	0	21.39	21.28	21.23	3.00	21.70	20.47	20.43	20.47	0.00	21.25
		1	0	19.03	19.15	19.30	5.00	19.70	18.96	18.81	18.87	1.55	19.70
		1	8	19.23	19.30	19.07	5.00	19.70	18.94	18.93	18.71	1.55	19.70
		1	14	19.18	19.07	19.18	5.00	19.70	18.97	18.98	18.98	1.55	19.70
		8	0	19.14	19.27	19.00	5.00	19.70	18.71	18.76	18.80	1.55	19.70
		8	4	19.13	19.20	19.12	5.00	19.70	18.81	18.85	18.87	1.55	19.70
		8	7	19.09	19.24	19.14	5.00	19.70	18.76	18.85	18.90	1.55	19.70
		15	0	19.14	19.11	19.14	5.00	19.70	18.81	18.99	18.90	1.55	19.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131979.00	132322.00	132665.00	MPR	Tune-up Limit	131979.00	132322.00	132665.00	MPR	Tune-up Limit
				1710.7 MHz	1745 MHz	1779.3 MHz			1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	24.27	24.13	24.04	0.00	24.70	20.77	20.64	20.69	0.00	21.25
		1	3	24.29	24.18	24.12	0.00	24.70	20.84	20.69	20.70	0.00	21.25
		1	5	24.22	24.09	23.96	0.00	24.70	20.73	20.59	20.61	0.00	21.25
		3	0	23.76	23.93	23.93	0.00	24.70	20.76	20.63	20.58	0.00	21.25
		3	1	23.78	23.98	23.97	0.00	24.70	20.79	20.70	20.64	0.00	21.25
		3	3	23.76	23.95	23.95	0.00	24.70	20.77	20.65	20.62	0.00	21.25
	16QAM	6	0	23.27	23.15	23.12	1.00	23.70	20.84	20.71	20.67	0.00	21.25
		1	0	23.69	23.60	23.17	1.00	23.70	20.85	20.74	20.75	0.00	21.25
		1	3	23.61	23.61	23.22	1.00	23.70	20.88	20.77	20.82	0.00	21.25
		1	5	23.62	23.51	23.14	1.00	23.70	20.84	20.70	20.73	0.00	21.25
		3	0	23.46	23.35	23.31	1.00	23.70	21.01	20.87	20.68	0.00	21.25
		3	1	23.51	23.40	23.37	1.00	23.70	21.05	20.91	20.71	0.00	21.25
	64QAM	3	3	23.48	23.39	23.34	1.00	23.70	21.03	20.92	20.73	0.00	21.25
		6	0	22.21	22.06	22.30	2.00	22.70	20.98	20.87	20.82	0.00	21.25
		1	0	22.44	22.32	22.30	2.00	22.70	21.02	20.92	20.95	0.00	21.25
		1	3	22.52	22.38	22.34	2.00	22.70	21.08	20.96	20.95	0.00	21.25
		1	5	22.36	22.27	22.19	2.00	22.70	21.02	20.89	20.92	0.00	21.25
		3	0	22.43	22.33	22.28	2.00	22.70	20.79	20.70	20.64	0.00	21.25
	256QAM	3	1	22.49	22.40	22.30	2.00	22.70	20.84	20.72	20.69	0.00	21.25
		3	3	22.46	22.38	22.31	2.00	22.70	20.85	20.71	20.70	0.00	21.25
		6	0	21.57	21.53	21.42	3.00	21.70	20.66	20.50	20.48	0.00	21.25
		1	0	19.17	19.19	19.20	5.00	19.70	18.93	18.87	18.79	1.55	19.70
		1	3	19.25	19.06	19.08	5.00	19.70	18.87	18.97	18.90	1.55	19.70
		1	5	19.02	19.06	19.16	5.00	19.70	18.72	18.80	18.89	1.55	19.70
		3	0	19.08	19.12	19.15	5.00	19.70	18.99	18.81	18.77	1.55	19.70
		3	1	19.13	19.09	19.24	5.00	19.70	18.75	18.72	18.89	1.55	19.70
		3	3	19.23	19.13	19.25	5.00	19.70	18.84	18.72	18.73	1.55	19.70
		6	0	19.00	19.07	19.12	5.00	19.70	18.76	18.73	18.76	1.55	19.70

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	19.66	19.42	19.68	0.00	20.00	20.64	20.40	20.67	0.00	21.00
		1	49	19.80	19.80	19.80	0.00	20.00	21.00	21.00	21.00	0.00	21.00
		1	99	19.48	19.36	19.55	0.00	20.00	20.49	20.34	20.55	0.00	21.00
		50	0	19.60	19.40	19.29	0.00	20.00	20.62	20.40	20.30	0.00	21.00
		50	24	19.80	19.75	19.75	0.00	20.00	21.00	21.00	21.00	0.00	21.00
	16QAM	50	50	19.45	19.30	19.32	0.00	20.00	20.49	20.30	20.31	0.00	21.00
		100	0	19.53	19.75	19.27	0.00	20.00	20.57	21.00	20.28	0.00	21.00
		1	0	19.77	19.56	19.77	0.00	20.00	20.78	20.57	20.77	0.00	21.00
		1	49	19.95	19.76	19.74	0.00	20.00	20.97	20.77	20.76	0.00	21.00
		1	99	19.62	19.48	19.71	0.00	20.00	20.65	20.48	20.71	0.00	21.00
	64QAM	50	0	19.73	19.54	19.43	0.00	20.00	20.10	19.88	19.77	0.30	20.70
		50	24	19.74	19.57	19.48	0.00	20.00	20.11	19.90	19.83	0.30	20.70
		50	50	19.60	19.46	19.46	0.00	20.00	19.98	19.80	19.80	0.30	20.70
		100	0	19.69	19.52	19.42	0.00	20.00	20.06	19.86	19.77	0.30	20.70
		1	0	19.71	19.49	19.70	0.00	20.00	20.07	19.86	20.06	0.30	20.70
	256QAM	1	49	19.94	19.74	19.75	0.00	20.00	20.29	20.09	20.10	0.30	20.70
		1	99	19.61	19.49	19.70	0.00	20.00	19.99	19.82	20.02	0.30	20.70
		50	0	19.61	19.42	19.32	0.30	19.70	19.18	18.98	18.84	1.30	19.70
		50	24	19.64	19.43	19.36	0.30	19.70	19.20	18.99	18.90	1.30	19.70
		50	50	19.49	19.30	19.32	0.30	19.70	19.06	18.87	18.87	1.30	19.70
15 MHz	QPSK	100	0	19.55	19.34	19.29	0.30	19.70	19.10	18.90	18.81	1.30	19.70
		1	0	17.16	17.02	17.10	2.30	17.70	16.92	17.17	16.91	3.30	17.70
		1	49	17.09	17.11	16.95	2.30	17.70	17.02	17.10	17.11	3.30	17.70
		1	99	17.03	17.05	17.19	2.30	17.70	16.94	17.02	16.97	3.30	17.70
		50	0	17.00	17.17	16.92	2.30	17.70	16.95	17.10	17.15	3.30	17.70
	16QAM	50	24	17.06	16.99	17.07	2.30	17.70	17.16	16.96	17.09	3.30	17.70
		50	50	16.98	17.08	17.19	2.30	17.70	17.05	17.20	17.13	3.30	17.70
		100	0	16.98	17.08	17.10	2.30	17.70	16.93	17.04	16.92	3.30	17.70
	64QAM	1	0	19.84	19.62	19.73	0.00	20.00	20.84	20.59	20.73	0.00	21.00
		1	37	19.87	19.66	19.68	0.00	20.00	20.87	20.66	20.67	0.00	21.00
		1	74	19.66	19.49	19.63	0.00	20.00	20.65	20.50	20.61	0.00	21.00
		36	0	19.66	19.44	19.37	0.00	20.00	20.67	20.45	20.38	0.00	21.00
		36	20	19.65	19.42	19.43	0.00	20.00	20.64	20.44	20.44	0.00	21.00
	256QAM	36	39	19.57	19.36	19.37	0.00	20.00	20.57	20.36	20.38	0.00	21.00
		75	0	19.59	19.35	19.32	0.00	20.00	20.57	20.38	20.32	0.00	21.00
	16QAM	1	0	19.95	19.76	19.68	0.00	20.00	20.96	20.78	20.78	0.00	21.00
		1	37	20.00	19.75	19.75	0.00	20.00	21.00	20.77	20.75	0.00	21.00
		1	74	19.82	19.60	19.80	0.00	20.00	20.81	20.63	20.82	0.00	21.00
	64QAM	36	0	19.80	19.58	19.47	0.00	20.00	20.13	19.93	19.84	0.30	20.70
		36	20	19.75	19.55	19.56	0.00	20.00	20.13	19.91	19.93	0.30	20.70
		36	39	19.69	19.49	19.51	0.00	20.00	20.05	19.85	19.88	0.30	20.70
		75	0	19.75	19.53	19.46	0.00	20.00	20.10	19.87	19.82	0.30	20.70
	256QAM	1	0	19.98	19.77	19.91	0.00	20.00	20.56	20.12	20.47	0.30	20.70
		1	37	19.96	19.84	19.84	0.00	20.00	20.68	20.14	20.44	0.30	20.70
		1	74	19.88	19.70	19.86	0.00	20.00	20.48	20.00	20.47	0.30	20.70
		36	0	19.65	19.43	19.34	0.30	19.70	19.21	19.01	18.91	1.30	19.70
		36	20	19.63	19.42	19.43	0.30	19.70	19.19	18.98	18.98	1.30	19.70
	256QAM	36	39	19.56	19.36	19.35	0.30	19.70	19.11	18.94	18.94	1.30	19.70
		75	0	19.62	19.40	19.35	0.30	19.70	19.20	18.91	18.91	1.30	19.70
	256QAM	1	0	16.97	16.92	17.11	2.30	17.70	17.07	16.97	17.02	3.30	17.70
		1	37	17.00	17.08	17.08	2.30	17.70	16.98	17.10	16.93	3.30	17.70
		1	74	16.98	17.02	17.20	2.30	17.70	17.02	16.92	17.05	3.30	17.70
		36	0	17.14	17.13	17.03	2.30	17.70	16.90	17.03	17.04	3.30	17.70
		36	20	17.19	17.00	17.14	2.30	17.70	16.91	17.09	17.09	3.30	17.70
	256QAM	36	39	17.12	17.20	17.02	2.30	17.70	17.04	17.03	17.14	3.30	17.70
		75	0	17.19	16.98	16.99	2.30	17.70	17.00	16.92	17.11	3.30	17.70

LTE Band 66 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132022	132322	132622	MPR	Tune-up Limit	132022	132322	132622	MPR	Tune-up Limit
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	19.62	19.35	19.37	0.00	20.00	20.60	20.36	20.35	0.00	21.00
		1	25	19.86	19.60	19.65	0.00	20.00	20.83	20.62	20.65	0.00	21.00
		1	49	19.63	19.37	19.36	0.00	20.00	20.58	20.37	20.39	0.00	21.00
		25	0	19.65	19.40	19.34	0.00	20.00	20.65	20.43	20.36	0.00	21.00
		25	12	19.68	19.44	19.39	0.00	20.00	20.70	20.46	20.40	0.00	21.00
		25	25	19.56	19.35	19.35	0.00	20.00	20.57	20.34	20.38	0.00	21.00
	16QAM	50	0	19.60	19.37	19.30	0.00	20.00	20.61	20.37	20.33	0.00	21.00
		1	0	19.43	19.17	19.20	0.00	20.00	20.43	20.19	20.28	0.00	21.00
		1	25	19.61	19.39	19.41	0.00	20.00	20.63	20.40	20.43	0.00	21.00
		1	49	19.46	19.18	19.20	0.00	20.00	20.88	20.69	20.76	0.00	21.00
		25	0	19.86	19.64	19.61	0.00	20.00	20.22	20.00	19.94	0.30	20.70
		25	12	19.92	19.70	19.64	0.00	20.00	20.27	20.06	20.01	0.30	20.70
	64QAM	25	25	19.80	19.58	19.63	0.00	20.00	20.16	19.95	19.99	0.30	20.70
		50	0	19.76	19.55	19.52	0.00	20.00	20.11	19.91	19.85	0.30	20.70
		1	0	19.73	19.46	19.47	0.00	20.00	20.05	19.82	19.81	0.30	20.70
		1	25	19.80	19.77	19.79	0.00	20.00	20.34	20.15	20.18	0.30	20.70
		1	49	19.71	19.51	19.55	0.00	20.00	20.03	19.87	19.87	0.30	20.70
		25	0	19.69	19.44	19.41	0.30	19.70	19.23	19.01	18.93	1.30	19.70
	256QAM	25	12	19.62	19.49	19.46	0.30	19.70	19.26	19.04	18.99	1.30	19.70
		25	25	19.63	19.42	19.45	0.30	19.70	19.18	18.97	18.99	1.30	19.70
		50	0	19.59	19.34	19.30	0.30	19.70	19.10	18.91	18.84	1.30	19.70
		1	0	17.10	16.96	16.98	2.30	17.70	16.93	17.17	17.15	3.30	17.70
		1	25	17.07	17.09	17.20	2.30	17.70	17.16	16.94	16.96	3.30	17.70
		1	49	17.20	17.17	17.01	2.30	17.70	16.91	16.90	17.19	3.30	17.70
5 MHz	QPSK	25	0	17.10	16.92	17.12	2.30	17.70	17.03	16.93	16.93	3.30	17.70
		25	12	17.02	17.03	17.08	2.30	17.70	17.15	17.07	17.14	3.30	17.70
		25	25	17.08	17.00	17.12	2.30	17.70	17.01	17.15	17.17	3.30	17.70
		50	0	16.93	16.96	17.02	2.30	17.70	17.14	17.03	17.11	3.30	17.70
	16QAM	1	0	19.89	19.79	19.80	0.00	20.00	20.98	20.74	20.79	0.00	21.00
		1	12	19.98	19.76	19.74	0.00	20.00	20.99	20.74	20.73	0.00	21.00
		1	24	19.89	19.69	19.68	0.00	20.00	20.93	20.64	20.65	0.00	21.00
		12	0	19.74	19.47	19.51	0.00	20.00	20.72	20.47	20.51	0.00	21.00
		12	7	19.75	19.48	19.52	0.00	20.00	20.72	20.48	20.52	0.00	21.00
		12	13	19.65	19.43	19.42	0.00	20.00	20.66	20.44	20.45	0.00	21.00
	64QAM	25	0	19.72	19.45	19.47	0.00	20.00	20.69	20.46	20.48	0.00	21.00
		1	0	19.84	19.62	19.58	0.00	20.00	20.89	20.62	20.56	0.00	21.00
		1	12	19.78	19.53	19.57	0.00	20.00	20.82	20.53	20.56	0.00	21.00
		1	24	19.75	19.51	19.54	0.00	20.00	20.79	20.49	20.52	0.00	21.00
		12	0	19.93	19.72	19.70	0.00	20.00	20.31	20.02	20.06	0.30	20.70
		12	7	19.92	19.70	19.71	0.00	20.00	20.27	20.01	20.06	0.30	20.70
	256QAM	12	13	19.85	19.62	19.64	0.00	20.00	20.24	19.99	19.98	0.30	20.70
		25	0	19.80	19.57	19.54	0.00	20.00	20.23	19.90	19.93	0.30	20.70
		1	0	19.88	19.91	19.92	0.00	20.00	20.51	20.28	20.24	0.30	20.70
		1	12	19.86	19.90	19.92	0.00	20.00	20.49	20.27	20.25	0.30	20.70
		1	24	19.75	19.82	19.83	0.00	20.00	20.41	20.16	20.19	0.30	20.70
		12	0	19.49	19.50	19.53	0.30	19.70	19.34	19.04	19.06	1.30	19.70
	64QAM	12	7	19.50	19.49	19.55	0.30	19.70	19.31	19.08	19.11	1.30	19.70
		12	13	19.69	19.47	19.47	0.30	19.70	19.23	19.00	19.04	1.30	19.70
		25	0	19.67	19.42	19.44	0.30	19.70	19.22	18.99	19.01	1.30	19.70
	256QAM	1	0	17.08	16.95	17.09	2.30	17.70	17.15	17.06	16.98	3.30	17.70
		1	12	17.10	16.94	17.02	2.30	17.70	17.13	16.96	17.11	3.30	17.70
		1	24	17.17	17.10	17.12	2.30	17.70	17.02	17.16	17.03	3.30	17.70
		12	0	17.17	17.13	16.95	2.30	17.70	17.12	17.07	17.18	3.30	17.70
		12	7	16.92	17.04	16.92	2.30	17.70	16.95	17.08	17.18	3.30	17.70
		12	13	17.14	17.20	17.04	2.30	17.70	16.90	17.05	16.92	3.30	17.70
		25	0	17.17	16.91	17.14	2.30	17.70	17.18	17.17	17.16	3.30	17.70

LTE Band 66 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131987	132322	132657	MPR	Tune-up Limit	131987	132322	132657	MPR	Tune-up Limit
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	19.79	19.69	19.70	0.00	20.00	20.86	20.62	20.67	0.00	21.00
		1	8	19.88	19.66	19.64	0.00	20.00	20.87	20.62	20.61	0.00	21.00
		1	14	19.79	19.59	19.58	0.00	20.00	20.81	20.52	20.53	0.00	21.00
		8	0	19.64	19.37	19.41	0.00	20.00	20.60	20.35	20.39	0.00	21.00
		8	4	19.65	19.38	19.42	0.00	20.00	20.60	20.36	20.40	0.00	21.00
		8	7	19.55	19.33	19.32	0.00	20.00	20.54	20.32	20.33	0.00	21.00
	16QAM	15	0	19.62	19.35	19.37	0.00	20.00	20.57	20.34	20.36	0.00	21.00
		1	0	19.74	19.52	19.48	0.00	20.00	20.77	20.50	20.44	0.00	21.00
		1	8	19.68	19.43	19.47	0.00	20.00	20.70	20.41	20.44	0.00	21.00
		1	14	19.65	19.41	19.44	0.00	20.00	20.67	20.37	20.40	0.00	21.00
		8	0	19.83	19.62	19.60	0.00	20.00	20.19	19.90	19.94	0.30	20.70
		8	4	19.82	19.60	19.61	0.00	20.00	20.15	19.89	19.94	0.30	20.70
	64QAM	8	7	19.75	19.52	19.54	0.00	20.00	20.12	19.87	19.86	0.30	20.70
		15	0	19.70	19.47	19.44	0.00	20.00	20.11	19.78	19.81	0.30	20.70
		1	0	19.78	19.81	19.82	0.00	20.00	20.39	20.16	20.12	0.30	20.70
		1	8	19.76	19.80	19.82	0.00	20.00	20.37	20.15	20.13	0.30	20.70
		1	14	19.65	19.72	19.73	0.00	20.00	20.29	20.04	20.07	0.30	20.70
		8	0	19.39	19.40	19.43	0.30	19.70	19.22	18.92	18.94	1.30	19.70
	256QAM	8	4	19.40	19.39	19.45	0.30	19.70	19.19	18.96	18.99	1.30	19.70
		8	7	19.59	19.37	19.37	0.30	19.70	19.11	18.88	18.92	1.30	19.70
		15	0	19.57	19.32	19.34	0.30	19.70	19.10	18.87	18.89	1.30	19.70
		1	0	17.12	17.13	17.14	2.30	17.70	17.13	16.95	16.93	3.30	17.70
		1	8	17.11	16.91	17.01	2.30	17.70	17.03	16.93	17.17	3.30	17.70
		1	14	17.19	17.18	17.19	2.30	17.70	17.00	17.12	17.17	3.30	17.70
1.4 MHz	QPSK	8	0	17.14	17.03	16.96	2.30	17.70	16.98	17.02	17.05	3.30	17.70
		8	4	17.11	16.92	17.09	2.30	17.70	17.12	16.99	16.92	3.30	17.70
		8	7	17.17	17.16	17.10	2.30	17.70	16.96	16.93	17.16	3.30	17.70
		15	0	17.18	17.10	17.09	2.30	17.70	16.92	17.01	17.07	3.30	17.70
	16QAM	1	0	19.77	19.67	19.68	0.00	20.00	20.87	20.63	20.68	0.00	21.00
		1	3	19.86	19.64	19.62	0.00	20.00	20.88	20.63	20.62	0.00	21.00
		1	5	19.77	19.57	19.56	0.00	20.00	20.82	20.53	20.54	0.00	21.00
		3	0	19.62	19.35	19.39	0.00	20.00	20.61	20.36	20.40	0.00	21.00
		3	1	19.63	19.36	19.40	0.00	20.00	20.61	20.37	20.41	0.00	21.00
		3	3	19.53	19.31	19.30	0.00	20.00	20.55	20.33	20.34	0.00	21.00
	64QAM	6	0	19.60	19.33	19.35	0.00	20.00	20.58	20.35	20.37	0.00	21.00
		1	0	19.72	19.50	19.46	0.00	20.00	20.78	20.51	20.45	0.00	21.00
		1	3	19.66	19.41	19.45	0.00	20.00	20.71	20.42	20.45	0.00	21.00
		1	5	19.63	19.39	19.42	0.00	20.00	20.68	20.38	20.41	0.00	21.00
		3	0	19.81	19.60	19.58	0.00	20.00	20.70	20.71	20.75	0.00	21.00
		3	1	19.80	19.58	19.59	0.00	20.00	20.66	20.70	20.75	0.00	21.00
	256QAM	3	3	19.73	19.50	19.52	0.00	20.00	20.63	20.68	20.67	0.00	21.00
		6	0	19.68	19.45	19.42	0.00	20.00	20.12	19.79	19.82	0.30	20.70
		1	0	19.76	19.79	19.80	0.00	20.00	20.40	20.17	20.13	0.30	20.70
		1	3	19.74	19.78	19.80	0.00	20.00	20.38	20.16	20.14	0.30	20.70
		1	5	19.63	19.70	19.71	0.00	20.00	20.30	20.05	20.08	0.30	20.70
		3	0	19.37	19.38	19.41	0.00	20.00	20.13	19.83	19.85	0.30	20.70
1.4 MHz	64QAM	3	1	19.38	19.37	19.43	0.00	20.00	20.10	19.87	19.90	0.30	20.70
		3	3	19.57	19.35	19.35	0.00	20.00	20.02	19.79	19.83	0.30	20.70
		6	0	19.55	19.30	19.32	0.30	19.70	19.11	18.88	18.90	1.30	19.70
		1	0	16.95	17.15	17.00	2.30	17.70	17.07	16.90	17.11	3.30	17.70
		1	3	16.93	16.97	17.10	2.30	17.70	17.17	17.20	17.01	3.30	17.70
		1	5	17.13	17.14	16.94	2.30	17.70	17.03	17.11	17.01	3.30	17.70
	256QAM	3	0	17.03	17.07	17.03	2.30	17.70	17.04	17.02	17.05	3.30	17.70
		3	1	17.09	17.17	16.99	2.30	17.70	17.18	17.13	16.91	3.30	17.70
		3	3	17.17	17.04	17.02	2.30	17.70	17.03	17.15	16.95	3.30	17.70
		6	0	17.04	16.94	17.13	2.30	17.70	17.07	16.98	17.13	3.30	17.70

LTE Band 71 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					133297		MPR	Tune-up Limit		133297		MPR	Tune-up Limit
					680.5 MHz					680.5 MHz			
20 MHz	QPSK	1	0		24.79		0.00	25.70		24.79		0.00	25.70
		1	49		25.20		0.00	25.70		25.20		0.00	25.70
		1	99		24.78		0.00	25.70		24.78		0.00	25.70
		50	0		23.84		1.00	24.70		23.84		1.00	24.70
		50	24		24.20		1.00	24.70		24.20		1.00	24.70
		50	50		23.79		1.00	24.70		23.79		1.00	24.70
	16QAM	100	0		24.20		1.00	24.70		24.20		1.00	24.70
		1	0		24.38		1.00	24.70		24.38		1.00	24.70
		1	49		24.33		1.00	24.70		24.33		1.00	24.70
		1	99		24.29		1.00	24.70		24.29		1.00	24.70
		50	0		22.91		2.00	23.70		22.91		2.00	23.70
		50	24		22.93		2.00	23.70		22.93		2.00	23.70
	64QAM	50	50		22.84		2.00	23.70		22.84		2.00	23.70
		100	0		22.80		2.00	23.70		22.80		2.00	23.70
		1	0		23.33		2.00	23.70		23.33		2.00	23.70
		1	49		23.28		2.00	23.70		23.28		2.00	23.70
		1	99		23.24		2.00	23.70		23.24		2.00	23.70
		50	0		21.86		3.00	22.70		21.86		3.00	22.70
	256QAM	50	24		21.88		3.00	22.70		21.88		3.00	22.70
		50	50		21.79		3.00	22.70		21.79		3.00	22.70
		100	0		21.75		3.00	22.70		21.75		3.00	22.70
		1	0		20.55		5.00	20.70		20.55		5.00	20.70
		1	49		20.62		5.00	20.70		20.62		5.00	20.70
		1	99		20.65		5.00	20.70		20.65		5.00	20.70
15 MHz	QPSK	50	0		20.40		5.00	20.70		20.40		5.00	20.70
		50	24		20.55		5.00	20.70		20.55		5.00	20.70
		50	50		20.55		5.00	20.70		20.55		5.00	20.70
		100	0		20.70		5.00	20.70		20.70		5.00	20.70
		1	0		24.75		0.00	25.70		24.75		0.00	25.70
		1	37		24.76		0.00	25.70		24.76		0.00	25.70
	16QAM	1	74		24.73		0.00	25.70		24.73		0.00	25.70
		36	0		23.83		1.00	24.70		23.83		1.00	24.70
		36	20		23.83		1.00	24.70		23.83		1.00	24.70
		36	39		23.84		1.00	24.70		23.84		1.00	24.70
		75	0		23.74		1.00	24.70		23.74		1.00	24.70
		1	0		23.72		1.00	24.70		23.72		1.00	24.70
	64QAM	1	37		23.78		1.00	24.70		23.78		1.00	24.70
		1	74		23.77		1.00	24.70		23.77		1.00	24.70
		36	0		22.83		2.00	23.70		22.83		2.00	23.70
		36	20		22.83		2.00	23.70		22.83		2.00	23.70
		36	39		22.85		2.00	23.70		22.85		2.00	23.70
		75	0		22.78		2.00	23.70		22.78		2.00	23.70
	256QAM	1	0		23.42		2.00	23.70		23.42		2.00	23.70
		1	37		23.48		2.00	23.70		23.48		2.00	23.70
		1	74		23.47		2.00	23.70		23.47		2.00	23.70
		36	0		22.53		3.00	22.70		22.53		3.00	22.70
		36	20		22.53		3.00	22.70		22.53		3.00	22.70
		36	39		22.55		3.00	22.70		22.55		3.00	22.70
256QAM	75	0		22.48		3.00	22.70		22.48		3.00	22.70	
	1	0		20.61		5.00	20.70		20.61		5.00	20.70	
	1	37		20.57		5.00	20.70		20.57		5.00	20.70	
	1	74		20.42		5.00	20.70		20.42		5.00	20.70	
	36	0		20.63		5.00	20.70		20.63		5.00	20.70	
	36	20		20.51		5.00	20.70		20.51		5.00	20.70	
256QAM	36	39		20.41		5.00	20.70		20.41		5.00	20.70	
	75	0		20.50		5.00	20.70		20.50		5.00	20.70	

LTE Band 71 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				133172.00	133297.00	133422.00	MPR	Tune-up Limit	133172.00	133297.00	133422.00	MPR	Tune-up Limit
				668 MHz	680.5 MHz	693 MHz			668 MHz	680.5 MHz	693 MHz		
10 MHz	QPSK	1	0	24.86	24.85	24.71	0.00	25.70	24.86	24.85	24.71	0.00	25.70
		1	25	24.82	24.79	24.86	0.00	25.70	24.82	24.79	24.86	0.00	25.70
		1	49	24.80	24.77	24.81	0.00	25.70	24.80	24.77	24.81	0.00	25.70
		25	0	23.86	23.85	23.88	1.00	24.70	23.86	23.85	23.88	1.00	24.70
		25	12	23.94	23.93	23.87	1.00	24.70	23.94	23.93	23.87	1.00	24.70
		25	25	23.90	23.86	23.88	1.00	24.70	23.90	23.86	23.88	1.00	24.70
	16QAM	0	0	23.86	23.83	23.79	1.00	24.70	23.86	23.83	23.79	1.00	24.70
		1	0	23.94	23.80	24.12	1.00	24.70	23.94	23.80	24.12	1.00	24.70
		1	25	23.92	23.76	24.07	1.00	24.70	23.92	23.76	24.07	1.00	24.70
		1	49	23.90	23.79	24.04	1.00	24.70	23.90	23.79	24.04	1.00	24.70
		25	0	22.98	22.86	22.73	2.00	23.70	22.98	22.86	22.73	2.00	23.70
		25	12	23.04	22.91	22.72	2.00	23.70	23.04	22.91	22.72	2.00	23.70
	64QAM	25	25	23.00	22.88	22.71	2.00	23.70	23.00	22.88	22.71	2.00	23.70
		50	0	22.90	22.79	22.75	2.00	23.70	22.90	22.79	22.75	2.00	23.70
		1	0	23.54	23.40	23.62	2.00	23.70	23.54	23.40	23.62	2.00	23.70
		1	25	23.52	23.36	23.67	2.00	23.70	23.52	23.36	23.67	2.00	23.70
		1	49	23.50	23.39	23.64	2.00	23.70	23.50	23.39	23.64	2.00	23.70
		25	0	22.48	22.36	22.23	3.00	22.70	22.48	22.36	22.23	3.00	22.70
	256QAM	25	12	22.54	22.41	22.22	3.00	22.70	22.54	22.41	22.22	3.00	22.70
		25	25	22.50	22.38	22.21	3.00	22.70	22.50	22.38	22.21	3.00	22.70
		50	0	22.40	22.29	22.25	3.00	22.70	22.40	22.29	22.25	3.00	22.70
		1	0	20.56	20.41	20.68	5.00	20.70	20.56	20.41	20.68	5.00	20.70
		1	25	20.67	20.67	20.61	5.00	20.70	20.67	20.67	20.61	5.00	20.70
		1	49	20.66	20.47	20.69	5.00	20.70	20.66	20.47	20.69	5.00	20.70
5 MHz	QPSK	25	0	20.43	20.47	20.47	5.00	20.70	20.43	20.47	20.47	5.00	20.70
		25	12	20.48	20.41	20.55	5.00	20.70	20.48	20.41	20.55	5.00	20.70
		25	25	20.47	20.46	20.59	5.00	20.70	20.47	20.46	20.59	5.00	20.70
		50	0	20.68	20.51	20.55	5.00	20.70	20.68	20.51	20.55	5.00	20.70
	16QAM	1	0	24.94	24.73	24.83	0.00	25.70	24.94	24.73	24.83	0.00	25.70
		1	12	24.94	24.80	24.87	0.00	25.70	24.94	24.80	24.87	0.00	25.70
		1	24	24.97	24.79	24.86	0.00	25.70	24.97	24.79	24.86	0.00	25.70
		12	0	23.80	23.80	23.89	1.00	24.70	23.80	23.80	23.89	1.00	24.70
		12	7	23.91	23.94	23.94	1.00	24.70	23.91	23.94	23.94	1.00	24.70
		12	13	23.90	23.90	23.90	1.00	24.70	23.90	23.90	23.90	1.00	24.70
	64QAM	25	0	23.93	23.85	23.89	1.00	24.70	23.93	23.85	23.89	1.00	24.70
		1	0	24.05	24.27	24.09	1.00	24.70	24.05	24.27	24.09	1.00	24.70
		1	12	24.08	24.43	24.09	1.00	24.70	24.08	24.43	24.09	1.00	24.70
		1	24	24.15	24.41	23.98	1.00	24.70	24.15	24.41	23.98	1.00	24.70
		12	0	22.88	22.91	22.94	2.00	23.70	22.88	22.91	22.94	2.00	23.70
		12	7	23.01	23.07	23.02	2.00	23.70	23.01	23.07	23.02	2.00	23.70
	256QAM	12	13	23.02	23.04	22.95	2.00	23.70	23.02	23.04	22.95	2.00	23.70
		25	0	22.91	22.96	22.83	2.00	23.70	22.91	22.96	22.83	2.00	23.70
		1	0	22.98	23.20	23.02	2.00	23.70	22.98	23.20	23.02	2.00	23.70
		1	12	23.01	23.36	23.02	2.00	23.70	23.01	23.36	23.02	2.00	23.70
		1	24	23.08	23.34	22.91	2.00	23.70	23.08	23.34	22.91	2.00	23.70
		12	0	21.81	21.84	21.87	3.00	22.70	21.81	21.84	21.87	3.00	22.70
5 MHz	64QAM	12	7	21.94	22.00	21.95	3.00	22.70	21.94	22.00	21.95	3.00	22.70
		12	13	21.95	21.97	21.88	3.00	22.70	21.95	21.97	21.88	3.00	22.70
		25	0	21.84	21.89	21.76	3.00	22.70	21.84	21.89	21.76	3.00	22.70
	256QAM	1	0	20.68	20.69	20.49	5.00	20.70	20.68	20.69	20.49	5.00	20.70
		1	12	20.44	20.68	20.47	5.00	20.70	20.44	20.68	20.47	5.00	20.70
		1	24	20.48	20.46	20.57	5.00	20.70	20.48	20.46	20.57	5.00	20.70
		12	0	20.40	20.56	20.46	5.00	20.70	20.40	20.56	20.46	5.00	20.70
		12	7	20.56	20.51	20.69	5.00	20.70	20.56	20.51	20.69	5.00	20.70
		12	13	20.57	20.48	20.56	5.00	20.70	20.57	20.48	20.56	5.00	20.70
	256QAM	25	0	20.42	20.54	20.68	5.00	20.70	20.42	20.54	20.68	5.00	20.70

LTE Band 71 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)					
					133297		MPR	Tune-up Limit		133297		MPR	Tune-up Limit
					680.5 MHz					680.5 MHz			
20 MHz	QPSK	1	0		23.65		0.00	24.50		23.65		0.00	24.50
		1	49		24.00		0.00	24.50		24.00		0.00	24.50
		1	99		23.62		0.00	24.50		23.62		0.00	24.50
		50	0		22.87		1.00	23.50		22.87		1.00	23.50
		50	24		23.00		1.00	23.50		23.00		1.00	23.50
		50	50		22.88		1.00	23.50		22.88		1.00	23.50
	16QAM	100	0		23.00		1.00	23.50		23.00		1.00	23.50
		1	0		23.30		1.00	23.50		23.30		1.00	23.50
		1	49		23.23		1.00	23.50		23.23		1.00	23.50
		1	99		23.29		1.00	23.50		23.29		1.00	23.50
		50	0		21.90		2.00	22.50		21.90		2.00	22.50
		50	24		21.94		2.00	22.50		21.94		2.00	22.50
	64QAM	50	50		21.91		2.00	22.50		21.91		2.00	22.50
		100	0		21.84		2.00	22.50		21.84		2.00	22.50
		1	0		22.37		2.00	22.50		22.37		2.00	22.50
		1	49		22.30		2.00	22.50		22.30		2.00	22.50
		1	99		22.36		2.00	22.50		22.36		2.00	22.50
		50	0		20.97		3.00	21.50		20.97		3.00	21.50
	256QAM	50	24		21.01		3.00	21.50		21.01		3.00	21.50
		50	50		20.98		3.00	21.50		20.98		3.00	21.50
		100	0		20.91		3.00	21.50		20.91		3.00	21.50
		1	0		19.32		5.00	19.50		19.32		5.00	19.50
		1	49		19.25		5.00	19.50		19.25		5.00	19.50
		1	99		19.25		5.00	19.50		19.25		5.00	19.50
15 MHz	QPSK	50	0		19.49		5.00	19.50		19.49		5.00	19.50
		50	24		19.43		5.00	19.50		19.43		5.00	19.50
		50	50		19.40		5.00	19.50		19.40		5.00	19.50
		100	0		19.35		5.00	19.50		19.35		5.00	19.50
		1	0		23.74		0.00	24.50		23.74		0.00	24.50
		1	37		23.68		0.00	24.50		23.68		0.00	24.50
	16QAM	1	74		23.74		0.00	24.50		23.74		0.00	24.50
		36	0		22.87		1.00	23.50		22.87		1.00	23.50
		36	20		22.91		1.00	23.50		22.91		1.00	23.50
		36	39		22.85		1.00	23.50		22.85		1.00	23.50
		75	0		22.85		1.00	23.50		22.85		1.00	23.50
		1	0		23.24		1.00	23.50		23.24		1.00	23.50
	64QAM	1	37		23.21		1.00	23.50		23.21		1.00	23.50
		1	74		23.23		1.00	23.50		23.23		1.00	23.50
		36	0		21.88		2.00	22.50		21.88		2.00	22.50
		36	20		21.96		2.00	22.50		21.96		2.00	22.50
		36	39		21.90		2.00	22.50		21.90		2.00	22.50
		75	0		21.85		2.00	22.50		21.85		2.00	22.50
	256QAM	1	0		22.25		2.00	22.50		22.25		2.00	22.50
		1	37		22.22		2.00	22.50		22.22		2.00	22.50
		1	74		22.24		2.00	22.50		22.24		2.00	22.50
		36	0		20.89		3.00	21.50		20.89		3.00	21.50
		36	20		20.97		3.00	21.50		20.97		3.00	21.50
		36	39		20.91		3.00	21.50		20.91		3.00	21.50
	QPSK	75	0		20.86		3.00	21.50		20.86		3.00	21.50
		1	0		19.21		5.00	19.50		19.21		5.00	19.50
		1	37		19.43		5.00	19.50		19.43		5.00	19.50
		1	74		19.41		5.00	19.50		19.41		5.00	19.50
	16QAM	36	0		19.40		5.00	19.50		19.40		5.00	19.50
		36	20		19.34		5.00	19.50		19.34		5.00	19.50
		36	39		19.26		5.00	19.50		19.26		5.00	19.50
		75	0		19.36		5.00	19.50		19.36		5.00	19.50
	64QAM	1	0		19.36		5.00	19.50		19.36		5.00	19.50
		1	37		19.43		5.00	19.50		19.43		5.00	19.50
		1	74		19.41		5.00	19.50		19.41		5.00	19.50
		36	0		19.40		5.00	19.50		19.40		5.00	19.50

LTE Band 71 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				133172	133297	133422	MPR	Tune-up Limit	133172	133297	133422	MPR	Tune-up Limit
				668 MHz	680.5 MHz	693 MHz			668 MHz	680.5 MHz	693 MHz		
10 MHz	QPSK	1	0	23.91	23.76	23.78	0.00	24.50	23.91	23.76	23.78	0.00	24.50
		1	25	23.83	23.69	23.69	0.00	24.50	23.83	23.69	23.69	0.00	24.50
		1	49	23.90	23.72	23.64	0.00	24.50	23.90	23.72	23.64	0.00	24.50
		25	0	22.91	22.85	22.83	1.00	23.50	22.91	22.85	22.83	1.00	23.50
		25	12	23.00	22.91	22.81	1.00	23.50	23.00	22.91	22.81	1.00	23.50
		25	25	22.95	22.87	22.83	1.00	23.50	22.95	22.87	22.83	1.00	23.50
	16QAM	50	0	22.94	22.84	22.73	1.00	23.50	22.94	22.84	22.73	1.00	23.50
		1	0	23.34	22.93	22.83	1.00	23.50	23.34	22.93	22.83	1.00	23.50
		1	25	23.30	22.85	22.79	1.00	23.50	23.30	22.85	22.79	1.00	23.50
		1	49	23.28	22.88	22.69	1.00	23.50	23.28	22.88	22.69	1.00	23.50
		25	0	21.97	21.95	21.83	2.00	22.50	21.97	21.95	21.83	2.00	22.50
		25	12	22.06	22.02	21.81	2.00	22.50	22.06	22.02	21.81	2.00	22.50
	64QAM	25	25	22.02	21.98	21.86	2.00	22.50	22.02	21.98	21.86	2.00	22.50
		50	0	21.97	21.90	21.72	2.00	22.50	21.97	21.90	21.72	2.00	22.50
		1	0	22.25	21.84	21.74	2.00	22.50	22.25	21.84	21.74	2.00	22.50
		1	25	22.21	21.76	21.70	2.00	22.50	22.21	21.76	21.70	2.00	22.50
		1	49	22.19	21.79	21.60	2.00	22.50	22.19	21.79	21.60	2.00	22.50
		25	0	20.88	20.86	20.74	3.00	21.50	20.88	20.86	20.74	3.00	21.50
	256QAM	25	12	20.97	20.93	20.72	3.00	21.50	20.97	20.93	20.72	3.00	21.50
		25	25	20.93	20.89	20.77	3.00	21.50	20.93	20.89	20.77	3.00	21.50
		50	0	20.88	20.81	20.63	3.00	21.50	20.88	20.81	20.63	3.00	21.50
		1	0	19.20	19.27	19.22	5.00	19.50	19.20	19.27	19.22	5.00	19.50
		1	25	19.42	19.32	19.34	5.00	19.50	19.42	19.32	19.34	5.00	19.50
		1	49	19.21	19.22	19.33	5.00	19.50	19.21	19.22	19.33	5.00	19.50
5 MHz	QPSK	25	0	19.48	19.33	19.45	5.00	19.50	19.48	19.33	19.45	5.00	19.50
		25	12	19.46	19.47	19.25	5.00	19.50	19.46	19.47	19.25	5.00	19.50
		25	25	19.30	19.49	19.41	5.00	19.50	19.30	19.49	19.41	5.00	19.50
		50	0	19.23	19.34	19.44	5.00	19.50	19.23	19.34	19.44	5.00	19.50
	16QAM	1	0	23.83	23.76	23.55	0.00	24.50	23.83	23.76	23.55	0.00	24.50
		1	12	23.79	23.61	23.60	0.00	24.50	23.79	23.61	23.60	0.00	24.50
		1	24	23.85	23.60	23.57	0.00	24.50	23.85	23.60	23.57	0.00	24.50
		12	0	22.93	22.85	22.79	1.00	23.50	22.93	22.85	22.79	1.00	23.50
		12	7	23.04	22.94	22.86	1.00	23.50	23.04	22.94	22.86	1.00	23.50
		12	13	23.01	22.92	22.83	1.00	23.50	23.01	22.92	22.83	1.00	23.50
	64QAM	25	0	23.01	22.90	22.79	1.00	23.50	23.01	22.90	22.79	1.00	23.50
		1	0	23.18	23.27	23.03	1.00	23.50	23.18	23.27	23.03	1.00	23.50
		1	12	23.13	23.42	23.01	1.00	23.50	23.13	23.42	23.01	1.00	23.50
		1	24	23.20	23.48	22.97	1.00	23.50	23.20	23.48	22.97	1.00	23.50
		12	0	21.99	21.97	21.87	2.00	22.50	21.99	21.97	21.87	2.00	22.50
		12	7	22.12	22.09	21.91	2.00	22.50	22.12	22.09	21.91	2.00	22.50
	256QAM	12	13	22.10	22.07	21.89	2.00	22.50	22.10	22.07	21.89	2.00	22.50
		25	0	22.02	21.96	21.76	2.00	22.50	22.02	21.96	21.76	2.00	22.50
		1	0	22.00	22.09	21.85	2.00	22.50	22.00	22.09	21.85	2.00	22.50
		1	12	21.95	22.24	21.83	2.00	22.50	21.95	22.24	21.83	2.00	22.50
		1	24	22.02	22.30	21.79	2.00	22.50	22.02	22.30	21.79	2.00	22.50
		12	0	20.81	20.79	20.69	3.00	21.50	20.81	20.79	20.69	3.00	21.50
5 MHz	64QAM	12	7	20.94	20.91	20.73	3.00	21.50	20.94	20.91	20.73	3.00	21.50
		12	13	20.92	20.89	20.71	3.00	21.50	20.92	20.89	20.71	3.00	21.50
		25	0	20.84	20.78	20.58	3.00	21.50	20.84	20.78	20.58	3.00	21.50
	256QAM	1	0	19.47	19.37	19.35	5.00	19.50	19.47	19.37	19.35	5.00	19.50
		1	12	19.33	19.47	19.39	5.00	19.50	19.33	19.47	19.39	5.00	19.50
		1	24	19.22	19.46	19.28	5.00	19.50	19.22	19.46	19.28	5.00	19.50
	256QAM	12	0	19.25	19.25	19.26	5.00	19.50	19.25	19.25	19.26	5.00	19.50
		12	7	19.41	19.46	19.38	5.00	19.50	19.41	19.46	19.38	5.00	19.50
		12	13	19.49	19.21	19.21	5.00	19.50	19.49	19.21	19.21	5.00	19.50
		25	0	19.31	19.26	19.38	5.00	19.50	19.31	19.26	19.38	5.00	19.50

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

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

Where M_A is defined as follows

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

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

and M_{IM5} is defined as follows

$$M_{IM5} = \begin{aligned} &4.5 \quad ; \Delta_{IM5} < 1.5 * BW_{Channel_CA} \\ &6.0 \quad ; 1.5 * BW_{Channel_CA} \leq \Delta_{IM5} < BW_{Channel_CA}/2 + \Delta f_{00B} \\ &M_A \quad ; \Delta_{IM5} \geq BW_{Channel_CA}/2 + \Delta f_{00B} \end{aligned}$$

Where

$$A = N_{RB_alloc} / N_{RB_agg}$$

$$\Delta_{IM5} = \max(|F_{C_agg} - (3 * F_{agg_alloc_low} - 2 * F_{agg_alloc_high})|, |F_{C_agg} - (3 * F_{agg_alloc_high} - 2 * F_{agg_alloc_low})|)$$

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

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

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

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

Where M_N is defined as follows

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

Where $N = N_{RB_alloc}$ is the number of allocated resource blocks.

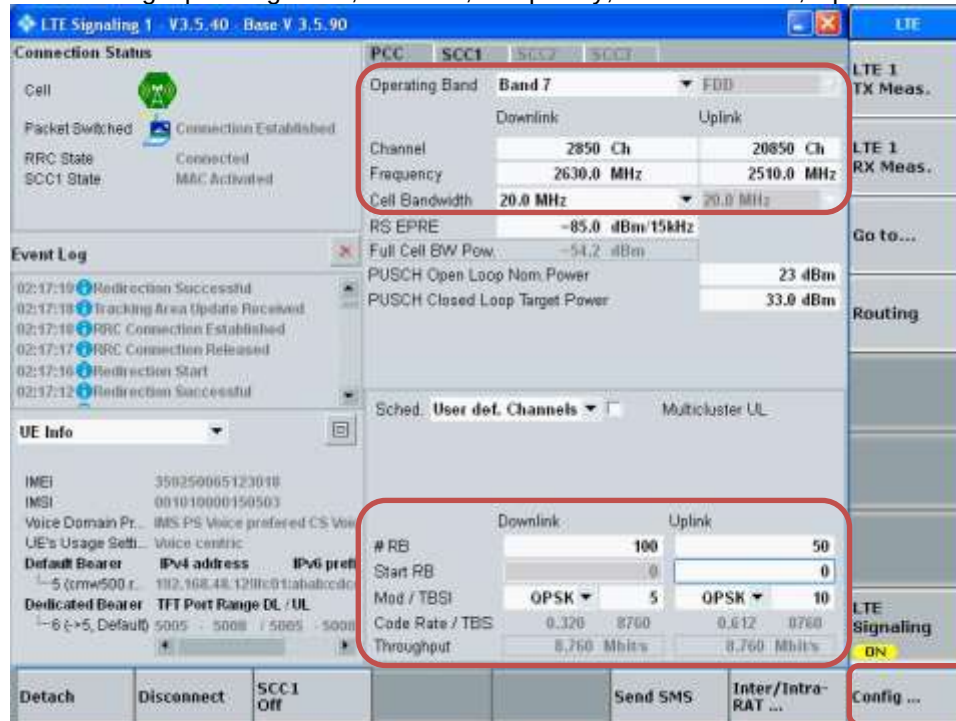
For the UE maximum output power modified by MPR, the power limits specified in subclause 6.2.5A apply.

LTE Carrier Aggregation Test Signal Set-up Procedure

(Use normal LTE set-up procedure in addition with the following steps)

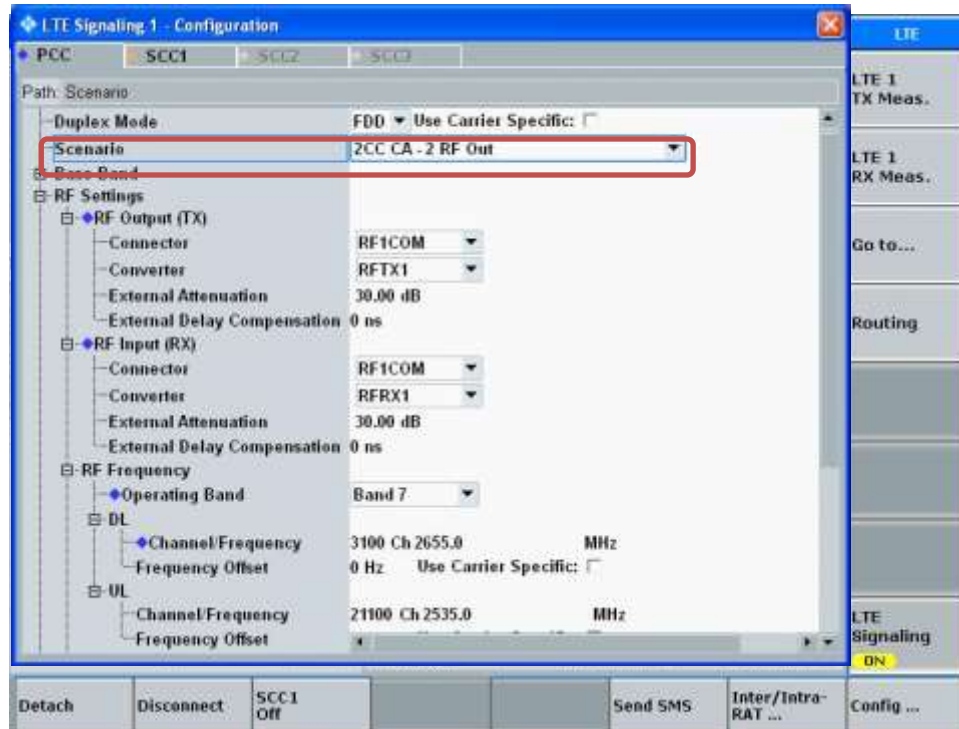
Set to CMW-500 with following parameters:

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

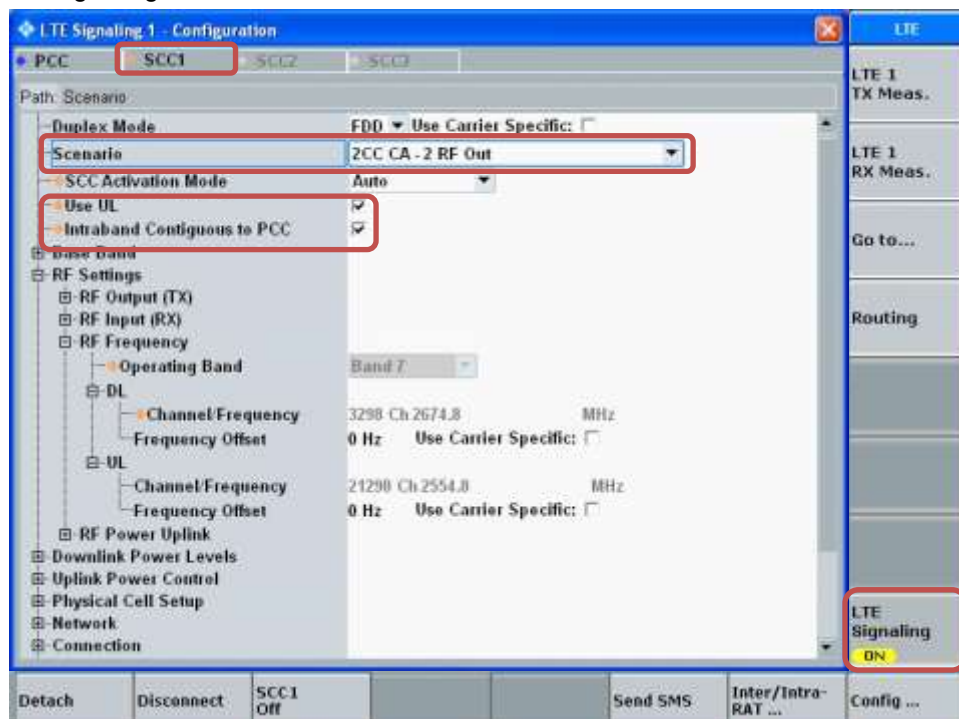


- Go to "Config...."

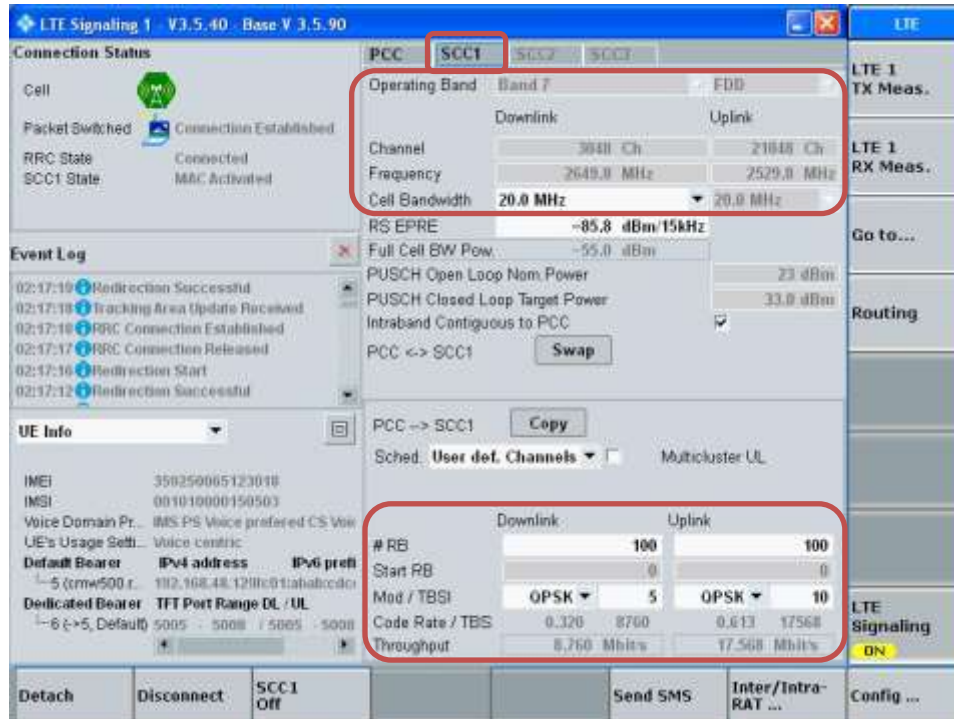
- Go to "Scenario"
- Set to "2CC CA – 2 RF Out"



- 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

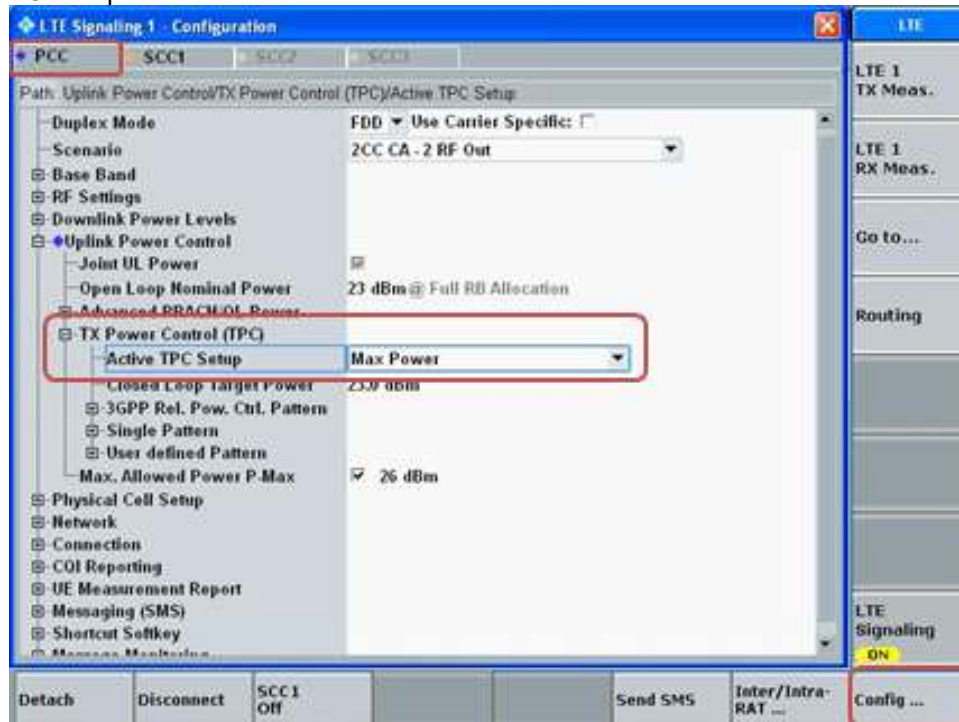


- Select “SCC1” tab
 - Select the testing Cell Bandwidth, Uplink RBs

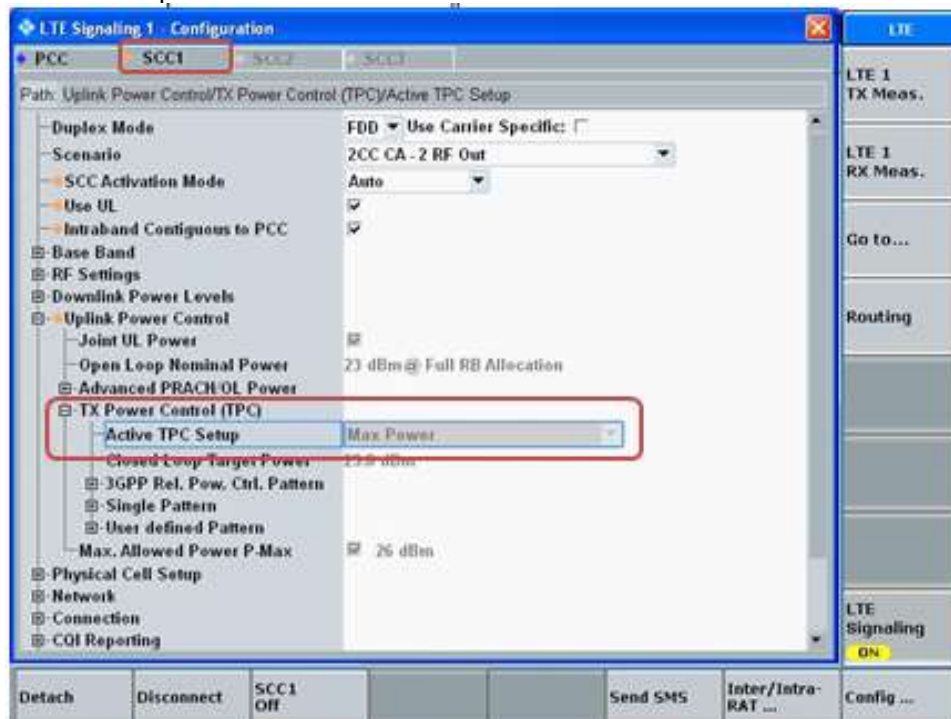


Max Power Setting

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

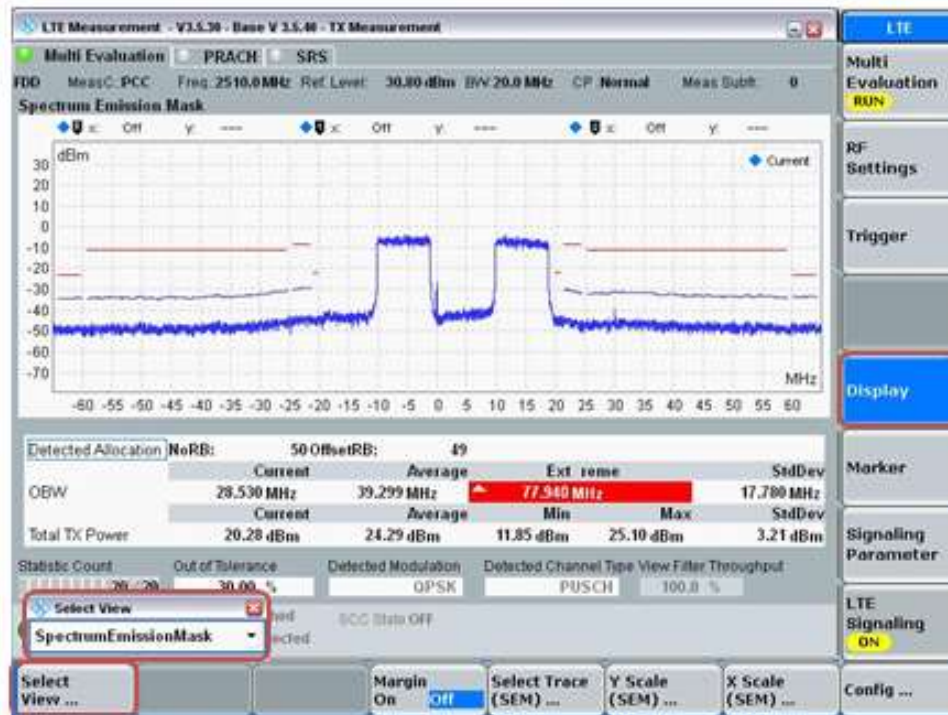


- Select SCC1 tab
- Verify that “Active TPC Setup” is set to “Max Power”



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

Maximum Output Power (Tune-up Limit) for LTE UL Carrier Aggregation

Intra-Band Contiguous	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
CA_5B	QPSK	25.70	25.70	24.50	24.50				
CA_7C	QPSK	25.70	19.50	16.50	17.50	23.00	18.00	20.00	21.50
CA_41C (PC3)	QPSK	25.70	22.25	18.50	19.75	24.70	20.00	21.75	22.20
CA_41C (PC2)	QPSK	27.70	N/A	N/A	N/A	26.70	N/A	N/A	24.20
Intra-Band Contiguous	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT7		ANT8		ANT9		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
CA_48C	QPSK	25.70	21.00	22.00	20.00	25.20	22.50	19.50	21.00

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	25.00	25.70	24.90	-0.1
CA_5B	ANT 1	Mode B	QPSK	10	831.6	1	49	5	841.5	1	0	25.70	25.00	25.70	24.90	-0.1
CA_5B	ANT 2	Mode A	QPSK	10	831.6	1	49	5	841.5	1	0	24.50	24.00	24.50	23.80	-0.2
CA_5B	ANT 2	Mode B	QPSK	10	831.6	1	49	5	841.5	1	0	24.50	24.00	24.50	23.80	-0.2

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	2525.1	1	99	20	2544.9	1	0	25.70	25.50	25.70	25.30	-0.2
CA_7C	ANT 1	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	19.50	19.50	19.50	19.50	0.0
CA_7C	ANT 1	Mode B	QPSK	20	2510	1	99	20	2529.8	1	0	19.50	19.50	19.50	19.50	0.0
CA_7C	ANT 2	Mode A	QPSK	20	2510	1	99	20	2529.8	1	0	16.50	16.35	16.50	16.10	-0.3
CA_7C	ANT 2	Mode B	QPSK	20	2540.2	1	99	20	2560	1	0	17.50	17.50	17.50	17.30	-0.2
CA_7C	ANT 3	Mode A	QPSK	20	2510	1	99	20	2529.8	1	0	23.00	23.00	23.00	22.94	-0.1
CA_7C	ANT 3	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	18.00	17.60	18.00	17.50	-0.1
CA_7C	ANT 3	Mode B	QPSK	20	2510.0	1	99	20	2529.8	1	0	18.00	17.90	18.00	17.80	-0.1
CA_7C	ANT 4	Mode A	QPSK	20	2510.0	1	99	20	2529.8	1	0	20.00	20.00	20.00	20.00	0.0
CA_7C	ANT 4	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	21.50	21.00	21.50	21.00	0.0
CA_7C	ANT 4	Mode B	QPSK	20	2540.2	1	99	20	2560	1	0	21.50	21.00	21.50	21.00	0.0

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	25.50	25.70	25.50	0.0
CA_41C	ANT 1	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	22.00	22.00	22.00	21.89	-0.1
CA_41C	ANT 1	Mode B	QPSK	20	2506	1	99	20	2525.8	1	0	22.00	22.00	22.00	22.00	0.0
CA_41C	ANT 2	Mode A	QPSK	20	2660.2	1	99	20	2680	1	0	18.50	18.50	18.50	18.43	-0.1
CA_41C	ANT 2	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	19.75	19.75	19.75	19.52	-0.2
CA_41C	ANT 2	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	19.75	19.75	19.75	19.49	-0.3
CA_41C	ANT 3	Mode A	QPSK	20	2583.1	1	99	20	2602.9	1	0	24.70	24.60	24.70	24.70	0.1
CA_41C	ANT 3	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	20.00	19.50	20.00	19.43	-0.1
CA_41C	ANT 3	Mode B	QPSK	20	2506.0	1	99	20	2525.8	1	0	20.00	19.50	20.00	19.51	0.0
CA_41C	ANT 4	Mode A	QPSK	20	2660.2	1	99	20	2680.0	1	0	21.75	21.75	21.75	21.75	0.0
CA_41C	ANT 4	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	22.20	22.00	22.20	21.56	-0.4

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	25.30	25.70	25.60	0.3
CA_48C	ANT 7	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	21.00	20.70	21.00	21.00	0.3
CA_48C	ANT 7	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	21.00	20.70	21.00	20.65	-0.1
CA_48C	ANT 8	Mode A	QPSK	20	3615.1	1	99	20	3634.9	1	0	19.50	19.50	19.50	19.40	-0.1
CA_48C	ANT 8	Mode B	QPSK	20	3560	1	99	20	3579.8	1	0	21.00	21.00	21.00	21.00	0.0
CA_48C	ANT 9	Mode A	QPSK	20	3615.1	1	99	20	3634.9	1	0	25.20	25.10	25.20	25.00	-0.1
CA_48C	ANT 9	Mode B	QPSK	20	3607.2	1	99	20	3690	1	0	22.50	22.30	22.50	22.20	-0.1
CA_48C	ANT 4	Mode A	QPSK	20	3615.1	1	99	20	3634.9	1	0	22.00	21.95	22.00	21.50	-0.4
CA_48C	ANT 4	Mode B	QPSK	20	3607.2	1	99	20	3690.0	1	0	20.00	19.95	20.00	19.70	-0.3
CA_48C	ANT 4	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	20.00	19.95	20.00	19.70	-0.3

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	Antenna 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	25.70	24.50	0.280	0.706	22.70	21.50	0.140	0.354	0.494
		ANT2	2A	ANT1	5A	20.00	25.70	0.965	0.221	17.00	22.70	0.484	0.111	0.594
		ANT3	2A	ANT1	5A	24.70	25.70	0.363	0.221	21.70	22.70	0.182	0.111	0.293
		ANT3	2A	ANT2	5A	24.70	24.50	0.363	0.706	21.70	21.50	0.182	0.354	0.536
		ANT4	2A	ANT1	5A	19.00	25.70	0.994	0.221	16.00	22.70	0.498	0.111	0.609
		ANT4	2A	ANT2	5A	19.00	24.50	0.994	0.706	16.00	21.50	0.498	0.354	0.852
	Body	ANT1	2A	ANT2	5A	16.50	24.50	0.931	0.497	13.50	21.50	0.467	0.249	0.716
		ANT2	2A	ANT1	5A	20.25	25.70	0.910	0.664	17.25	22.70	0.456	0.333	0.789
		ANT3	2A	ANT1	5A	19.50	25.70	0.953	0.664	16.50	22.70	0.478	0.333	0.810
		ANT3	2A	ANT2	5A	19.50	24.50	0.953	0.497	16.50	21.50	0.478	0.249	0.727
		ANT4	2A	ANT1	5A	20.25	25.70	0.842	0.664	17.25	22.70	0.422	0.333	0.755
		ANT4	2A	ANT2	5A	20.25	24.50	0.842	0.497	17.25	21.50	0.422	0.249	0.671
CA_2A-12A	Head	ANT1	2A	ANT2	12A	25.70	23.90	0.280	0.571	22.70	20.90	0.140	0.286	0.427
		ANT2	2A	ANT1	12A	20.00	24.70	0.965	0.154	17.00	21.70	0.484	0.077	0.561
		ANT3	2A	ANT1	12A	24.70	24.70	0.363	0.154	21.70	21.70	0.182	0.077	0.259
		ANT3	2A	ANT2	12A	24.70	23.90	0.363	0.571	21.70	20.90	0.182	0.286	0.468
		ANT4	2A	ANT1	12A	19.00	24.70	0.994	0.154	16.00	21.70	0.498	0.077	0.575
		ANT4	2A	ANT2	12A	19.00	23.90	0.994	0.571	16.00	20.90	0.498	0.286	0.784
	Body	ANT1	2A	ANT2	12A	16.50	23.90	0.931	0.500	13.50	20.90	0.467	0.251	0.717
		ANT2	2A	ANT1	12A	20.25	25.70	0.910	0.741	17.25	22.70	0.456	0.371	0.827
		ANT3	2A	ANT1	12A	19.50	25.70	0.953	0.741	16.50	22.70	0.478	0.371	0.849
		ANT3	2A	ANT2	12A	19.50	23.90	0.953	0.500	16.50	20.90	0.478	0.251	0.728
		ANT4	2A	ANT1	12A	20.25	25.70	0.842	0.741	17.25	22.70	0.422	0.371	0.793
		ANT4	2A	ANT2	12A	20.25	23.90	0.842	0.500	17.25	20.90	0.422	0.251	0.673
CA_2A-13A	Head	ANT1	2A	ANT2	13A	25.70	23.90	0.280	0.594	22.70	20.90	0.140	0.298	0.438
		ANT2	2A	ANT1	13A	20.00	25.20	0.965	0.229	17.00	22.20	0.484	0.115	0.598
		ANT3	2A	ANT1	13A	24.70	25.20	0.363	0.229	21.70	22.20	0.182	0.115	0.297
		ANT3	2A	ANT2	13A	24.70	23.90	0.363	0.594	21.70	20.90	0.182	0.298	0.480
		ANT4	2A	ANT1	13A	19.00	25.20	0.994	0.229	16.00	22.20	0.498	0.115	0.613
		ANT4	2A	ANT2	13A	19.00	23.90	0.994	0.594	16.00	20.90	0.498	0.298	0.796
	Body	ANT1	2A	ANT2	13A	16.50	23.90	0.931	0.419	13.50	20.90	0.467	0.210	0.677
		ANT2	2A	ANT1	13A	20.25	25.70	0.910	0.637	17.25	22.70	0.456	0.319	0.775
		ANT3	2A	ANT1	13A	19.50	25.70	0.953	0.637	16.50	22.70	0.478	0.319	0.797
		ANT3	2A	ANT2	13A	19.50	23.90	0.953	0.419	16.50	20.90	0.478	0.210	0.688
		ANT4	2A	ANT1	13A	20.25	25.70	0.842	0.637	17.25	22.70	0.422	0.319	0.741
		ANT4	2A	ANT2	13A	20.25	23.90	0.842	0.419	17.25	20.90	0.422	0.210	0.632
CA_4A-5A	Head	ANT1	4A	ANT2	5A	25.70	24.50	0.302	0.706	22.70	21.50	0.151	0.354	0.505
		ANT2	4A	ANT1	5A	19.00	25.70	0.956	0.221	16.00	22.70	0.479	0.111	0.590
		ANT3	4A	ANT1	5A	24.70	25.70	0.367	0.221	21.70	22.70	0.184	0.111	0.295
		ANT3	4A	ANT2	5A	24.70	24.50	0.367	0.706	21.70	21.50	0.184	0.354	0.538
		ANT4	4A	ANT1	5A	20.00	25.70	0.961	0.221	17.00	22.70	0.482	0.111	0.592
		ANT4	4A	ANT2	5A	20.00	24.50	0.961	0.706	17.00	21.50	0.482	0.354	0.835
	Body	ANT1	4A	ANT2	5A	17.00	24.50	0.936	0.497	14.00	21.50	0.469	0.249	0.718
		ANT2	4A	ANT1	5A	17.25	25.70	0.982	0.664	14.25	22.70	0.492	0.333	0.825
		ANT3	4A	ANT1	5A	21.25	25.70	0.945	0.664	18.25	22.70	0.474	0.333	0.806
		ANT3	4A	ANT2	5A	21.25	24.50	0.945	0.497	18.25	21.50	0.474	0.249	0.723
		ANT4	4A	ANT1	5A	21.00	25.70	0.978	0.664	18.00	22.70	0.490	0.333	0.823
		ANT4	4A	ANT2	5A	21.00	24.50	0.978	0.497	18.00	21.50	0.490	0.249	0.739
CA_4A-12A	Head	ANT1	4A	ANT2	12A	25.70	23.90	0.302	0.571	22.70	20.90	0.151	0.286	0.438
		ANT2	4A	ANT1	12A	19.00	24.70	0.956	0.154	16.00	21.70	0.479	0.077	0.556
		ANT3	4A	ANT1	12A	24.70	24.70	0.367	0.154	21.70	21.70	0.184	0.077	0.261
		ANT3	4A	ANT2	12A	24.70	23.90	0.367	0.571	21.70	20.90	0.184	0.286	0.470
		ANT4	4A	ANT1	12A	20.00	24.70	0.961	0.154	17.00	21.70	0.482	0.077	0.559
		ANT4	4A	ANT2	12A	20.00	23.90	0.961	0.571	17.00	20.90	0.482	0.286	0.768
	Body	ANT1	4A	ANT2	12A	17.00	23.90	0.936	0.500	14.00	20.90	0.469	0.251	0.720
		ANT2	4A	ANT1	12A	17.25	25.70	0.982	0.741	14.25	22.70	0.492	0.371	0.864
		ANT3	4A	ANT1	12A	21.25	25.70	0.945	0.741	18.25	22.70	0.474	0.371	0.845
		ANT3	4A	ANT2	12A	21.25	23.90	0.945	0.500	18.25	20.90	0.474	0.251	0.724
		ANT4	4A	ANT1	12A	21.00	25.70	0.978	0.741	18.00	22.70	0.490	0.371	0.862
		ANT4	4A	ANT2	12A	21.00	23.90	0.978	0.500	18.00	20.90	0.490	0.251	0.741

UL CA inter-bands	RF Exposure Conditions	Antenna 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	25.70	23.90	0.302	0.594	22.70	20.90	0.151	0.298	0.449
		ANT2	4A	ANT1	13A	19.00	25.20	0.956	0.229	16.00	22.20	0.479	0.115	0.594
		ANT3	4A	ANT1	13A	24.70	25.20	0.367	0.229	21.70	22.20	0.184	0.115	0.299
		ANT3	4A	ANT2	13A	24.70	23.90	0.367	0.594	21.70	20.90	0.184	0.298	0.482
		ANT4	4A	ANT1	13A	20.00	25.20	0.961	0.229	17.00	22.20	0.482	0.115	0.596
		ANT4	4A	ANT2	13A	20.00	23.90	0.961	0.594	17.00	20.90	0.482	0.298	0.779
	Body	ANT1	4A	ANT2	13A	17.00	23.90	0.936	0.419	14.00	20.90	0.469	0.210	0.679
		ANT2	4A	ANT1	13A	17.25	25.70	0.982	0.637	14.25	22.70	0.492	0.319	0.811
		ANT3	4A	ANT1	13A	21.25	25.70	0.945	0.637	18.25	22.70	0.474	0.319	0.793
		ANT3	4A	ANT2	13A	21.25	23.90	0.945	0.419	18.25	20.90	0.474	0.210	0.684
		ANT4	4A	ANT1	13A	21.00	25.70	0.978	0.637	18.00	22.70	0.490	0.319	0.809
CA_5A-7A	Head	ANT1	5A	ANT2	7A	25.70	16.50	0.210	0.948	22.70	13.50	0.105	0.475	0.580
		ANT1	5A	ANT3	7A	25.70	23.00	0.210	0.958	22.70	20.00	0.105	0.480	0.585
		ANT1	5A	ANT4	7A	25.70	20.00	0.210	0.971	22.70	17.00	0.105	0.487	0.592
		ANT2	5A	ANT1	7A	24.50	25.70	0.760	0.354	21.50	22.70	0.381	0.177	0.558
		ANT2	5A	ANT3	7A	24.50	23.00	0.760	0.958	21.50	20.00	0.381	0.480	0.861
		ANT2	5A	ANT4	7A	24.50	20.00	0.760	0.971	21.50	17.00	0.381	0.487	0.868
	Body	ANT1	5A	ANT2	7A	25.70	17.50	0.610	0.988	22.70	14.50	0.306	0.495	0.801
		ANT1	5A	ANT3	7A	25.70	18.00	0.610	0.997	22.70	15.00	0.306	0.500	0.805
		ANT1	5A	ANT4	7A	25.70	21.50	0.610	0.991	22.70	18.50	0.306	0.497	0.802
		ANT2	5A	ANT1	7A	24.50	19.50	0.487	0.990	21.50	16.50	0.244	0.496	0.740
		ANT2	5A	ANT3	7A	24.50	18.00	0.487	0.997	21.50	15.00	0.244	0.500	0.744
CA_5A-66A	Head	ANT1	5A	ANT2	66A	25.70	19.00	0.210	0.956	22.70	16.00	0.105	0.479	0.584
		ANT1	5A	ANT3	66A	25.70	24.70	0.210	0.367	22.70	21.70	0.105	0.184	0.289
		ANT1	5A	ANT4	66A	25.70	20.00	0.210	0.961	22.70	17.00	0.105	0.482	0.587
		ANT2	5A	ANT1	66A	24.50	25.70	0.760	0.302	21.50	22.70	0.381	0.151	0.532
		ANT2	5A	ANT3	66A	24.50	24.70	0.760	0.367	21.50	21.70	0.381	0.184	0.565
	Body	ANT2	5A	ANT4	66A	24.50	20.00	0.760	0.961	21.50	17.00	0.381	0.482	0.863
		ANT1	5A	ANT2	66A	25.70	17.25	0.610	0.982	22.70	14.25	0.306	0.492	0.798
		ANT1	5A	ANT3	66A	25.70	21.25	0.610	0.945	22.70	18.25	0.306	0.474	0.779
		ANT1	5A	ANT4	66A	25.70	21.00	0.610	0.978	22.70	18.00	0.306	0.490	0.796
		ANT2	5A	ANT1	66A	24.50	17.00	0.487	0.936	21.50	14.00	0.244	0.469	0.713
CA_12A-66A	Head	ANT1	12A	ANT2	66A	24.70	19.00	0.154	0.956	21.70	16.00	0.077	0.479	0.556
		ANT1	12A	ANT3	66A	24.70	24.70	0.154	0.367	21.70	21.70	0.077	0.184	0.261
		ANT1	12A	ANT4	66A	24.70	20.00	0.154	0.961	21.70	17.00	0.077	0.482	0.559
		ANT2	12A	ANT1	66A	23.90	25.70	0.571	0.302	20.90	22.70	0.286	0.151	0.438
		ANT2	12A	ANT3	66A	23.90	24.70	0.571	0.367	20.90	21.70	0.286	0.184	0.470
	Body	ANT2	12A	ANT4	66A	23.90	20.00	0.571	0.961	20.90	17.00	0.286	0.482	0.768
		ANT1	12A	ANT2	66A	25.70	17.25	0.741	0.982	22.70	14.25	0.371	0.492	0.864
		ANT1	12A	ANT3	66A	25.70	21.25	0.741	0.945	22.70	18.25	0.371	0.474	0.845
		ANT1	12A	ANT4	66A	25.70	21.00	0.741	0.978	22.70	18.00	0.371	0.490	0.862
		ANT2	12A	ANT1	66A	23.90	17.00	0.500	0.936	20.90	14.00	0.251	0.469	0.720
CA_13A-66A	Head	ANT2	12A	ANT3	66A	23.90	21.25	0.500	0.945	20.90	18.25	0.251	0.474	0.724
		ANT2	12A	ANT4	66A	23.90	21.00	0.500	0.978	20.90	18.00	0.251	0.490	0.741
	Body	ANT1	13A	ANT2	66A	25.20	19.00	0.229	0.956	22.20	16.00	0.115	0.479	0.594
		ANT1	13A	ANT3	66A	25.20	24.70	0.229	0.367	22.20	21.70	0.115	0.184	0.299
		ANT1	13A	ANT4	66A	25.20	20.00	0.229	0.961	22.20	17.00	0.115	0.482	0.596
		ANT2	13A	ANT1	66A	23.90	25.70	0.594	0.302	20.90	22.70	0.298	0.151	0.449
		ANT2	13A	ANT3	66A	23.90	24.70	0.594	0.367	20.90	21.70	0.298	0.184	0.482
	Body	ANT2	13A	ANT4	66A	23.90	20.00	0.594	0.961	20.90	17.00	0.298	0.482	0.779
		ANT1	13A	ANT2	66A	25.70	17.25	0.637	0.982	22.70	14.25	0.319	0.492	0.811
		ANT1	13A	ANT3	66A	25.70	21.25	0.637	0.945	22.70	18.25	0.319	0.474	0.793
		ANT1	13A	ANT4	66A	25.70	21.00	0.637	0.978	22.70	18.00	0.319	0.490	0.809
		ANT2	13A	ANT1	66A	23.90	17.00	0.419	0.936	20.90	14.00	0.210	0.469	0.679
CA_13A-66A	Head	ANT2	13A	ANT3	66A	23.90	21.25	0.419	0.945	20.90	18.25	0.210	0.474	0.684
		ANT2	13A	ANT4	66A	23.90	21.00	0.419	0.978	20.90	18.00	0.210	0.490	0.700

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	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
	$\leq 0.5^2$		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 <i>powerBoosting-pi2BPSK</i> and if the IE <i>powerBoostPi2BPSK</i> 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 <i>powerBoostPi2BPSK</i> 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_IRB_Left	Edge_IRB_Right	Outer_Full	Inner_Full	Inner_IRB_Left	Inner_IRB_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	108@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	108@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
90MHz	30	DFT-s	2@0	2@215	1@0	1@216	216@0	108@54	1@1	1@215
		CP	2@0	2@215	1@0	1@216	217@0	109@54	1@1	1@215
	60	DFT-s	2@0	2@105	1@0	1@106	100@0	50@25	1@1	1@105
		CP	2@0	2@105	1@0	1@106	107@0	53@26 ¹	1@1	1@105
	15	DFT-s	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
100MHz	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
	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
100MHz	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
	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

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

Maximum Output Power (Tune-up Limit) 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 $\leq$ the larger band to qualify for the SAR test exclusion.
- d) The channel bandwidth and other operating parameters for the smaller band must be fully supported by the larger band.

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

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

SAR measurement is not required for the Pi/2 BPSK, 16QAM, 64QAM and 256QAM. When the highest maximum output power for Pi/2 BPSK, 16QAM, 64QAM and 256QAM is $\leq \frac{1}{2}$ 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)							
		ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
NR n2	QPSK	25.70	16.50	20.00	20.25	24.70	19.50	19.00	20.25
NR n5	QPSK	25.70	25.70	24.50	24.50				
NR n12	QPSK	25.70	25.70	23.90	23.90				
NR n25	QPSK	25.70	16.50	20.00	20.25	24.70	19.50	19.00	20.25
NR n41 (PC3)	QPSK	25.70	20.25	16.50	17.75	24.25	18.00	19.75	20.75
NR n41 (PC2)	QPSK	26.70	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NR n66	QPSK	25.70	17.00	18.50	17.25	24.70	21.25	20.00	21.00
NR n71	QPSK	25.70	25.70	24.50	24.50				
RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT7		ANT8		ANT9		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
NR n77	QPSK	25.70	18.25	20.00	17.50	25.20	19.50	17.50	18.00

NR Band 5 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					166800	167300	167800	MPR	Tune-up Limit	166800	167300	167800	MPR	Tune-up Limit
					834 MHz	836.6 MHz	839 MHz			834 MHz	836.6 MHz	839 MHz		
20 MHz	DFS-s OFDM	QPSK	1	1	25.43			0.0	25.70	25.43			0.0	25.70
			1	1	25.55			0.0	25.70	25.55			0.0	25.70
			1	53	25.70			0.0	25.70	25.70			0.0	25.70
			1	104	25.58			0.0	25.70	25.58			0.0	25.70
			50	0	24.60			1.0	24.70	24.60			1.0	24.70
			50	28	25.70			0.0	25.70	25.70			0.0	25.70
			50	56	24.53			1.0	24.70	24.53			1.0	24.70
			100	0	24.58			1.0	24.70	24.58			1.0	24.70
			16QAM	1	1	24.64			1.0	24.70	24.64			1.0
	64QAM	1	1	22.97			2.5	23.20	22.97			2.5	23.20	
256QAM	1	1	20.97			4.5	21.20	20.97			4.5	21.20		
CP-OFDM	QPSK	1	1	24.11			1.5	24.20	24.11			1.5	24.20	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					166300	167300	168300	MPR	Tune-up Limit	166300	167300	168300	MPR	Tune-up Limit
					831.5 MHz	836.6 MHz	841.5 MHz			831.5 MHz	836.6 MHz	841.5 MHz		
15 MHz	DFS-s OFDM	QPSK	1	1	25.41			0.0	25.70	25.41			0.0	25.70
			1	1	25.69			0.0	25.70	25.69			0.0	25.70
			1	40	25.58			0.0	25.70	25.58			0.0	25.70
			1	77	25.67			0.0	25.70	25.67			0.0	25.70
			36	0	24.52			1.0	24.70	24.52			1.0	24.70
			36	22	25.61			0.0	25.70	25.61			0.0	25.70
			36	43	24.53			1.0	24.70	24.53			1.0	24.70
			75	0	24.53			1.0	24.70	24.53			1.0	24.70
			16QAM	1	1	24.50			1.0	24.70	24.50			1.0
	64QAM	1	1	23.18			2.5	23.20	23.18			2.5	23.20	
256QAM	1	1	21.13			4.5	21.20	21.13			4.5	21.20		
CP-OFDM	QPSK	1	1	24.06			1.5	24.20	24.06			1.5	24.20	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					165800	167300	168800	MPR	Tune-up Limit	165800	167300	168800	MPR	Tune-up Limit
					829 MHz	836.6 MHz	844 MHz			829 MHz	836.6 MHz	844 MHz		
10 MHz	DFS-s OFDM	QPSK	1	1	25.23			0.0	25.70	25.23			0.0	25.70
			1	1	25.45			0.0	25.70	25.45			0.0	25.70
			1	26	25.51			0.0	25.70	25.51			0.0	25.70
			1	50	25.54			0.0	25.70	25.54			0.0	25.70
			25	0	24.62			1.0	24.70	24.62			1.0	24.70
			25	14	25.55			0.0	25.70	25.55			0.0	25.70
			25	27	24.53			1.0	24.70	24.53			1.0	24.70
			50	0	24.66			1.0	24.70	24.66			1.0	24.70
			16QAM	1	1	24.69			1.0	24.70	24.69			1.0
	64QAM	1	1	23.00			2.5	23.20	23.00			2.5	23.20	
256QAM	1	1	21.04			4.5	21.20	21.04			4.5	21.20		
CP-OFDM	QPSK	1	1	24.02			1.5	24.20	24.02			1.5	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	836.6 MHz	846.5 MHz			826.5 MHz	836.6 MHz	846.5 MHz		
5 MHz	DFS-s OFDM	QPSK	1	1	25.33	25.25	25.46	0.0	25.70	25.33	25.25	25.46	0.0	25.70
			1	1	25.55	25.66	25.52	0.0	25.70	25.55	25.66	25.52	0.0	25.70
			1	13	25.66	25.54	25.65	0.0	25.70	25.66	25.54	25.65	0.0	25.70
			1	23	25.56	25.49	25.67	0.0	25.70	25.56	25.49	25.67	0.0	25.70
			12	0	24.55	24.59	24.60	1.0	24.70	24.55	24.59	24.60	1.0	24.70
			12	7	25.67	25.58	25.69	0.0	25.70	25.67	25.58	25.69	0.0	25.70
			12	13	24.45	24.47	24.60	1.0	24.70	24.45	24.47	24.60	1.0	24.70
			25	0	24.49	24.63	24.46	1.0	24.70	24.49	24.63	24.46	1.0	24.70
			16QAM	1	1	24.52	24.50	24.62	1.0	24.70	24.52	24.50	24.62	1.0
	64QAM	1	1	23.00	23.06	23.05	2.5	23.20	23.00	23.06	23.05	2.5	23.20	
256QAM	1	1	21.14	21.16	21.11	4.5	21.20	21.14	21.16	21.11	4.5	21.20		
CP-OFDM	QPSK	1	1	24.02	23.97	24.14	1.5	24.20	24.02	23.97	24.14	1.5	24.20	

NR Band 5 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					166800	167300	167800	MPR	Tune-up Limit	166800	167300	167800	MPR	Tune-up Limit
					834 MHz	836.6 MHz	839 MHz			834 MHz	836.6 MHz	839 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1		24.44		0.0	24.50		24.44		0.0	24.50
			1	1		24.36		0.0	24.50		24.36		0.0	24.50
			1	53		24.50		0.0	24.50		24.50		0.0	24.50
			1	104		24.47		0.0	24.50		24.47		0.0	24.50
			50	0		23.34		1.0	23.50		23.34		1.0	23.50
			50	28		24.50		0.0	24.50		24.50		0.0	24.50
			50	56		23.35		1.0	23.50		23.35		1.0	23.50
			100	0		23.30		1.0	23.50		23.30		1.0	23.50
			16QAM	1	1		23.31	1.0	23.50		23.31	1.0	23.50	
	CP-OFDM	64QAM	1	1		21.86	2.5	22.00		21.86	2.5	22.00		
256QAM		1	1		19.84	4.5	20.00		19.84	4.5	20.00			
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					166300	167300	168300	MPR	Tune-up Limit	166300	167300	168300	MPR	Tune-up Limit
					831.5 MHz	836.6 MHz	841.5 MHz			831.5 MHz	836.6 MHz	841.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1		24.36		0.0	24.50		24.36		0.0	24.50
			1	1		24.39		0.0	24.50		24.39		0.0	24.50
			1	40		24.41		0.0	24.50		24.41		0.0	24.50
			1	77		24.42		0.0	24.50		24.42		0.0	24.50
			36	0		23.48		1.0	23.50		23.48		1.0	23.50
			36	22		24.27		0.0	24.50		24.27		0.0	24.50
			36	43		23.31		1.0	23.50		23.31		1.0	23.50
			75	0		23.31		1.0	23.50		23.31		1.0	23.50
			16QAM	1	1		23.48	1.0	23.50		23.48	1.0	23.50	
	CP-OFDM	64QAM	1	1		21.91	2.5	22.00		21.91	2.5	22.00		
256QAM		1	1		19.89	4.5	20.00		19.89	4.5	20.00			
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					165800	167300	168800	MPR	Tune-up Limit	165800	167300	168800	MPR	Tune-up Limit
					829 MHz	836.6 MHz	844 MHz			829 MHz	836.6 MHz	844 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1		24.43		0.0	24.50		24.43		0.0	24.50
			1	1		24.40		0.0	24.50		24.40		0.0	24.50
			1	26		24.35		0.0	24.50		24.35		0.0	24.50
			1	50		24.41		0.0	24.50		24.41		0.0	24.50
			25	0		23.27		1.0	23.50		23.27		1.0	23.50
			25	14		24.46		0.0	24.50		24.46		0.0	24.50
			25	27		23.49		1.0	23.50		23.49		1.0	23.50
			50	0		23.46		1.0	23.50		23.46		1.0	23.50
			16QAM	1	1		23.34	1.0	23.50		23.34	1.0	23.50	
	CP-OFDM	64QAM	1	1		21.84	2.5	22.00		21.84	2.5	22.00		
256QAM		1	1		19.99	4.5	20.00		19.99	4.5	20.00			
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	836.6 MHz	846.5 MHz			826.5 MHz	836.6 MHz	846.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.43	24.45	24.26	0.0	24.50	24.43	24.45	24.26	0.0	24.50
			1	1	24.25	24.45	24.32	0.0	24.50	24.25	24.45	24.32	0.0	24.50
			1	13	24.37	24.36	24.39	0.0	24.50	24.37	24.36	24.39	0.0	24.50
			1	23	24.41	24.40	24.45	0.0	24.50	24.41	24.40	24.45	0.0	24.50
			12	0	23.28	23.39	23.30	1.0	23.50	23.28	23.39	23.30	1.0	23.50
			12	7	24.40	24.28	24.33	0.0	24.50	24.40	24.28	24.33	0.0	24.50
			12	13	23.34	23.36	23.30	1.0	23.50	23.34	23.36	23.30	1.0	23.50
			25	0	23.34	23.39	23.31	1.0	23.50	23.34	23.39	23.31	1.0	23.50
			16QAM	1	1	23.43	23.48	23.32	1.0	23.50	23.43	23.48	23.32	1.0
	CP-OFDM	64QAM	1	1	21.93	21.98	21.93	2.5	22.00	21.93	21.98	21.93	2.5	22.00
256QAM		1	1	19.83	19.89	19.96	4.5	20.00	19.83	19.89	19.96	4.5	20.00	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	22.96	22.85	22.80	1.5	23.00	22.96	22.85	22.80	1.5	23.00

NR Band 12 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					141300	141500	141700	MPR	Tune-up Limit	141300	141500	141700	MPR	Tune-up Limit
					706.5 MHz	707.5 MHz	708.5 MHz			706.5 MHz	707.5 MHz	708.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1		25.23		0.0	25.70		25.23		0.0	25.70
			1	1		25.45		0.0	25.70		25.45		0.0	25.70
		QPSK	1	40		25.70		0.0	25.70		25.70		0.0	25.70
			1	77		25.65		0.0	25.70		25.65		0.0	25.70
			36	0		24.58		1.0	24.70		24.58		1.0	24.70
			36	22		25.70		0.0	25.70		25.70		0.0	25.70
			36	43		24.60		1.0	24.70		24.60		1.0	24.70
			75	0		24.53		1.0	24.70		24.53		1.0	24.70
		16QAM	1	1		24.55		1.0	24.70		24.55		1.0	24.70
		64QAM	1	1		23.05		2.5	23.20		23.05		2.5	23.20
	256QAM	1	1		21.04		4.5	21.20		21.04		4.5	21.20	
	CP-OFDM	QPSK	1	1		24.16		1.5	24.20		24.16		1.5	24.20
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					140800	141500	142200	MPR	Tune-up Limit	140800	141500	142200	MPR	Tune-up Limit
					704 MHz	707.5 MHz	711 MHz			704 MHz	707.5 MHz	711 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1		25.20		0.0	25.70		25.20		0.0	25.70
			1	1		25.63		0.0	25.70		25.63		0.0	25.70
		QPSK	1	26		25.64		0.0	25.70		25.64		0.0	25.70
			1	50		25.65		0.0	25.70		25.65		0.0	25.70
			25	0		24.69		1.0	24.70		24.69		1.0	24.70
			25	14		25.62		0.0	25.70		25.62		0.0	25.70
			25	27		24.63		1.0	24.70		24.63		1.0	24.70
			50	0		24.58		1.0	24.70		24.58		1.0	24.70
		16QAM	1	1		24.46		1.0	24.70		24.46		1.0	24.70
		64QAM	1	1		23.17		2.5	23.20		23.17		2.5	23.20
	256QAM	1	1		21.11		4.5	21.20		21.11		4.5	21.20	
	CP-OFDM	QPSK	1	1		24.13		1.5	24.20		24.13		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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.30	25.38	25.33	0.0	25.70	25.30	25.38	25.33	0.0	25.70
			1	1	25.54	25.54	25.60	0.0	25.70	25.54	25.54	25.60	0.0	25.70
		QPSK	1	13	25.58	25.61	25.57	0.0	25.70	25.58	25.61	25.57	0.0	25.70
			1	23	25.68	25.52	25.56	0.0	25.70	25.68	25.52	25.56	0.0	25.70
			12	0	24.68	24.65	24.51	1.0	24.70	24.68	24.65	24.51	1.0	24.70
			12	7	25.56	25.64	25.53	0.0	25.70	25.56	25.64	25.53	0.0	25.70
			12	13	24.60	24.60	24.57	1.0	24.70	24.60	24.60	24.57	1.0	24.70
			25	0	24.49	24.69	24.67	1.0	24.70	24.49	24.69	24.67	1.0	24.70
		16QAM	1	1	24.54	24.54	24.60	1.0	24.70	24.54	24.54	24.60	1.0	24.70
		64QAM	1	1	23.13	23.08	23.02	2.5	23.20	23.13	23.08	23.02	2.5	23.20
	256QAM	1	1	21.04	21.12	21.18	4.5	21.20	21.04	21.12	21.18	4.5	21.20	
	CP-OFDM	QPSK	1	1	24.11	24.17	24.04	1.5	24.20	24.11	24.17	24.04	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)				
					141300	141500	141700	MPR	Tune-up Limit	141300	141500	141700	MPR	Tune-up Limit
					706.5 MHz	707.5 MHz	708.5 MHz			706.5 MHz	707.5 MHz	708.5 MHz		
15 MHz	DFS-s OFDM	Pi/2 BPSK	1	1		23.82		0.0	23.90		23.82		0.0	23.90
			1	1		23.83		0.0	23.90		23.83		0.0	23.90
		QPSK	1	40		23.87		0.0	23.90		23.87		0.0	23.90
			1	77		23.70		0.0	23.90		23.70		0.0	23.90
			36	0		22.75		1.0	22.90		22.75		1.0	22.90
			36	22		23.83		0.0	23.90		23.83		0.0	23.90
			36	43		22.66		1.0	22.90		22.66		1.0	22.90
			75	0		22.68		1.0	22.90		22.68		1.0	22.90
			16QAM	1	1	22.72		1.0	22.90		22.72		1.0	22.90
			64QAM	1	1	21.39		2.5	21.40		21.39		2.5	21.40
		256QAM	1	1	19.22		4.5	19.40		19.22		4.5	19.40	
		CP-OFDM	QPSK	1	1	22.19		1.5	22.40		22.19		1.5	22.40
	BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)			
140800						141500	142200	MPR	Tune-up Limit	140800	141500	142200	MPR	Tune-up Limit
704 MHz						707.5 MHz	711 MHz			704 MHz	707.5 MHz	711 MHz		
10 MHz	DFS-s OFDM	Pi/2 BPSK	1	1		23.82		0.0	23.90		23.82		0.0	23.90
			1	1		23.79		0.0	23.90		23.79		0.0	23.90
		QPSK	1	26		23.70		0.0	23.90		23.70		0.0	23.90
			1	50		23.65		0.0	23.90		23.65		0.0	23.90
			25	0		22.75		1.0	22.90		22.75		1.0	22.90
			25	14		23.84		0.0	23.90		23.84		0.0	23.90
			25	27		22.89		1.0	22.90		22.89		1.0	22.90
			50	0		22.88		1.0	22.90		22.88		1.0	22.90
		16QAM	1	1	22.82		1.0	22.90		22.82		1.0	22.90	
		64QAM	1	1	21.27		2.5	21.40		21.27		2.5	21.40	
		256QAM	1	1	19.23		4.5	19.40		19.23		4.5	19.40	
		CP-OFDM	QPSK	1	1	22.20		1.5	22.40		22.20		1.5	22.40
	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 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	23.66	23.82	23.82	0.0	23.90	23.66	23.82	23.82	0.0	23.90
			1	1	23.90	23.74	23.75	0.0	23.90	23.90	23.74	23.75	0.0	23.90
		QPSK	1	13	23.81	23.82	23.84	0.0	23.90	23.81	23.82	23.84	0.0	23.90
			1	23	23.90	23.65	23.88	0.0	23.90	23.90	23.65	23.88	0.0	23.90
			12	0	22.78	22.87	22.69	1.0	22.90	22.78	22.87	22.69	1.0	22.90
			12	7	23.79	23.80	23.67	0.0	23.90	23.79	23.80	23.67	0.0	23.90
			12	13	22.68	22.69	22.70	1.0	22.90	22.68	22.69	22.70	1.0	22.90
			25	0	22.85	22.79	22.72	1.0	22.90	22.85	22.79	22.72	1.0	22.90
		16QAM	1	1	22.81	22.86	22.86	1.0	22.90	22.81	22.86	22.86	1.0	22.90
		64QAM	1	1	21.33	21.19	21.30	2.5	21.40	21.33	21.19	21.30	2.5	21.40
		256QAM	1	1	19.22	19.23	19.27	4.5	19.40	19.22	19.23	19.27	4.5	19.40
		CP-OFDM	QPSK	1	1	22.18	22.24	22.25	1.5	22.40	22.18	22.24	22.25	1.5

NR Band 25 Measured Results (ANT1)

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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.48	25.32	25.41	0.0	25.70	16.45	16.27	16.30	0.0	16.50
			1	1	25.65	25.59	25.67	0.0	25.70	16.36	16.34	16.44	0.0	16.50
		QPSK	1	53	25.56	25.70	25.46	0.0	25.70	16.31	16.50	16.35	0.0	16.50
			1	104	25.47	25.66	25.59	0.0	25.70	16.39	16.41	16.30	0.0	16.50
			50	0	24.62	24.47	24.69	1.0	24.70	16.40	16.33	16.49	0.0	16.50
			50	28	25.55	25.70	25.67	0.0	25.70	16.30	16.50	16.47	0.0	16.50
			50	56	24.64	24.51	24.60	1.0	24.70	16.32	16.32	16.45	0.0	16.50
			100	0	24.50	24.58	24.47	1.0	24.70	16.27	16.33	16.28	0.0	16.50
		16QAM	1	1	24.68	24.49	24.55	1.0	24.70	16.47	16.50	16.49	0.0	16.50
		64QAM	1	1	22.99	23.04	23.05	2.5	23.20	16.29	16.49	16.26	0.0	16.50
		256QAM	1	1	21.11	21.13	21.09	4.5	21.20	16.30	16.49	16.40	0.0	16.50
	CP-OFDM	QPSK	1	1	24.18	24.09	24.14	1.5	24.20	16.27	16.40	16.46	0.0	16.50
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.37	25.41	25.37	0.0	25.70	16.25	16.37	16.38	0.0	16.50
			1	1	25.47	25.58	25.49	0.0	25.70	16.44	16.29	16.43	0.0	16.50
		QPSK	1	40	25.46	25.54	25.49	0.0	25.70	16.30	16.36	16.36	0.0	16.50
			1	77	25.58	25.65	25.52	0.0	25.70	16.48	16.38	16.48	0.0	16.50
			36	0	24.48	24.69	24.48	1.0	24.70	16.27	16.45	16.26	0.0	16.50
			36	22	25.63	25.58	25.49	0.0	25.70	16.29	16.34	16.27	0.0	16.50
			36	43	24.69	24.65	24.69	1.0	24.70	16.33	16.30	16.36	0.0	16.50
			75	0	24.53	24.52	24.58	1.0	24.70	16.31	16.43	16.47	0.0	16.50
		16QAM	1	1	24.60	24.66	24.59	1.0	24.70	16.28	16.35	16.46	0.0	16.50
		64QAM	1	1	23.15	23.02	23.08	2.5	23.20	16.45	16.31	16.26	0.0	16.50
		256QAM	1	1	21.04	21.00	21.16	4.5	21.20	16.44	16.43	16.28	0.0	16.50
	CP-OFDM	QPSK	1	1	24.13	24.15	24.20	1.5	24.20	16.36	16.26	16.41	0.0	16.50
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		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.25	25.22	25.45	0.0	25.70	16.44	16.49	16.27	0.0	16.50
			1	1	25.53	25.69	25.66	0.0	25.70	16.44	16.48	16.41	0.0	16.50
		QPSK	1	26	25.56	25.49	25.46	0.0	25.70	16.49	16.28	16.29	0.0	16.50
			1	50	25.69	25.53	25.65	0.0	25.70	16.34	16.36	16.41	0.0	16.50
			25	0	24.58	24.69	24.69	1.0	24.70	16.46	16.33	16.40	0.0	16.50
			25	14	25.69	25.51	25.61	0.0	25.70	16.47	16.42	16.49	0.0	16.50
			25	27	24.62	24.52	24.58	1.0	24.70	16.28	16.35	16.41	0.0	16.50
			50	0	24.65	24.49	24.69	1.0	24.70	16.40	16.41	16.34	0.0	16.50
		16QAM	1	1	24.46	24.48	24.68	1.0	24.70	16.31	16.37	16.39	0.0	16.50
		64QAM	1	1	23.12	22.98	22.97	2.5	23.20	16.37	16.49	16.36	0.0	16.50
		256QAM	1	1	21.14	21.17	21.00	4.5	21.20	16.44	16.33	16.41	0.0	16.50
	CP-OFDM	QPSK	1	1	24.06	24.05	24.01	1.5	24.20	16.29	16.33	16.26	0.0	16.50
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.46	25.27	25.46	0.0	25.70	16.41	16.38	16.40	0.0	16.50
			1	1	25.58	25.50	25.67	0.0	25.70	16.38	16.30	16.33	0.0	16.50
		QPSK	1	13	25.64	25.57	25.55	0.0	25.70	16.28	16.41	16.28	0.0	16.50
			1	23	25.62	25.68	25.46	0.0	25.70	16.44	16.37	16.38	0.0	16.50
			12	0	24.66	24.52	24.56	1.0	24.70	16.40	16.28	16.41	0.0	16.50
			12	7	25.50	25.63	25.59	0.0	25.70	16.43	16.32	16.36	0.0	16.50
			12	13	24.50	24.55	24.67	1.0	24.70	16.37	16.46	16.42	0.0	16.50
			25	0	24.47	24.53	24.63	1.0	24.70	16.43	16.31	16.38	0.0	16.50
		16QAM	1	1	24.66	24.49	24.65	1.0	24.70	16.34	16.47	16.39	0.0	16.50
		64QAM	1	1	23.06	23.10	23.15	2.5	23.20	16.26	16.29	16.36	0.0	16.50
		256QAM	1	1	21.11	21.03	21.01	4.5	21.20	16.44	16.47	16.43	0.0	16.50
	CP-OFDM	QPSK	1	1	24.00	24.08	24.03	1.5	24.20	16.27	16.49	16.47	0.0	16.50

NR Band 25 Measured Results (ANT2)

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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.95	19.71	19.89	0.0	20.00	20.17	20.18	20.17	0.0	20.25
			1	1	19.99	19.94	19.95	0.0	20.00	20.04	20.11	20.08	0.0	20.25
			1	53	20.00	20.00	20.00	0.0	20.00	20.25	20.25	20.25	0.0	20.25
			1	104	19.90	19.94	19.88	0.0	20.00	20.06	20.09	20.15	0.0	20.25
			50	0	19.75	19.84	19.97	0.0	20.00	20.03	20.14	20.12	0.0	20.25
			50	28	20.00	20.00	20.00	0.0	20.00	20.13	20.25	20.23	0.0	20.25
			50	56	19.80	19.80	20.00	0.0	20.00	20.01	20.10	20.20	0.0	20.25
		100	0	19.77	19.88	19.84	0.0	20.00	20.02	20.17	20.08	0.0	20.25	
		16QAM	1	1	19.99	19.87	19.85	0.0	20.00	20.02	20.21	20.08	0.0	20.25
	64QAM	1	1	19.85	19.81	19.97	0.0	20.00	20.13	20.02	20.18	0.0	20.25	
256QAM	1	1	19.77	19.82	19.97	0.0	20.00	20.04	20.04	20.24	0.0	20.25		
CP-OFDM	QPSK	1	1	19.79	19.76	19.77	0.0	20.00	20.06	20.04	20.17	0.0	20.25	
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.83	19.87	19.98	0.0	20.00	20.16	20.10	20.09	0.0	20.25
			1	1	19.82	19.83	19.81	0.0	20.00	20.11	20.06	20.17	0.0	20.25
			1	40	19.96	19.78	19.80	0.0	20.00	20.15	20.19	20.14	0.0	20.25
			1	77	19.93	19.97	19.82	0.0	20.00	20.04	20.04	20.18	0.0	20.25
			36	0	19.79	19.77	19.79	0.0	20.00	20.20	20.11	20.25	0.0	20.25
			36	22	19.97	19.76	19.98	0.0	20.00	20.04	20.16	20.20	0.0	20.25
			36	43	19.83	19.91	19.94	0.0	20.00	20.09	20.05	20.13	0.0	20.25
		75	0	19.76	19.82	19.92	0.0	20.00	20.06	20.12	20.03	0.0	20.25	
		16QAM	1	1	19.80	19.78	19.78	0.0	20.00	20.04	20.12	20.24	0.0	20.25
	64QAM	1	1	19.83	19.95	19.87	0.0	20.00	20.19	20.00	20.01	0.0	20.25	
256QAM	1	1	19.84	19.95	19.95	0.0	20.00	20.02	20.16	20.12	0.0	20.25		
CP-OFDM	QPSK	1	1	19.76	19.83	19.94	0.0	20.00	20.02	20.06	20.06	0.0	20.25	
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		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.90	19.92	19.73	0.0	20.00	20.06	20.23	20.13	0.0	20.25
			1	1	19.86	19.88	19.99	0.0	20.00	20.12	20.20	20.07	0.0	20.25
			1	26	19.92	19.91	19.96	0.0	20.00	20.10	20.01	20.22	0.0	20.25
			1	50	19.97	19.91	19.85	0.0	20.00	20.20	20.01	20.04	0.0	20.25
			25	0	19.91	19.96	19.94	0.0	20.00	20.03	20.09	20.08	0.0	20.25
			25	14	19.78	19.80	19.95	0.0	20.00	20.02	20.25	20.12	0.0	20.25
			25	27	19.95	19.97	19.98	0.0	20.00	20.04	20.16	20.06	0.0	20.25
		50	0	19.79	19.83	19.83	0.0	20.00	20.24	20.02	20.13	0.0	20.25	
		16QAM	1	1	19.89	19.82	19.92	0.0	20.00	20.18	20.04	20.06	0.0	20.25
	64QAM	1	1	19.88	19.98	19.93	0.0	20.00	20.11	20.20	20.23	0.0	20.25	
256QAM	1	1	19.84	19.86	19.82	0.0	20.00	20.14	20.16	20.06	0.0	20.25		
CP-OFDM	QPSK	1	1	19.84	19.81	19.87	0.0	20.00	20.25	20.22	20.07	0.0	20.25	
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.97	19.82	19.74	0.0	20.00	19.99	20.03	20.02	0.0	20.25
			1	1	19.78	19.82	19.93	0.0	20.00	20.05	20.21	20.13	0.0	20.25
			1	13	19.95	19.98	19.98	0.0	20.00	20.08	20.17	20.01	0.0	20.25
			1	23	19.91	19.86	19.95	0.0	20.00	20.12	20.04	20.10	0.0	20.25
			12	0	19.82	19.84	19.99	0.0	20.00	20.18	20.22	20.15	0.0	20.25
			12	7	19.95	19.84	19.93	0.0	20.00	20.15	20.08	20.10	0.0	20.25
			12	13	19.79	19.99	19.85	0.0	20.00	20.03	20.00	20.14	0.0	20.25
		25	0	19.78	19.96	19.98	0.0	20.00	20.05	20.14	20.17	0.0	20.25	
		16QAM	1	1	19.93	19.95	19.94	0.0	20.00	20.09	20.04	20.16	0.0	20.25
	64QAM	1	1	19.92	19.93	19.76	0.0	20.00	20.13	20.09	20.21	0.0	20.25	
256QAM	1	1	19.86	19.95	19.86	0.0	20.00	20.04	20.11	20.11	0.0	20.25		
CP-OFDM	QPSK	1	1	19.93	19.78	19.93	0.0	20.00	20.05	20.21	20.14	0.0	20.25	

NR Band 25 Measured Results (ANT3)

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 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	24.46	24.40	24.53	0	24.70	19.32	19.47	19.35	0	19.50
			1	1	24.61	24.62	24.54	0	24.70	19.47	19.30	19.46	0	19.50
		QPSK	1	53	24.68	24.70	24.58	0	24.70	19.37	19.50	19.38	0	19.50
			1	104	24.55	24.45	24.48	0	24.70	19.34	19.45	19.33	0	19.50
			50	0	23.57	23.64	23.56	1	23.70	19.31	19.46	19.33	0	19.50
			50	28	24.60	24.70	24.61	0	24.70	19.34	19.50	19.47	0	19.50
			50	56	23.50	23.57	23.54	1	23.70	19.45	19.32	19.46	0	19.50
			100	0	23.59	23.51	23.63	1	23.70	19.48	19.36	19.40	0	19.50
			16QAM	1	1	23.65	23.46	23.56	1	23.70	18.47	18.27	18.44	1
		64QAM	1	1	21.99	22.09	22.02	2.5	22.20	16.97	16.95	16.76	2.5	17.00
		256QAM	1	1	20.03	20.19	20.04	4.5	20.20	14.92	14.96	14.91	4.5	15.00
	CP-OFDM	QPSK	1	1	23.19	23.18	23.11	1.5	23.20	17.84	17.86	17.96	1.5	18.00
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 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	24.62	24.47	24.46	0	24.70	19.30	19.47	19.29	0	19.50
			1	1	24.59	24.46	24.61	0	24.70	19.45	19.48	19.40	0	19.50
		QPSK	1	40	24.58	24.68	24.69	0	24.70	19.39	19.30	19.33	0	19.50
			1	77	24.63	24.58	24.64	0	24.70	19.48	19.38	19.42	0	19.50
			36	0	23.50	23.47	23.66	1	23.70	19.50	19.48	19.25	0	19.50
			36	22	24.57	24.58	24.56	0	24.70	19.39	19.39	19.48	0	19.50
			36	43	23.50	23.54	23.59	1	23.70	19.33	19.31	19.40	0	19.50
			75	0	23.54	23.65	23.46	1	23.70	19.31	19.34	19.42	0	19.50
			16QAM	1	1	23.55	23.47	23.61	1	23.70	18.38	18.27	18.43	1
		64QAM	1	1	22.16	21.97	22.13	2.5	22.20	16.94	16.98	16.90	2.5	17.00
		256QAM	1	1	19.98	20.09	19.97	4.5	20.20	14.82	14.97	14.76	4.5	15.00
	CP-OFDM	QPSK	1	1	23.00	22.96	23.04	1.5	23.20	17.92	17.99	17.92	1.5	18.00
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		
15 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	24.53	24.60	24.45	0	24.70	19.39	19.47	19.23	0	19.50
			1	1	24.50	24.48	24.61	0	24.70	19.45	19.34	19.47	0	19.50
		QPSK	1	26	24.62	24.45	24.50	0	24.70	19.41	19.35	19.39	0	19.50
			1	50	24.67	24.53	24.57	0	24.70	19.27	19.31	19.32	0	19.50
			25	0	23.62	23.55	23.67	1	23.70	19.47	19.35	19.45	0	19.50
			25	14	24.61	24.70	24.64	0	24.70	19.43	19.43	19.30	0	19.50
			25	27	23.68	23.63	23.46	1	23.70	19.47	19.43	19.27	0	19.50
			50	0	23.53	23.57	23.60	1	23.70	19.46	19.32	19.47	0	19.50
			16QAM	1	1	23.47	23.69	23.49	1	23.70	18.28	18.42	18.44	1
		64QAM	1	1	21.98	21.98	22.11	2.5	22.20	16.95	16.91	16.84	2.5	17.00
		256QAM	1	1	20.08	20.13	20.00	4.5	20.20	14.79	14.85	14.76	4.5	15.00
	CP-OFDM	QPSK	1	1	22.97	23.03	23.11	1.5	23.20	17.95	17.98	17.96	1.5	18.00
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 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	24.62	24.44	24.65	0	24.70	19.49	19.35	19.49	0	19.50
			1	1	24.56	24.57	24.52	0	24.70	19.46	19.35	19.48	0	19.50
		QPSK	1	13	24.60	24.55	24.62	0	24.70	19.37	19.27	19.42	0	19.50
			1	23	24.65	24.68	24.65	0	24.70	19.25	19.31	19.29	0	19.50
			12	0	23.61	23.50	23.68	1	23.70	19.48	19.36	19.45	0	19.50
			12	7	24.50	24.48	24.58	0	24.70	19.40	19.27	19.46	0	19.50
			12	13	23.48	23.62	23.59	1	23.70	19.48	19.29	19.35	0	19.50
			25	0	23.52	23.57	23.68	1	23.70	19.33	19.47	19.29	0	19.50
			16QAM	1	1	23.47	23.52	23.51	1	23.70	18.40	18.25	18.36	1
		64QAM	1	1	22.04	21.98	22.03	2.5	22.20	16.82	16.76	16.92	2.5	17.00
		256QAM	1	1	20.18	20.16	19.98	4.5	20.20	14.84	14.77	14.82	4.5	15.00
	CP-OFDM	QPSK	1	1	23.20	23.03	22.96	1.5	23.20	17.98	17.95	17.76	1.5	18.00

NR Band 25 Measured Results (ANT4)

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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.81	18.85	18.72	0	19.00	20.04	20.04	20.18	0	20.25
			1	1	18.98	18.77	18.86	0	19.00	20.01	20.11	20.03	0	20.25
		QPSK	1	53	19.00	19.00	19.00	0	19.00	20.19	20.25	20.20	0	20.25
			1	104	18.82	18.80	18.98	0	19.00	20.00	20.18	20.18	0	20.25
			50	0	18.82	18.89	18.93	0	19.00	20.13	20.07	20.07	0	20.25
			50	28	18.85	19.00	19.00	0	19.00	20.22	20.20	20.04	0	20.25
			50	56	18.81	18.85	18.88	0	19.00	20.05	20.00	20.06	0	20.25
			100	0	18.97	19.00	18.89	0	19.00	20.09	20.25	20.24	0	20.25
		16QAM	1	1	18.85	18.80	18.88	0	19.00	20.09	20.18	20.05	0	20.25
	64QAM	1	1	18.93	18.91	18.90	0	19.00	20.19	20.07	20.05	0	20.25	
256QAM	1	1	18.91	18.89	18.81	0	19.00	20.06	20.07	20.18	0	20.25		
CP-OFDM	QPSK	1	1	18.82	18.99	18.99	0	19.00	20.16	20.01	20.16	0	20.25	
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.96	18.99	18.91	0	19.00	20.01	20.05	20.19	0	20.25
			1	1	18.90	18.95	18.76	0	19.00	20.25	20.02	20.10	0	20.25
		QPSK	1	40	18.93	18.92	18.90	0	19.00	20.05	20.19	20.08	0	20.25
			1	77	18.85	18.88	18.80	0	19.00	20.09	20.23	20.21	0	20.25
			36	0	18.91	18.84	18.97	0	19.00	20.12	20.08	20.22	0	20.25
			36	22	18.86	18.90	18.76	0	19.00	20.09	20.24	20.11	0	20.25
			36	43	18.81	18.77	18.96	0	19.00	20.09	20.09	20.24	0	20.25
			75	0	18.88	18.83	18.85	0	19.00	20.20	20.01	20.10	0	20.25
		16QAM	1	1	18.75	18.84	18.98	0	19.00	20.01	20.03	20.16	0	20.25
	64QAM	1	1	18.90	18.94	18.77	0	19.00	20.10	20.24	20.09	0	20.25	
256QAM	1	1	18.79	18.86	18.94	0	19.00	20.04	20.25	20.04	0	20.25		
CP-OFDM	QPSK	1	1	18.84	18.83	18.84	0	19.00	20.03	20.16	20.22	0	20.25	
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		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.84	18.83	18.77	0	19.00	20.07	20.03	20.23	0	20.25
			1	1	18.88	18.85	18.87	0	19.00	20.18	20.11	20.13	0	20.25
		QPSK	1	26	18.96	18.82	18.98	0	19.00	20.01	20.11	20.20	0	20.25
			1	50	18.83	18.98	18.78	0	19.00	20.24	20.25	20.08	0	20.25
			25	0	18.78	18.87	18.91	0	19.00	20.09	20.07	20.15	0	20.25
			25	14	18.95	18.82	18.97	0	19.00	20.11	20.00	20.01	0	20.25
			25	27	18.99	18.95	18.92	0	19.00	20.09	20.23	20.15	0	20.25
			50	0	18.82	18.93	18.77	0	19.00	20.13	20.05	20.09	0	20.25
		16QAM	1	1	18.85	18.76	18.86	0	19.00	20.08	20.05	20.06	0	20.25
	64QAM	1	1	18.81	18.91	18.76	0	19.00	20.01	20.05	20.11	0	20.25	
256QAM	1	1	18.98	18.89	18.81	0	19.00	20.01	20.10	20.04	0	20.25		
CP-OFDM	QPSK	1	1	18.86	18.83	18.78	0	19.00	20.09	20.15	20.01	0	20.25	
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.98	18.84	18.88	0	19.00	20.04	20.06	20.20	0	20.25
			1	1	18.99	18.77	18.78	0	19.00	20.08	20.14	20.18	0	20.25
		QPSK	1	13	18.91	18.84	18.88	0	19.00	20.13	20.02	20.11	0	20.25
			1	23	18.80	18.88	18.85	0	19.00	20.03	20.11	20.14	0	20.25
			12	0	18.89	18.78	18.92	0	19.00	20.24	20.07	20.15	0	20.25
			12	7	18.78	18.81	18.92	0	19.00	20.12	20.00	20.20	0	20.25
			12	13	18.94	18.77	18.81	0	19.00	20.08	20.11	20.10	0	20.25
			25	0	18.88	18.86	19.00	0	19.00	20.07	20.20	20.16	0	20.25
		16QAM	1	1	18.81	18.85	18.96	0	19.00	20.07	20.04	20.21	0	20.25
		64QAM	1	1	18.76	18.95	18.83	0	19.00	20.20	20.07	20.01	0	20.25
		256QAM	1	1	18.92	18.84	18.86	0	19.00	20.04	20.11	20.10	0	20.25
	CP-OFDM	QPSK	1	1	18.99	18.93	18.86	0	19.00	20.15	20.11	20.18	0	20.25

NR Band 41 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					509200	513900	518600	523300	528000	MFR	Tune-up Limit	509200	513900	518600	523300	528000	MFR	Tune-up Limit
					2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz			2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz		
100 MHz	DFS-s OFDM	QPSK	1	1			25.27			0.0	25.70			20.19			0.0	20.25
			1	1			25.48			0.0	25.70			20.06			0.0	20.25
			1	137			25.70			0.0	25.70			20.25			0.0	20.25
			1	271			25.56			0.0	25.70			20.18			0.0	20.25
			135	0			24.63			1.0	24.70			20.14			0.0	20.25
			135	69			25.62			0.0	25.70			20.07			0.0	20.25
			135	138			24.47			1.0	24.70			20.07			0.0	20.25
			270	0			24.51			1.0	24.70			20.18			0.0	20.25
			16QAM	1	1		24.55			1.0	24.70			20.23			0.0	20.25
			64QAM	1	1		23.09			2.5	23.20			20.08			0.0	20.25
			256QAM	1	1		21.09			4.5	21.20			20.04			0.0	20.25
			CP-OFDM	QPSK	1	1	24.00			1.5	24.20			20.13			0.0	20.25
90 MHz	DFS-s OFDM	QPSK	1	1			25.42			0.0	25.70			20.25			0.0	20.25
			1	1			25.69			0.0	25.70			20.08			0.0	20.25
			1	123			25.68			0.0	25.70			20.07			0.0	20.25
			1	243			25.62			0.0	25.70			20.09			0.0	20.25
			120	0			24.53			1.0	24.70			20.13			0.0	20.25
			120	63			25.63			0.0	25.70			20.15			0.0	20.25
			120	125			24.70			1.0	24.70			20.16			0.0	20.25
			243	0			24.48			1.0	24.70			20.01			0.0	20.25
			16QAM	1	1		24.55			1.0	24.70			20.08			0.0	20.25
			64QAM	1	1		23.13			2.5	23.20			20.15			0.0	20.25
			256QAM	1	1		20.98			4.5	21.20			20.16			0.0	20.25
			CP-OFDM	QPSK	1	1	24.16			1.5	24.20			20.09			0.0	20.25
80 MHz	DFS-s OFDM	QPSK	1	1			25.25			0.0	25.70			20.19			0.0	20.25
			1	1			25.49			0.0	25.70			20.01			0.0	20.25
			1	109			25.54			0.0	25.70			20.01			0.0	20.25
			1	215			25.69			0.0	25.70			20.02			0.0	20.25
			108	0			24.53			1.0	24.70			20.13			0.0	20.25
			108	55			25.51			0.0	25.70			20.23			0.0	20.25
			108	109			24.70			1.0	24.70			20.04			0.0	20.25
			216	0			24.67			1.0	24.70			20.00			0.0	20.25
			16QAM	1	1		24.58			1.0	24.70			20.08			0.0	20.25
			64QAM	1	1		23.13			2.5	23.20			20.24			0.0	20.25
			256QAM	1	1		21.12			4.5	21.20			20.10			0.0	20.25
			CP-OFDM	QPSK	1	1	24.13			1.5	24.20			20.17			0.0	20.25
60 MHz	DFS-s OFDM	QPSK	1	1			25.27			0.0	25.70			20.21			0.0	20.25
			1	1			25.46			0.0	25.70			20.18			0.0	20.25
			1	81			25.55			0.0	25.70			20.22			0.0	20.25
			1	160			25.68			0.0	25.70			20.15			0.0	20.25
			81	0			24.65			1.0	24.70			20.21			0.0	20.25
			81	40			25.62			0.0	25.70			20.04			0.0	20.25
			81	81			24.62			1.0	24.70			20.17			0.0	20.25
			162	0			24.57			1.0	24.70			20.24			0.0	20.25
			16QAM	1	1		24.63			1.0	24.70			20.01			0.0	20.25
			64QAM	1	1		22.95			2.5	23.20			20.08			0.0	20.25
			256QAM	1	1		21.18			4.5	21.20			20.07			0.0	20.25
			CP-OFDM	QPSK	1	1	24.06			1.5	24.20			20.23			0.0	20.25
50 MHz	DFS-s OFDM	QPSK	1	1			25.45			0.0	25.70			20.11			0.0	20.25
			1	1			25.49			0.0	25.70			20.11			0.0	20.25
			1	67			25.63			0.0	25.70			20.11			0.0	20.25
			1	131			25.52			0.0	25.70			20.06			0.0	20.25
			64	0			24.59			1.0	24.70			20.10			0.0	20.25
			64	35			25.62			0.0	25.70			20.12			0.0	20.25
			64	69			24.52			1.0	24.70			20.21			0.0	20.25
			128	0			24.52			1.0	24.70			20.02			0.0	20.25
			16QAM	1	1		24.56			1.0	24.70			20.22			0.0	20.25
			64QAM	1	1		22.96			2.5	23.20			20.06			0.0	20.25
			256QAM	1	1		21.01			4.5	21.20			20.22			0.0	20.25
			CP-OFDM	QPSK	1	1	24.17			1.5	24.20			20.07			0.0	20.25

NR Band 41 Measured Results (ANT1) (continued)

Table 4-12: Modulated Resource Blocks (MFRBs) (Continued)																				
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)								Power Mode B (dBm)							
					503200 2516 MHz	510900 2554.5 MHz	518600 2593 MHz	526300 2631.5 MHz	534000 2670 MHz	MFR	Tune-up Limit	503200 2516 MHz	510900 2554.5 MHz	518600 2593 MHz	526300 2631.5 MHz	534000 2670 MHz	MFR	Tune-up Limit		
40 MHz	DFS-s OFDM	P/2 BPSK	1	1	25.25	25.24	25.34	25.41	25.47	0.0	25.70	20.17	20.16	20.06	20.18	20.05	0.0	20.25		
			1	1	25.55	25.55	25.47	25.64	25.49	0.0	25.70	20.04	20.03	20.07	20.06	20.20	0.0	20.25		
		QPSK	1	53	25.65	25.56	25.52	25.58	25.48	0.0	25.70	20.22	20.10	20.00	20.02	20.14	0.0	20.25		
			1	104	25.50	25.55	25.55	25.47	25.52	0.0	25.70	20.17	20.16	20.23	20.03	20.10	0.0	20.25		
			50	0	24.52	24.67	24.56	24.56	24.48	1.0	24.70	20.06	20.14	20.20	20.02	20.22	0.0	20.25		
			50	28	25.53	25.53	25.49	25.47	25.46	0.0	25.70	20.14	20.25	20.13	20.17	20.16	0.0	20.25		
			50	56	24.61	24.67	24.66	24.64	24.46	1.0	24.70	20.07	20.08	20.02	20.12	20.22	0.0	20.25		
			100	0	24.67	24.59	24.59	24.68	24.52	1.0	24.70	20.03	20.18	20.00	20.10	20.14	0.0	20.25		
			16QAM	1	1	24.57	24.64	24.66	24.51	24.56	1.0	24.70	20.11	20.02	20.11	20.00	20.02	0.0	20.25	
			64QAM	1	1	23.11	23.10	23.15	23.04	23.06	2.5	23.20	20.14	20.10	20.10	20.08	20.05	0.0	20.25	
		256QAM	1	1	21.01	21.16	21.17	21.00	21.16	4.5	21.20	20.21	20.17	20.17	20.15	20.05	0.0	20.25		
		CP-OFDM	QPSK	1	1	23.99	24.13	24.00	24.15	24.06	1.5	24.20	20.22	20.23	20.17	20.07	20.00	0.0	20.25	
	20 MHz	DFS-s OFDM	P/2 BPSK	1	1	25.30	25.34	25.24	25.21	25.21	0.0	25.70	20.21	20.14	20.20	20.24	20.24	0.0	20.25	
1				1	25.48	25.53	25.51	25.68	25.61	0.0	25.70	20.09	20.19	20.19	20.08	20.10	0.0	20.25		
QPSK			1	26	25.63	25.70	25.57	25.59	25.63	0.0	25.70	20.10	20.15	20.14	20.02	20.23	0.0	20.25		
			1	49	25.47	25.46	25.54	25.63	25.59	0.0	25.70	20.05	20.08	20.11	20.10	20.01	0.0	20.25		
			25	0	24.63	24.51	24.68	24.62	24.58	1.0	24.70	20.04	20.02	20.01	20.06	20.18	0.0	20.25		
			25	13	25.68	25.54	25.55	25.56	25.62	0.0	25.70	20.14	20.00	20.09	20.08	20.07	0.0	20.25		
			25	26	24.65	24.66	24.59	24.55	24.68	1.0	24.70	20.01	20.05	20.08	20.05	20.23	0.0	20.25		
			50	0	24.53	24.46	24.65	24.66	24.52	1.0	24.70	20.12	20.04	20.23	20.17	20.19	0.0	20.25		
			16QAM	1	1	24.68	24.47	24.59	24.51	24.49	1.0	24.70	20.00	20.16	20.18	20.12	20.10	0.0	20.25	
			64QAM	1	1	23.14	22.99	23.20	23.06	23.06	2.5	23.20	20.00	20.14	20.19	20.11	20.01	0.0	20.25	
256QAM			1	1	21.02	21.02	20.96	20.97	21.09	4.5	21.20	20.09	20.23	20.13	20.20	20.13	0.0	20.25		
CP-OFDM			QPSK	1	1	23.98	24.11	24.10	24.19	24.04	1.5	24.20	20.22	20.15	20.15	20.06	20.23	0.0	20.25	

NR Band 41 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					509200	513900	518600	523300	528000	MFR	Tune-up Limit	509200	513900	518600	523300	528000	MFR	Tune-up Limit
					2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz			2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz		
100 MHz	DFS-s OFDM	P2 BPSK	1	1			16.30			0.0	16.50			17.71			0.0	17.75
			1	1			16.37			0.0	16.50			17.50			0.0	17.75
			1	137			16.50			0.0	16.50			17.75			0.0	17.75
			1	271			16.36			0.0	16.50			17.54			0.0	17.75
			135	0			16.29			0.0	16.50			17.67			0.0	17.75
			135	69			16.44			0.0	16.50			17.52			0.0	17.75
			135	138			16.38			0.0	16.50			17.63			0.0	17.75
			270	0			16.39			0.0	16.50			17.66			0.0	17.75
		QPSK	1	1			16.45			0.0	16.50			17.73			0.0	17.75
			1	1			16.27			0.0	16.50			17.53			0.0	17.75
			1	1			16.26			0.0	16.50			17.61			0.0	17.75
			1	1			16.49			0.0	16.50			17.57			0.0	17.75
		CP-OFDM	QPSK	1	1					0.0	16.50							
90 MHz	DFS-s OFDM	P2 BPSK	1	1			16.42			0.0	16.50			17.74			0.0	17.75
			1	1			16.48			0.0	16.50			17.54			0.0	17.75
			1	123			16.46			0.0	16.50			17.57			0.0	17.75
			1	243			16.35			0.0	16.50			17.64			0.0	17.75
			120	0			16.36			0.0	16.50			17.75			0.0	17.75
			120	63			16.33			0.0	16.50			17.74			0.0	17.75
			120	125			16.26			0.0	16.50			17.58			0.0	17.75
			243	0			16.31			0.0	16.50			17.72			0.0	17.75
		QPSK	1	1			16.33			0.0	16.50			17.65			0.0	17.75
			1	1			16.44			0.0	16.50			17.64			0.0	17.75
			1	1			16.41			0.0	16.50			17.73			0.0	17.75
			1	1			16.27			0.0	16.50			17.73			0.0	17.75
		CP-OFDM	QPSK	1	1					0.0	16.50							
80 MHz	DFS-s OFDM	P2 BPSK	1	1			16.47			0.0	16.50			17.49			0.0	17.75
			1	1			16.27			0.0	16.50			17.56			0.0	17.75
			1	109			16.39			0.0	16.50			17.56			0.0	17.75
			1	215			16.34			0.0	16.50			17.56			0.0	17.75
			108	0			16.35			0.0	16.50			17.67			0.0	17.75
			108	55			16.31			0.0	16.50			17.66			0.0	17.75
			108	109			16.37			0.0	16.50			17.65			0.0	17.75
			216	0			16.39			0.0	16.50			17.73			0.0	17.75
		QPSK	1	1			16.30			0.0	16.50			17.73			0.0	17.75
			1	1			16.48			0.0	16.50			17.66			0.0	17.75
			1	1			16.35			0.0	16.50			17.52			0.0	17.75
			1	1			16.50			0.0	16.50			17.65			0.0	17.75
		CP-OFDM	QPSK	1	1					0.0	16.50							
60 MHz	DFS-s OFDM	P2 BPSK	1	1			16.34			0.0	16.50			17.57			0.0	17.75
			1	1			16.36			0.0	16.50			17.53			0.0	17.75
			1	81			16.44			0.0	16.50			17.55			0.0	17.75
			1	160			16.33			0.0	16.50			17.61			0.0	17.75
			81	0			16.47			0.0	16.50			17.73			0.0	17.75
			81	40			16.26			0.0	16.50			17.74			0.0	17.75
			81	81			16.41			0.0	16.50			17.53			0.0	17.75
			162	0			16.36			0.0	16.50			17.62			0.0	17.75
		QPSK	1	1			16.37			0.0	16.50			17.73			0.0	17.75
			1	1			16.38			0.0	16.50			17.52			0.0	17.75
			1	1			16.48			0.0	16.50			17.63			0.0	17.75
			1	1			16.43			0.0	16.50			17.69			0.0	17.75
		CP-OFDM	QPSK	1	1					0.0	16.50							
50 MHz	DFS-s OFDM	P2 BPSK	1	1			16.40			0.0	16.50			17.45			0.0	17.75
			1	1			16.28			0.0	16.50			17.70			0.0	17.75
			1	67			16.40			0.0	16.50			17.75			0.0	17.75
			1	131			16.36			0.0	16.50			17.53			0.0	17.75
			64	0			16.41			0.0	16.50			17.72			0.0	17.75
			64	35			16.28			0.0	16.50			17.61			0.0	17.75
			64	69			16.31			0.0	16.50			17.58			0.0	17.75
			128	0			16.37			0.0	16.50			17.72			0.0	17.75
		QPSK	1	1			16.28			0.0	16.50			17.73			0.0	17.75
			1	1			16.34			0.0	16.50			17.51			0.0	17.75
			1	1			16.39			0.0	16.50			17.73			0.0	17.75
			1	1			16.47			0.0	16.50			17.63			0.0	17.75
		CP-OFDM	QPSK	1	1					0.0	16.50							

NR Band 41 Measured Results (ANT2) (continued)

Power Mode A (dBm)																			Power Mode B (dBm)									
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	503200	510900	518600	526300	534000	MFR	Tune-up Limit	503200	510900	518600	526300	534000	MFR	Tune-up Limit										
					2516 MHz	2554.5 MHz	2593 MHz	2631.5 MHz	2670 MHz			2516 MHz	2554.5 MHz	2593 MHz	2631.5 MHz	2670 MHz												
40 MHz	DFS-s OFDM	P/2 BPSK	1	1	16.37	16.35	16.49	16.44	16.38	0.0	16.50	17.61	17.54	17.68	17.52	17.50	0.0	17.75										
			1	1	16.25	16.43	16.27	16.26	16.35	0.0	16.50	17.67	17.54	17.70	17.69	17.55	0.0	17.75										
		QPSK	1	53	16.49	16.37	16.29	16.29	16.44	0.0	16.50	17.50	17.65	17.74	17.50	17.65	0.0	17.75										
			1	104	16.25	16.33	16.45	16.29	16.37	0.0	16.50	17.69	17.68	17.53	17.64	17.51	0.0	17.75										
			50	0	16.33	16.38	16.30	16.37	16.28	0.0	16.50	17.55	17.53	17.60	17.67	17.64	0.0	17.75										
			50	28	16.48	16.49	16.39	16.47	16.34	0.0	16.50	17.53	17.69	17.59	17.69	17.51	0.0	17.75										
			50	56	16.46	16.38	16.36	16.43	16.35	0.0	16.50	17.73	17.75	17.65	17.72	17.66	0.0	17.75										
			100	0	16.37	16.37	16.33	16.37	16.27	0.0	16.50	17.65	17.54	17.54	17.73	17.64	0.0	17.75										
			16QAM	1	1	16.26	16.42	16.32	16.40	16.26	0.0	16.50	17.55	17.56	17.62	17.64	17.72	0.0	17.75									
			64QAM	1	1	16.29	16.32	16.47	16.32	16.34	0.0	16.50	17.55	17.67	17.63	17.52	17.73	0.0	17.75									
			256QAM	1	1	16.31	16.43	16.36	16.45	16.42	0.0	16.50	17.59	17.65	17.66	17.75	17.54	0.0	17.75									
		CP-OFDM	QPSK	1	1	16.34	16.33	16.49	16.45	16.46	0.0	16.50	17.74	17.75	17.65	17.70	17.62	0.0	17.75									
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)																	
					501200	509900	518600	527300	536000	MFR	Tune-up Limit	501200	509900	518600	527300	536000	MFR	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	DFS-s OFDM	P/2 BPSK	1	1	16.23	16.32	16.49	16.26	16.50	0.0	16.50	17.56	17.52	17.60	17.46	17.74	0.0	17.75										
			1	1	16.42	16.43	16.34	16.42	16.42	0.0	16.50	17.67	17.58	17.51	17.60	17.61	0.0	17.75										
		QPSK	1	26	16.25	16.44	16.28	16.33	16.30	0.0	16.50	17.63	17.65	17.51	17.71	17.74	0.0	17.75										
			1	49	16.27	16.35	16.45	16.33	16.47	0.0	16.50	17.63	17.71	17.70	17.72	17.71	0.0	17.75										
			25	0	16.39	16.43	16.50	16.33	16.28	0.0	16.50	17.59	17.64	17.63	17.66	17.74	0.0	17.75										
			25	13	16.25	16.45	16.42	16.38	16.48	0.0	16.50	17.63	17.57	17.61	17.74	17.58	0.0	17.75										
			25	26	16.41	16.47	16.48	16.42	16.48	0.0	16.50	17.73	17.71	17.72	17.54	17.73	0.0	17.75										
			50	0	16.43	16.35	16.36	16.26	16.49	0.0	16.50	17.52	17.75	17.64	17.51	17.74	0.0	17.75										
			16QAM	1	1	16.29	16.42	16.36	16.46	16.37	0.0	16.50	17.65	17.52	17.56	17.56	17.74	0.0	17.75									
			64QAM	1	1	16.35	16.38	16.47	16.42	16.44	0.0	16.50	17.66	17.52	17.70	17.61	17.54	0.0	17.75									
			256QAM	1	1	16.44	16.37	16.28	16.34	16.44	0.0	16.50	17.51	17.56	17.58	17.56	17.57	0.0	17.75									
		CP-OFDM	QPSK	1	1	16.43	16.34	16.43	16.31	16.36	0.0	16.50	17.67	17.53	17.61	17.56	17.64	0.0	17.75									

NR Band 41 Measured Results (ANT3)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					509200	513900	518600	523300	528000	MFR	Tune-up Limit	509200	513900	518600	523300	528000	MFR	Tune-up Limit
					2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz			2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz		
100 MHz	DFS-s OFDM	QPSK	1	1			24.23			0	24.25			17.64			0	18.00
			1	1			24.13			0	24.25			17.88			0	18.00
			1	137			24.25			0	24.25			18.00			0	18.00
			1	271			24.20			0	24.25			17.78			0	18.00
			135	0			23.01		1	23.25				17.98			0	18.00
			135	69			24.04		0	24.25				17.87			0	18.00
			135	138			23.09		1	23.25				17.78			0	18.00
			270	0			23.21		1	23.25				18.00			0	18.00
		16QAM	1	1			23.20		1	23.25				16.78			0	18.00
		64QAM	1	1			21.58		2.5	21.75				17.90			0	18.00
		256QAM	1	1			19.66		4.5	19.75				17.78			0	18.00
	CP-OFDM	QPSK	1	1			22.54			1.5	22.75			17.82			0	18.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					508200	513400	518600	523800	529000	MFR	Tune-up Limit	508200	513400	518600	523800	529000	MFR	Tune-up Limit
					2541 MHz	2567 MHz	2593 MHz	2619 MHz	2645 MHz			2541 MHz	2567 MHz	2593 MHz	2619 MHz	2645 MHz		
90 MHz	DFS-s OFDM	QPSK	1	1			24.13			0	24.25			17.72			0	18.00
			1	1			24.25			0	24.25			17.90			0	18.00
			1	123			24.19			0	24.25			17.75			0	18.00
			1	243			24.17			0	24.25			17.95			0	18.00
			120	0			23.20		1	23.25				17.81			0	18.00
			120	63			24.09		0	24.25				17.79			0	18.00
			120	125			23.08		1	23.25				17.89			0	18.00
			243	0			23.21		1	23.25				17.78			0	18.00
		16QAM	1	1			23.11		1	23.25				16.76			0	18.00
		64QAM	1	1			21.52		2.5	21.75				17.81			0	18.00
		256QAM	1	1			19.73		4.5	19.75				17.94			0	18.00
	CP-OFDM	QPSK	1	1			22.63			1.5	22.75			17.83			0	18.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					507200	512900	518600	524300	530000	MFR	Tune-up Limit	507200	512900	518600	524300	530000	MFR	Tune-up Limit
					2536 MHz	2564.5 MHz	2593 MHz	2621.5 MHz	2650 MHz			2536 MHz	2564.5 MHz	2593 MHz	2621.5 MHz	2650 MHz		
80 MHz	DFS-s OFDM	QPSK	1	1			24.21			0	24.25			17.68			0	18.00
			1	1			24.20			0	24.25			17.79			0	18.00
			1	109			24.06			0	24.25			17.99			0	18.00
			1	215			24.10			0	24.25			17.93			0	18.00
			108	0			23.11		1	23.25				17.85			0	18.00
			108	55			24.24		0	24.25				17.99			0	18.00
			108	109			23.18		1	23.25				17.91			0	18.00
			216	0			23.15		1	23.25				17.99			0	18.00
		16QAM	1	1			23.24		1	23.25				16.94			0	18.00
		64QAM	1	1			21.73		2.5	21.75				17.93			0	18.00
		256QAM	1	1			19.65		4.5	19.75				17.96			0	18.00
	CP-OFDM	QPSK	1	1			22.55			1.5	22.75			17.92			0	18.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					505200	511900	518600	525300	532000	MFR	Tune-up Limit	505200	511900	518600	525300	532000	MFR	Tune-up Limit
					2526 MHz	2559.5 MHz	2593 MHz	2626.5 MHz	2660 MHz			2526 MHz	2559.5 MHz	2593 MHz	2626.5 MHz	2660 MHz		
60 MHz	DFS-s OFDM	QPSK	1	1			24.20			0	24.25			17.69			0	18.00
			1	1			24.14			0	24.25			17.77			0	18.00
			1	81			24.13			0	24.25			17.83			0	18.00
			1	160			24.03			0	24.25			17.86			0	18.00
			81	0			23.05		23.21	1	23.25			17.99			0	18.00
			81	40			24.07		24.06	0	24.25			17.98			0	18.00
			81	81			23.01		23.18	1	23.25			17.75			0	18.00
			162	0			23.13		23.13	1	23.25			17.76			0	18.00
		16QAM	1	1			23.15		23.15	1	23.25			16.93			0	18.00
		64QAM	1	1			21.58		21.73	2.5	21.75			17.77			0	18.00
		256QAM	1	1			19.63		19.69	4.5	19.75			17.89			0	18.00
	CP-OFDM	QPSK	1	1			22.55		22.58	1.5	22.75			18.00			0	18.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					504200	511400	518600	525800	533000	MFR	Tune-up Limit	504200	511400	518600	525800	533000	MFR	Tune-up Limit
					2521 MHz	2557 MHz	2593 MHz	2629 MHz	2665 MHz			2521 MHz	2557 MHz	2593 MHz	2629 MHz	2665 MHz		
50 MHz	DFS-s OFDM	QPSK	1	1			24.02			0	24.25			17.74			0	18.00
			1	1			24.13			0	24.25			17.90			0	18.00
			1	67			24.23			0	24.25			17.85			0	18.00
			1	131			24.11			0	24.25			17.83			0	18.00
			64	0			23.25		23.10	1	23.25			17.98			0	18.00
			64	35			24.14		24.06	0	24.25			17.87			0	18.00
			64	69			23.19		23.16	1	23.25			17.99			0	18.00
			128	0			23.25		23.05	1	23.25			17.79			0	18.00
		16QAM	1	1			23.10		23.19	1	23.25			16.97			0	18.00
		64QAM	1	1			21.67		21.55	2.5	21.75			17.86			0	18.00
		256QAM	1	1			19.56		19.70	4.5	19.75			17.90			0	18.00
	CP-OFDM	QPSK	1	1			22.63		22.57	1.5	22.75			17.88			0	18.00

NR Band 41 Measured Results (ANT3) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					503200	510900	518600	526300	534000	MFR	Tune-up Limit	503200	510900	518600	526300	534000	MFR	Tune-up Limit
					2516 MHz	2554.5 MHz	2593 MHz	2631.5 MHz	2670 MHz			2516 MHz	2554.5 MHz	2593 MHz	2631.5 MHz	2670 MHz		
40 MHz	DFS-s OFDM	Pv2 BPSK	1	1	24.24	24.19	24.17	24.16	24.14	0	24.25	17.87	17.87	17.67	17.72	17.74	0	18.00
			1	1	24.18	24.09	24.09	24.04	24.21	0	24.25	17.75	17.77	17.81	17.86	17.90	0	18.00
		1	53	24.16	24.20	24.11	24.24	24.04	0	24.25	18.00	17.79	17.91	17.97	17.94	0	18.00	
		QPSK	1	104	24.20	24.15	24.06	24.15	24.08	0	24.25	17.93	17.88	17.90	17.89	17.93	0	18.00
			50	0	23.07	23.06	23.18	23.12	23.21	1	23.25	17.90	17.80	17.98	17.99	17.95	0	18.00
			50	28	24.07	24.14	24.15	24.23	24.08	0	24.25	17.86	17.99	17.97	17.90	17.87	0	18.00
			50	56	23.14	23.01	23.19	23.12	23.19	1	23.25	17.81	17.94	17.98	17.98	17.81	0	18.00
			100	0	23.08	23.11	23.14	23.08	23.05	1	23.25	17.86	17.87	17.97	17.83	17.88	0	18.00
		16QAM	1	1	23.19	23.06	23.11	23.04	23.06	1	23.25	16.83	16.99	16.79	16.91	16.97	0	18.00
		64QAM	1	1	21.55	21.67	21.59	21.54	21.52	2.5	21.75	17.82	17.87	17.78	17.91	17.91	0	18.00
	256QAM	1	1	19.63	19.52	19.53	19.64	19.67	4.5	19.75	17.84	17.79	17.76	17.96	17.98	0	18.00	
	CP-OFDM	QPSK	1	1	22.75	22.70	22.67	22.51	22.71	1.5	22.75	17.84	17.79	17.80	17.99	18.00	0	18.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					501200	509900	518600	527300	536000	MFR	Tune-up Limit	501200	509900	518600	527300	536000	MFR	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	DFS-s OFDM	Pv2 BPSK	1	1	24.15	24.03	24.19	24.00	24.18	0	24.25	17.72	17.85	17.81	17.74	17.82	0	18.00
			1	1	24.18	24.25	24.03	24.23	24.03	0	24.25	17.87	17.85	17.79	17.88	17.81	0	18.00
		1	26	24.23	24.09	24.23	24.00	24.13	0	24.25	17.88	18.00	18.00	17.97	17.87	0	18.00	
		1	49	24.13	24.07	24.08	24.20	24.19	0	24.25	17.91	17.87	17.90	17.88	17.80	0	18.00	
		QPSK	25	0	23.09	23.06	23.16	23.25	23.16	1	23.25	18.00	17.83	17.93	17.78	17.88	0	18.00
			25	13	24.23	24.11	24.07	24.13	24.04	0	24.25	17.93	17.98	17.82	17.98	17.78	0	18.00
			25	26	23.23	23.25	23.14	23.20	23.07	1	23.25	17.77	17.98	17.95	17.78	17.94	0	18.00
			50	0	23.25	23.05	23.17	23.18	23.16	1	23.25	17.76	17.85	17.95	17.95	17.87	0	18.00
			16QAM	1	1	23.08	23.12	23.21	23.19	23.20	1	23.25	16.95	16.95	16.92	16.80	16.78	0
		64QAM	1	1	21.69	21.66	21.70	21.60	21.64	2.5	21.75	17.89	17.77	17.98	17.76	17.83	0	18.00
	256QAM	1	1	19.70	19.68	19.64	19.59	19.60	4.5	19.75	17.88	17.98	17.80	17.98	17.82	0	18.00	
	CP-OFDM	QPSK	1	1	22.55	22.68	22.64	22.63	22.55	1.5	22.75	17.96	17.87	17.85	17.83	17.75	0	18.00

NR Band 41 Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					509200	513900	518600	523300	528000	MFR	Tune-up Limit	509200	513900	518600	523300	528000	MFR	Tune-up Limit
					2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz			2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz		
100 MHz	DFS-s OFDM	QPSK	1	1			19.51			0	19.75			20.56			0	20.75
			1	1			19.65			0	19.75			20.56			0	20.75
			1	137			19.75			0	19.75			20.75			0	20.75
			1	271			19.62			0	19.75			20.63			0	20.75
			135	0			19.53			0	19.75			20.68			0	20.75
			135	69			19.53			0	19.75			20.74			0	20.75
			135	138			19.72			0	19.75			20.73			0	20.75
			270	0			19.63			0	19.75			20.63			0	20.75
			16QAM	1	1		19.60			0	19.75			20.72			0	20.75
			64QAM	1	1		19.73			0	19.75			20.59			0	20.75
			256QAM	1	1		19.61			0	19.75			20.72			0	20.75
			CP-OFDM	QPSK	1	1	19.51			0	19.75			20.64			0	20.75
90 MHz	DFS-s OFDM	QPSK	1	1			19.72			0	19.75			20.44			0	20.75
			1	1			19.56			0	19.75			20.58			0	20.75
			1	123			19.71			0	19.75			20.57			0	20.75
			1	243			19.59			0	19.75			20.62			0	20.75
			120	0			19.67			0	19.75			20.68			0	20.75
			120	63			19.70			0	19.75			20.61			0	20.75
			120	125			19.59			0	19.75			20.63			0	20.75
			243	0			19.71			0	19.75			20.67			0	20.75
			16QAM	1	1		19.61			0	19.75			20.56			0	20.75
			64QAM	1	1		19.64			0	19.75			20.56			0	20.75
			256QAM	1	1		19.51			0	19.75			20.58			0	20.75
			CP-OFDM	QPSK	1	1	19.59			0	19.75			20.56			0	20.75
80 MHz	DFS-s OFDM	QPSK	1	1			19.65			0	19.75			20.37			0	20.75
			1	1			19.59			0	19.75			20.67			0	20.75
			1	109			19.74			0	19.75			20.70			0	20.75
			1	215			19.71			0	19.75			20.70			0	20.75
			108	0			19.56			0	19.75			20.66			0	20.75
			108	55			19.64			0	19.75			20.67			0	20.75
			108	109			19.71			0	19.75			20.62			0	20.75
			216	0			19.54			0	19.75			20.56			0	20.75
			16QAM	1	1		19.61			0	19.75			20.55			0	20.75
			64QAM	1	1		19.73			0	19.75			20.55			0	20.75
			256QAM	1	1		19.73			0	19.75			20.59			0	20.75
			CP-OFDM	QPSK	1	1	19.61			0	19.75			20.69			0	20.75
60 MHz	DFS-s OFDM	QPSK	1	1			19.46			0	19.75			20.37			0	20.75
			1	1			19.67			0	19.75			20.67			0	20.75
			1	81			19.55			0	19.75			20.69			0	20.75
			1	160			19.59			0	19.75			20.56			0	20.75
			81	0			19.54			0	19.75			20.63			0	20.75
			81	40			19.53			0	19.75			20.55			0	20.75
			81	81			19.72			0	19.75			20.59			0	20.75
			162	0			19.52			0	19.75			20.68			0	20.75
			16QAM	1	1		19.53			0	19.75			20.61			0	20.75
			64QAM	1	1		19.70			0	19.75			20.75			0	20.75
			256QAM	1	1		19.63			0	19.75			20.72			0	20.75
			CP-OFDM	QPSK	1	1	19.73			0	19.75			20.58			0	20.75
50 MHz	DFS-s OFDM	QPSK	1	1			19.70			0	19.75			20.41			0	20.75
			1	1			19.71			0	19.75			20.66			0	20.75
			1	67			19.62			0	19.75			20.59			0	20.75
			1	131			19.67			0	19.75			20.67			0	20.75
			64	0			19.55			0	19.75			20.72			0	20.75
			64	35			19.72			0	19.75			20.52			0	20.75
			64	69			19.56			0	19.75			20.61			0	20.75
			128	0			19.70			0	19.75			20.66			0	20.75
			16QAM	1	1		19.67			0	19.75			20.52			0	20.75
			64QAM	1	1		19.60			0	19.75			20.66			0	20.75
			256QAM	1	1		19.74			0	19.75			20.72			0	20.75
			CP-OFDM	QPSK	1	1	19.55			0	19.75			20.59			0	20.75

NR Band 41 Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)								
					503200	510900	518600	526300	534000	MFR	Tune-up Limit	503200	510900	518600	526300	534000	MFR	Tune-up Limit		
					2516 MHz	2554.5 MHz	2593 MHz	2631.5 MHz	2670 MHz			2516 MHz	2554.5 MHz	2593 MHz	2631.5 MHz	2670 MHz				
40 MHz	DFS-s OFDM	P2 BPSK	1	1	19.62	19.65	19.68	19.69	19.63	0	19.75	20.30	20.30	20.42	20.28	20.28	0	20.75		
			1	1	19.51	19.60	19.66	19.71	19.69	0	19.75	20.55	20.67	20.51	20.64	20.52	0	20.75		
		QPSK	1	53	19.59	19.62	19.66	19.64	19.71	0	19.75	20.65	20.58	20.57	20.68	20.63	0	20.75		
			1	104	19.59	19.67	19.71	19.51	19.58	0	19.75	20.55	20.56	20.68	20.56	20.73	0	20.75		
			50	0	19.59	19.69	19.67	19.66	19.61	0	19.75	20.67	20.72	20.65	20.67	20.68	0	20.75		
			50	28	19.69	19.59	19.62	19.59	19.59	0	19.75	20.63	20.55	20.64	20.52	20.71	0	20.75		
			50	56	19.71	19.68	19.71	19.53	19.61	0	19.75	20.69	20.72	20.72	20.61	20.58	0	20.75		
			100	0	19.73	19.62	19.56	19.55	19.56	0	19.75	20.65	20.66	20.71	20.68	20.73	0	20.75		
			16QAM	1	1	19.61	19.56	19.53	19.64	19.54	0	19.75	20.61	20.71	20.62	20.62	20.61	0	20.75	
			64QAM	1	1	19.72	19.65	19.58	19.62	19.57	0	19.75	20.71	20.62	20.59	20.68	20.64	0	20.75	
		256QAM	1	1	19.52	19.65	19.73	19.53	19.53	0	19.75	20.73	20.62	20.51	20.58	20.72	0	20.75		
		CP-OFDM	QPSK	1	1	19.59	19.64	19.51	19.70	19.73	0	19.75	20.74	20.52	20.60	20.56	20.51	0	20.75	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)								
					501200	509900	518600	527300	536000	MFR	Tune-up Limit	501200	509900	518600	527300	536000	MFR	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	DFS-s OFDM	P2 BPSK	1	1	19.62	19.45	19.55	19.64	19.52	0	19.75	20.41	20.41	20.28	20.50	20.49	0	20.75		
			1	1	19.63	19.53	19.73	19.66	19.57	0	19.75	20.72	20.72	20.70	20.66	20.58	0	20.75		
		QPSK	1	26	19.74	19.74	19.55	19.65	19.54	0	19.75	20.66	20.59	20.64	20.74	20.64	0	20.75		
			1	49	19.61	19.51	19.66	19.69	19.65	0	19.75	20.50	20.59	20.58	20.72	20.69	0	20.75		
			25	0	19.74	19.64	19.71	19.68	19.75	0	19.75	20.74	20.65	20.60	20.60	20.70	0	20.75		
			25	13	19.70	19.56	19.66	19.69	19.74	0	19.75	20.51	20.59	20.60	20.62	20.52	0	20.75		
			25	26	19.68	19.56	19.58	19.69	19.59	0	19.75	20.52	20.52	20.64	20.63	20.57	0	20.75		
			50	0	19.58	19.56	19.65	19.60	19.64	0	19.75	20.72	20.63	20.63	20.57	20.59	0	20.75		
			16QAM	1	1	19.72	19.62	19.69	19.56	19.53	0	19.75	20.51	20.58	20.58	20.64	20.55	20.69	0	20.75
			64QAM	1	1	19.72	19.58	19.52	19.75	19.61	0	19.75	20.52	20.54	20.66	20.60	20.62	0	20.75	
		256QAM	1	1	19.61	19.74	19.67	19.60	19.61	0	19.75	20.70	20.64	20.75	20.61	20.72	0	20.75		
		CP-OFDM	QPSK	1	1	19.72	19.54	19.66	19.53	19.73	0	19.75	20.66	20.51	20.70	20.52	20.71	0	20.75	

NR Band 66 Measured Results (ANT1)

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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.26	25.47	25.29	0.0	25.70	16.84	16.97	16.90	0.0	17.00
			1	1	25.65	25.65	25.68	0.0	25.70	16.78	16.98	16.87	0.0	17.00
		QPSK	1	53	25.63	25.70	25.58	0.0	25.70	16.75	17.00	16.87	0.0	17.00
			1	104	25.65	25.58	25.51	0.0	25.70	16.76	16.98	16.93	0.0	17.00
			50	0	24.56	24.64	24.57	1.0	24.70	16.76	16.93	16.98	0.0	17.00
			50	28	25.47	25.60	25.58	0.0	25.70	16.79	16.97	16.87	0.0	17.00
			50	56	24.65	24.69	24.54	1.0	24.70	16.95	16.75	16.76	0.0	17.00
			100	0	24.46	24.61	24.62	1.0	24.70	16.94	16.82	16.78	0.0	17.00
		16QAM	1	1	24.53	24.45	24.51	1.0	24.70	16.92	16.87	16.98	0.0	17.00
		64QAM	1	1	22.97	23.09	23.18	2.5	23.20	16.93	16.88	16.76	0.0	17.00
		256QAM	1	1	21.04	21.02	21.19	4.5	21.20	16.95	16.87	16.88	0.0	17.00
	CP-OFDM	QPSK	1	1	24.03	24.00	24.05	1.5	24.20	16.95	16.95	16.91	0.0	17.00
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.34	25.44	25.35	0.0	25.70	16.87	16.82	16.81	0.0	17.00
			1	1	25.47	25.53	25.65	0.0	25.70	16.79	16.97	16.75	0.0	17.00
		QPSK	1	40	25.65	25.67	25.70	0.0	25.70	16.90	16.94	16.87	0.0	17.00
			1	77	25.61	25.56	25.62	0.0	25.70	16.91	16.93	16.87	0.0	17.00
			36	0	24.55	24.63	24.62	1.0	24.70	16.88	16.83	16.98	0.0	17.00
			36	22	25.65	25.58	25.61	0.0	25.70	16.86	16.75	16.76	0.0	17.00
			36	43	24.45	24.55	24.60	1.0	24.70	16.96	16.98	16.96	0.0	17.00
			75	0	24.65	24.59	24.63	1.0	24.70	17.00	16.80	16.85	0.0	17.00
		16QAM	1	1	24.49	24.62	24.60	1.0	24.70	16.84	16.83	16.93	0.0	17.00
		64QAM	1	1	23.16	23.15	23.11	2.5	23.20	16.75	16.79	16.94	0.0	17.00
		256QAM	1	1	21.00	21.19	21.02	4.5	21.20	16.92	16.78	16.88	0.0	17.00
	CP-OFDM	QPSK	1	1	24.06	24.17	24.02	1.5	24.20	16.84	16.99	16.82	0.0	17.00
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.43	25.31	25.28	0.0	25.70	16.90	16.98	16.85	0.0	17.00
			1	1	25.50	25.54	25.55	0.0	25.70	16.95	16.89	16.76	0.0	17.00
		QPSK	1	26	25.69	25.56	25.49	0.0	25.70	16.96	16.90	16.93	0.0	17.00
			1	50	25.60	25.50	25.60	0.0	25.70	17.00	16.95	16.90	0.0	17.00
			25	0	24.66	24.46	24.54	1.0	24.70	16.82	16.85	16.78	0.0	17.00
			25	14	25.55	25.67	25.59	0.0	25.70	16.77	16.82	16.94	0.0	17.00
			25	27	24.65	24.48	24.59	1.0	24.70	16.84	16.83	16.83	0.0	17.00
			50	0	24.59	24.69	24.47	1.0	24.70	16.76	16.78	16.99	0.0	17.00
		16QAM	1	1	24.54	24.50	24.49	1.0	24.70	16.81	16.97	16.87	0.0	17.00
		64QAM	1	1	22.97	23.18	23.18	2.5	23.20	16.88	16.90	16.99	0.0	17.00
		256QAM	1	1	21.06	21.14	20.96	4.5	21.20	16.85	16.93	16.93	0.0	17.00
	CP-OFDM	QPSK	1	1	23.99	24.15	24.19	1.5	24.20	16.84	16.98	16.77	0.0	17.00
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.35	25.25	25.24	0.0	25.70	16.81	16.75	16.89	0.0	17.00
			1	1	25.57	25.50	25.69	0.0	25.70	16.99	16.92	16.93	0.0	17.00
		QPSK	1	13	25.63	25.54	25.69	0.0	25.70	16.88	16.99	16.87	0.0	17.00
			1	23	25.70	25.59	25.65	0.0	25.70	16.88	16.84	16.88	0.0	17.00
			12	0	24.60	24.64	24.53	1.0	24.70	16.83	16.81	16.83	0.0	17.00
			12	7	25.48	25.60	25.62	0.0	25.70	16.88	16.82	16.86	0.0	17.00
			12	13	24.62	24.48	24.51	1.0	24.70	16.86	16.92	16.84	0.0	17.00
			25	0	24.68	24.48	24.57	1.0	24.70	16.87	16.90	16.93	0.0	17.00
		16QAM	1	1	24.51	24.53	24.59	1.0	24.70	16.82	16.85	16.78	0.0	17.00
		64QAM	1	1	23.09	23.00	23.07	2.5	23.20	16.83	16.95	16.75	0.0	17.00
		256QAM	1	1	21.09	21.09	21.00	4.5	21.20	16.78	16.87	16.93	0.0	17.00
	CP-OFDM	QPSK	1	1	24.16	24.05	23.98	1.5	24.20	16.89	16.81	17.00	0.0	17.00

NR Band 66 Measured Results (ANT2)

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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.14	18.07	18.19	0.0	18.50	16.87	16.87	16.74	0.0	17.25
			1	1	18.48	18.35	18.39	0.0	18.50	17.19	17.01	17.23	0.0	17.25
		QPSK	1	53	18.26	18.50	18.40	0.0	18.50	17.11	17.25	17.13	0.0	17.25
			1	104	18.39	18.39	18.37	0.0	18.50	17.20	17.24	17.01	0.0	17.25
			50	0	18.33	18.35	18.28	0.0	18.50	17.22	17.04	17.01	0.0	17.25
			50	28	18.30	18.40	18.35	0.0	18.50	17.01	17.24	17.21	0.0	17.25
			50	56	18.29	18.27	18.47	0.0	18.50	17.16	17.08	17.11	0.0	17.25
			100	0	18.35	18.37	18.27	0.0	18.50	17.17	17.06	17.21	0.0	17.25
		16QAM	1	1	18.34	18.29	18.27	0.0	18.50	17.24	17.22	17.04	0.0	17.25
		64QAM	1	1	18.41	18.26	18.45	0.0	18.50	17.20	17.19	17.10	0.0	17.25
		256QAM	1	1	18.46	18.31	18.29	0.0	18.50	17.04	17.21	17.16	0.0	17.25
	CP-OFDM	QPSK	1	1	18.39	18.47	18.27	0.0	18.50	17.01	17.06	17.13	0.0	17.25
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.12	17.91	18.10	0.0	18.50	16.74	16.73	16.75	0.0	17.25
			1	1	18.37	18.30	18.41	0.0	18.50	17.06	17.02	17.02	0.0	17.25
		QPSK	1	40	18.26	18.49	18.31	0.0	18.50	17.01	17.07	17.09	0.0	17.25
			1	77	18.47	18.45	18.31	0.0	18.50	17.10	17.17	17.05	0.0	17.25
			36	0	18.49	18.35	18.27	0.0	18.50	17.24	17.06	17.01	0.0	17.25
			36	22	18.32	18.47	18.25	0.0	18.50	17.14	17.17	17.11	0.0	17.25
			36	43	18.29	18.36	18.35	0.0	18.50	17.13	17.01	17.15	0.0	17.25
			75	0	18.47	18.40	18.33	0.0	18.50	17.08	17.16	17.00	0.0	17.25
		16QAM	1	1	18.43	18.32	18.47	0.0	18.50	17.02	17.19	17.13	0.0	17.25
		64QAM	1	1	18.45	18.50	18.28	0.0	18.50	17.13	17.08	17.08	0.0	17.25
		256QAM	1	1	18.29	18.28	18.37	0.0	18.50	17.07	17.11	17.14	0.0	17.25
	CP-OFDM	QPSK	1	1	18.50	18.48	18.42	0.0	18.50	17.15	17.08	17.23	0.0	17.25
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.04	17.99	17.93	0.0	18.50	16.86	16.71	16.91	0.0	17.25
			1	1	18.30	18.47	18.40	0.0	18.50	17.02	17.01	17.01	0.0	17.25
		QPSK	1	26	18.45	18.48	18.32	0.0	18.50	17.06	17.00	17.02	0.0	17.25
			1	50	18.50	18.32	18.43	0.0	18.50	17.13	17.15	17.24	0.0	17.25
			25	0	18.40	18.50	18.27	0.0	18.50	17.06	17.06	17.10	0.0	17.25
			25	14	18.47	18.50	18.31	0.0	18.50	17.04	17.16	17.16	0.0	17.25
			25	27	18.33	18.48	18.32	0.0	18.50	17.16	17.16	17.21	0.0	17.25
			50	0	18.37	18.35	18.26	0.0	18.50	17.22	17.00	17.12	0.0	17.25
		16QAM	1	1	18.45	18.40	18.27	0.0	18.50	17.06	17.23	17.00	0.0	17.25
		64QAM	1	1	18.36	18.39	18.28	0.0	18.50	17.20	17.03	17.08	0.0	17.25
		256QAM	1	1	18.43	18.28	18.42	0.0	18.50	17.02	17.15	17.04	0.0	17.25
	CP-OFDM	QPSK	1	1	18.47	18.44	18.31	0.0	18.50	17.06	17.13	17.08	0.0	17.25
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.09	18.03	18.04	0.0	18.50	16.90	16.80	16.85	0.0	17.25
			1	1	18.37	18.29	18.28	0.0	18.50	17.00	17.08	17.06	0.0	17.25
		QPSK	1	13	18.30	18.34	18.46	0.0	18.50	17.02	17.16	17.06	0.0	17.25
			1	23	18.28	18.45	18.29	0.0	18.50	17.04	17.21	17.18	0.0	17.25
			12	0	18.30	18.39	18.39	0.0	18.50	17.01	17.11	17.01	0.0	17.25
			12	7	18.38	18.37	18.33	0.0	18.50	17.15	17.05	17.00	0.0	17.25
			12	13	18.48	18.34	18.47	0.0	18.50	17.14	17.25	17.10	0.0	17.25
			25	0	18.44	18.31	18.48	0.0	18.50	17.01	17.01	17.03	0.0	17.25
		16QAM	1	1	18.37	18.33	18.27	0.0	18.50	17.22	17.15	17.12	0.0	17.25
		64QAM	1	1	18.36	18.33	18.44	0.0	18.50	17.14	17.23	17.23	0.0	17.25
		256QAM	1	1	18.28	18.35	18.31	0.0	18.50	17.13	17.16	17.22	0.0	17.25
	CP-OFDM	QPSK	1	1	18.33	18.29	18.44	0.0	18.50	17.18	17.08	17.16	0.0	17.25

NR Band 66 Measured Results (ANT3)

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 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	24.42	24.64	24.55	0	24.70	21.22	21.14	20.96	0	21.25
			1	1	24.58	24.52	24.53	0	24.70	21.08	21.09	21.03	0	21.25
		QPSK	1	53	24.58	24.70	24.63	0	24.70	21.25	21.25	21.07	0	21.25
			1	104	24.46	24.46	24.50	0	24.70	21.04	21.18	21.16	0	21.25
			50	0	23.69	23.51	23.52	1	23.70	21.07	21.20	21.03	0	21.25
			50	28	24.64	24.53	24.63	0	24.70	21.12	21.23	21.23	0	21.25
			50	56	23.47	23.60	23.53	1	23.70	21.12	21.10	21.02	0	21.25
			100	0	23.63	23.56	23.48	1	23.70	21.16	21.08	21.07	0	21.25
			16QAM	1	1	23.65	23.70	23.65	1	23.70	21.16	21.01	21.23	0
	64QAM	1	1	22.20	22.00	22.07	2.5	22.20	21.11	21.24	21.07	0	21.25	
256QAM	1	1	19.95	20.02	20.19	4.5	20.20	21.12	21.14	21.17	0	21.25		
CP-OFDM	QPSK	1	1	23.02	23.20	23.08	1.5	23.20	21.18	21.20	21.20	0	21.25	
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 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	24.58	24.54	24.55	0	24.70	21.07	20.96	21.14	0	21.25
			1	1	24.61	24.54	24.60	0	24.70	21.09	21.04	21.17	0	21.25
		QPSK	1	40	24.66	24.56	24.53	0	24.70	21.19	21.19	21.23	0	21.25
			1	77	24.49	24.47	24.66	0	24.70	21.00	21.14	21.05	0	21.25
			36	0	23.57	23.57	23.50	1	23.70	21.18	21.06	21.17	0	21.25
			36	22	24.63	24.60	24.55	0	24.70	21.11	21.18	21.12	0	21.25
			36	43	23.56	23.56	23.59	1	23.70	21.16	21.17	21.02	0	21.25
			75	0	23.59	23.47	23.58	1	23.70	21.08	21.12	21.02	0	21.25
			16QAM	1	1	23.62	23.60	23.61	1	23.70	21.09	21.03	21.02	0
	64QAM	1	1	22.08	22.11	22.13	2.5	22.20	21.04	21.21	21.19	0	21.25	
256QAM	1	1	19.97	20.18	20.13	4.5	20.20	21.02	21.09	21.11	0	21.25		
CP-OFDM	QPSK	1	1	23.10	23.16	23.02	1.5	23.20	21.03	21.18	21.02	0	21.25	
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 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	24.67	24.48	24.66	0	24.70	20.98	20.98	20.97	0	21.25
			1	1	24.57	24.59	24.67	0	24.70	21.23	21.16	21.17	0	21.25
		QPSK	1	26	24.65	24.70	24.61	0	24.70	21.19	21.12	21.18	0	21.25
			1	50	24.46	24.45	24.58	0	24.70	21.09	21.04	21.09	0	21.25
			25	0	23.67	23.47	23.61	1	23.70	21.25	21.22	21.04	0	21.25
			25	14	24.57	24.68	24.59	0	24.70	21.21	21.23	21.21	0	21.25
			25	27	23.54	23.67	23.48	1	23.70	21.16	21.24	21.01	0	21.25
			50	0	23.57	23.58	23.48	1	23.70	21.19	21.08	21.12	0	21.25
			16QAM	1	1	23.61	23.50	23.69	1	23.70	21.00	21.03	21.19	0
	64QAM	1	1	22.07	22.07	22.05	2.5	22.20	21.09	21.07	21.06	0	21.25	
256QAM	1	1	20.17	20.05	20.16	4.5	20.20	21.14	21.15	21.01	0	21.25		
CP-OFDM	QPSK	1	1	22.97	23.01	23.13	1.5	23.20	21.17	21.12	21.10	0	21.25	
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 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	24.69	24.50	24.44	0	24.70	21.16	21.22	21.15	0	21.25
			1	1	24.59	24.59	24.56	0	24.70	21.16	21.04	21.25	0	21.25
		QPSK	1	13	24.53	24.54	24.65	0	24.70	21.00	21.18	21.24	0	21.25
			1	23	24.53	24.60	24.58	0	24.70	21.14	21.08	21.01	0	21.25
			12	0	23.60	23.66	23.63	1	23.70	21.08	21.13	21.10	0	21.25
			12	7	24.61	24.63	24.67	0	24.70	21.16	21.13	21.14	0	21.25
			12	13	23.54	23.60	23.62	1	23.70	21.15	21.18	21.18	0	21.25
			25	0	23.59	23.53	23.70	1	23.70	21.04	21.13	21.19	0	21.25
			16QAM	1	1	23.60	23.62	23.46	1	23.70	21.17	21.05	21.25	0
	64QAM	1	1	22.03	21.97	22.05	2.5	22.20	21.18	21.04	21.22	0	21.25	
256QAM	1	1	20.12	20.03	20.10	4.5	20.20	21.15	21.02	21.03	0	21.25		
CP-OFDM	QPSK	1	1	23.10	23.04	22.96	1.5	23.20	21.18	21.07	21.19	0	21.25	

NR Band 66 Measured Results (ANT4)

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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.91	19.98	19.95	0	20.00	20.81	20.96	20.74	0	21.00
			1	1	19.86	19.80	19.92	0	20.00	20.82	20.82	20.99	0	21.00
		QPSK	1	53	19.81	20.00	19.94	0	20.00	20.79	21.00	20.99	0	21.00
			1	104	19.87	19.96	19.86	0	20.00	20.75	20.96	20.78	0	21.00
			50	0	19.97	19.83	19.91	0	20.00	20.99	20.93	20.89	0	21.00
			50	28	19.96	20.00	19.87	0	20.00	20.83	21.00	20.75	0	21.00
			50	56	19.87	19.96	19.76	0	20.00	20.75	20.84	20.98	0	21.00
			100	0	19.84	19.99	19.91	0	20.00	20.91	20.82	20.93	0	21.00
		16QAM	1	1	19.93	19.76	19.94	0	20.00	20.80	20.89	20.93	0	21.00
		64QAM	1	1	19.80	19.75	19.81	0	20.00	20.79	20.99	20.85	0	21.00
		256QAM	1	1	19.78	19.89	19.82	0	20.00	20.91	20.77	20.95	0	21.00
	CP-OFDM	QPSK	1	1	19.84	19.93	19.79	0	20.00	20.99	20.96	20.97	0	21.00
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.84	19.94	19.76	0	20.00	20.83	20.95	20.91	0	21.00
			1	1	19.90	19.93	19.86	0	20.00	20.90	20.77	20.80	0	21.00
		QPSK	1	40	19.99	19.97	19.77	0	20.00	20.93	20.94	20.78	0	21.00
			1	77	19.84	19.84	19.76	0	20.00	20.82	20.83	20.80	0	21.00
			36	0	19.82	19.98	19.90	0	20.00	20.81	20.98	20.95	0	21.00
			36	22	19.91	19.92	19.76	0	20.00	20.86	20.80	20.86	0	21.00
			36	43	19.81	19.99	19.84	0	20.00	20.93	20.93	20.85	0	21.00
			75	0	19.95	20.00	19.80	0	20.00	20.82	20.75	20.98	0	21.00
		16QAM	1	1	19.88	19.99	19.91	0	20.00	20.76	20.80	20.86	0	21.00
		64QAM	1	1	19.84	19.93	19.85	0	20.00	20.75	20.95	20.79	0	21.00
		256QAM	1	1	19.76	19.93	19.83	0	20.00	20.83	20.90	20.77	0	21.00
	CP-OFDM	QPSK	1	1	19.93	19.83	19.84	0	20.00	20.83	20.91	20.83	0	21.00
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.78	19.76	19.78	0	20.00	20.78	20.84	20.90	0	21.00
			1	1	19.81	19.99	19.77	0	20.00	20.86	20.93	20.76	0	21.00
		QPSK	1	26	19.82	19.78	19.81	0	20.00	20.93	20.83	20.93	0	21.00
			1	50	19.84	19.86	19.79	0	20.00	20.92	20.84	20.92	0	21.00
			25	0	19.99	19.85	19.99	0	20.00	20.91	20.89	20.78	0	21.00
			25	14	19.99	19.89	19.95	0	20.00	20.82	20.86	20.95	0	21.00
			25	27	19.85	19.94	19.96	0	20.00	20.77	21.00	20.82	0	21.00
			50	0	19.92	20.00	19.93	0	20.00	20.97	20.92	20.78	0	21.00
		16QAM	1	1	19.94	19.88	19.95	0	20.00	20.91	20.90	20.92	0	21.00
		64QAM	1	1	19.85	19.93	19.77	0	20.00	20.88	20.89	20.82	0	21.00
		256QAM	1	1	19.87	19.79	19.92	0	20.00	20.83	20.91	20.95	0	21.00
	CP-OFDM	QPSK	1	1	19.86	19.76	19.79	0	20.00	20.93	20.80	20.83	0	21.00
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.95	19.96	19.87	0	20.00	20.86	20.91	20.70	0	21.00
			1	1	19.85	19.80	19.98	0	20.00	20.81	20.89	20.85	0	21.00
		QPSK	1	13	19.82	19.98	19.98	0	20.00	20.90	20.88	20.89	0	21.00
			1	23	19.76	19.80	19.83	0	20.00	20.88	20.85	20.76	0	21.00
			12	0	19.94	19.83	19.77	0	20.00	20.78	21.00	20.94	0	21.00
			12	7	19.86	19.84	20.00	0	20.00	20.90	20.99	20.82	0	21.00
			12	13	19.86	19.81	19.75	0	20.00	20.89	20.93	20.86	0	21.00
			25	0	19.80	19.75	19.98	0	20.00	20.99	20.81	20.97	0	21.00
		16QAM	1	1	19.87	19.92	19.79	0	20.00	20.90	20.80	20.95	0	21.00
		64QAM	1	1	19.93	19.88	19.99	0	20.00	20.80	20.99	20.90	0	21.00
		256QAM	1	1	19.95	19.94	19.95	0	20.00	20.80	20.86	20.96	0	21.00
	CP-OFDM	QPSK	1	1	19.82	19.94	19.83	0	20.00	20.99	20.90	20.87	0	21.00

NR Band 71 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					134600	136100	137600	MPR	Tune-up Limit	134600	136100	137600	MPR	Tune-up Limit
					673 MHz	680.5 MHz	688 MHz			673 MHz	680.5 MHz	688 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1		25.49		0.0	25.70		25.49		0.0	25.70
			1	1		25.70		0.0	25.70		25.70		0.0	25.70
		QPSK	1	53		25.70		0.0	25.70		25.70		0.0	25.70
			1	104		25.50		0.0	25.70		25.50		0.0	25.70
			50	0		24.66		1.0	24.70		24.66		1.0	24.70
			50	28		25.55		0.0	25.70		25.55		0.0	25.70
			50	56		24.47		1.0	24.70		24.47		1.0	24.70
			100	0		24.66		1.0	24.70		24.66		1.0	24.70
		16QAM	1	1		24.58	1.0	24.70		24.58	1.0	24.70		
		64QAM	1	1		23.03	2.5	23.20		23.03	2.5	23.20		
	256QAM	1	1		21.17	4.5	21.20		21.17	4.5	21.20			
	CP-OFDM	QPSK	1	1		23.98		1.5	24.20		23.98		1.5	24.20
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					134100	136100	138100	MPR	Tune-up Limit	134100	136100	138100	MPR	Tune-up Limit
					670.5 MHz	680.5 MHz	690.5 MHz			670.5 MHz	680.5 MHz	690.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1		25.50		0.0	25.70		25.50		0.0	25.70
			1	1		25.57		0.0	25.70		25.57		0.0	25.70
		QPSK	1	40		25.52		0.0	25.70		25.52		0.0	25.70
			1	77		25.60		0.0	25.70		25.60		0.0	25.70
			36	0		24.49		1.0	24.70		24.49		1.0	24.70
			36	22		25.53		0.0	25.70		25.53		0.0	25.70
			36	43		24.69		1.0	24.70		24.69		1.0	24.70
			75	0		24.54		1.0	24.70		24.54		1.0	24.70
		16QAM	1	1		24.67	1.0	24.70		24.67	1.0	24.70		
		64QAM	1	1		23.20	2.5	23.20		23.20	2.5	23.20		
	256QAM	1	1		21.16	4.5	21.20		21.16	4.5	21.20			
	CP-OFDM	QPSK	1	1		24.14		1.5	24.20		24.14		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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.44	25.41	25.26	0.0	25.70	25.44	25.41	25.26	0.0	25.70
			1	1	25.64	25.68	25.56	0.0	25.70	25.64	25.68	25.56	0.0	25.70
		QPSK	1	26	25.56	25.50	25.54	0.0	25.70	25.56	25.50	25.54	0.0	25.70
			1	50	25.54	25.69	25.62	0.0	25.70	25.54	25.69	25.62	0.0	25.70
			25	0	24.50	24.46	24.58	1.0	24.70	24.50	24.46	24.58	1.0	24.70
			25	14	25.66	25.47	25.50	0.0	25.70	25.66	25.47	25.50	0.0	25.70
			25	27	24.68	24.61	24.60	1.0	24.70	24.68	24.61	24.60	1.0	24.70
			50	0	24.68	24.58	24.67	1.0	24.70	24.68	24.58	24.67	1.0	24.70
		16QAM	1	1	24.70	24.65	24.55	1.0	24.70	24.70	24.65	24.55	1.0	24.70
		64QAM	1	1	23.12	23.00	22.98	2.5	23.20	23.12	23.00	22.98	2.5	23.20
	256QAM	1	1	20.98	21.11	21.01	4.5	21.20	20.98	21.11	21.01	4.5	21.20	
	CP-OFDM	QPSK	1	1	24.01	24.07	24.06	1.5	24.20	24.01	24.07	24.06	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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.25	25.36	25.25	0.0	25.70	25.25	25.36	25.25	0.0	25.70
			1	1	25.67	25.64	25.45	0.0	25.70	25.67	25.64	25.45	0.0	25.70
		QPSK	1	13	25.48	25.70	25.64	0.0	25.70	25.48	25.70	25.64	0.0	25.70
			1	23	25.55	25.62	25.53	0.0	25.70	25.55	25.62	25.53	0.0	25.70
			12	0	24.62	24.52	24.65	1.0	24.70	24.62	24.52	24.65	1.0	24.70
			12	7	25.52	25.63	25.48	0.0	25.70	25.52	25.63	25.48	0.0	25.70
			12	13	24.49	24.49	24.49	1.0	24.70	24.49	24.49	24.49	1.0	24.70
			25	0	24.59	24.55	24.63	1.0	24.70	24.59	24.55	24.63	1.0	24.70
		16QAM	1	1	24.47	24.56	24.56	1.0	24.70	24.47	24.56	24.56	1.0	24.70
		64QAM	1	1	23.03	23.08	23.05	2.5	23.20	23.03	23.08	23.05	2.5	23.20
	256QAM	1	1	21.03	21.02	21.18	4.5	21.20	21.03	21.02	21.18	4.5	21.20	
	CP-OFDM	QPSK	1	1	24.02	24.06	23.96	1.5	24.20	24.02	24.06	23.96	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)					
					134600	136100	137600	MPR	Tune-up Limit	134600	136100	137600	MPR	Tune-up Limit	
					673 MHz	680.5 MHz	688 MHz			673 MHz	680.5 MHz	688 MHz			
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1		24.47		0.0	24.50		24.47		0.0	24.50	
			1	1		24.31		0.0	24.50		24.31		0.0	24.50	
		QPSK	1	53		24.50		0.0	24.50		24.50		0.0	24.50	
			1	104		24.42		0.0	24.50		24.42		0.0	24.50	
			50	0		23.41		1.0	23.50		23.41		1.0	23.50	
			50	28		24.46		0.0	24.50		24.46		0.0	24.50	
			50	56		23.32		1.0	23.50		23.32		1.0	23.50	
			100	0		23.44		1.0	23.50		23.44		1.0	23.50	
			16QAM	1	1		23.43	1.0	23.50		23.43	1.0	23.50		
			64QAM	1	1		21.91	2.5	22.00		21.91	2.5	22.00		
	256QAM	1	1		19.90	4.5	20.00		19.90	4.5	20.00				
	CP-OFDM	QPSK	1	1		22.87	1.5	23.00		22.87	1.5	23.00			
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)					
					134100	136100	138100	MPR	Tune-up Limit	134100	136100	138100	MPR	Tune-up Limit	
					670.5 MHz	680.5 MHz	690.5 MHz			670.5 MHz	680.5 MHz	690.5 MHz			
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1		24.35		0.0	24.50		24.35		0.0	24.50	
			1	1		24.46		0.0	24.50		24.46		0.0	24.50	
		QPSK	1	40		24.45		0.0	24.50		24.45		0.0	24.50	
			1	77		24.47		0.0	24.50		24.47		0.0	24.50	
			36	0		23.26		1.0	23.50		23.26		1.0	23.50	
			36	22		24.47		0.0	24.50		24.47		0.0	24.50	
			36	43		23.34		1.0	23.50		23.34		1.0	23.50	
			75	0		23.47		1.0	23.50		23.47		1.0	23.50	
			16QAM	1	1		23.45	1.0	23.50		23.45	1.0	23.50		
			64QAM	1	1		21.78	2.5	22.00		21.78	2.5	22.00		
	256QAM	1	1		19.77	4.5	20.00		19.77	4.5	20.00				
	CP-OFDM	QPSK	1	1		22.79	1.5	23.00		22.79	1.5	23.00			
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.47	24.29	24.26	0.0	24.50	24.47	24.29	24.26	0.0	24.50	
			1	1	24.29	24.47	24.34	0.0	24.50	24.29	24.47	24.34	0.0	24.50	
		QPSK	1	26	24.46	24.44	24.43	0.0	24.50	24.46	24.44	24.43	0.0	24.50	
			1	50	24.44	24.28	24.40	0.0	24.50	24.44	24.28	24.40	0.0	24.50	
			25	0	23.26	23.37	23.41	1.0	23.50	23.26	23.37	23.41	1.0	23.50	
			25	14	24.37	24.35	24.28	0.0	24.50	24.37	24.35	24.28	0.0	24.50	
			25	27	23.46	23.40	23.46	1.0	23.50	23.46	23.40	23.46	1.0	23.50	
			50	0	23.43	23.29	23.47	1.0	23.50	23.43	23.29	23.47	1.0	23.50	
			16QAM	1	1	23.35	23.49	23.37	1.0	23.50	23.35	23.49	23.37	1.0	23.50
			64QAM	1	1	21.92	21.97	21.90	2.5	22.00	21.92	21.97	21.90	2.5	22.00
	256QAM	1	1	19.97	19.79	19.80	4.5	20.00	19.97	19.79	19.80	4.5	20.00		
	CP-OFDM	QPSK	1	1	23.00	22.93	22.79	1.5	23.00	23.00	22.93	22.79	1.5	23.00	
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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.25	24.31	24.43	0.0	24.50	24.25	24.31	24.43	0.0	24.50	
			1	1	24.35	24.43	24.49	0.0	24.50	24.35	24.43	24.49	0.0	24.50	
		QPSK	1	13	24.49	24.38	24.31	0.0	24.50	24.49	24.38	24.31	0.0	24.50	
			1	23	24.28	24.33	24.46	0.0	24.50	24.28	24.33	24.46	0.0	24.50	
			12	0	23.29	23.35	23.37	1.0	23.50	23.29	23.35	23.37	1.0	23.50	
			12	7	24.50	24.41	24.33	0.0	24.50	24.50	24.41	24.33	0.0	24.50	
			12	13	23.36	23.46	23.28	1.0	23.50	23.36	23.46	23.28	1.0	23.50	
			25	0	23.29	23.41	23.47	1.0	23.50	23.29	23.41	23.47	1.0	23.50	
			16QAM	1	1	23.28	23.27	23.48	1.0	23.50	23.28	23.27	23.48	1.0	23.50
			64QAM	1	1	21.81	21.86	21.76	2.5	22.00	21.81	21.86	21.76	2.5	22.00
	256QAM	1	1	19.76	19.76	19.77	4.5	20.00	19.76	19.76	19.77	4.5	20.00		
	CP-OFDM	QPSK	1	1	22.98	22.93	22.88	1.5	23.00	22.98	22.93	22.88	1.5	23.00	

NR Band 77 Measured Results (ANT7)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					650000	653000	656000	659000	662000	MFR	Tune-up Limit	650000	653000	656000	659000	662000	MFR	Tune-up Limit	
					3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz			3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz			
100 MHz	DFS-s OFDM	RV2 BPSK	1	1			25.46			0.0	25.7				18.00			0.0	18.25
			1	1			25.56			0.0	25.7				17.80			0.0	18.25
		QPSK	1	137			25.70			0.0	25.7				18.25			0.0	18.25
			1	271			25.53			0.0	25.7				17.80			0.0	18.25
			135	0			24.59			1.0	24.7				17.60			0.0	18.25
			135	69			25.70			0.0	25.7				18.25			0.0	18.25
			135	138			24.50			1.0	24.7				17.70			0.0	18.25
			270	0			24.55			1.0	24.7				17.95			0.0	18.25
		16QAM	1	1			24.56			1.0	24.7				18.17			0.0	18.25
		64QAM	1	1			23.12			2.5	23.2				18.24			0.0	18.25
		256QAM	1	1			21.04			4.5	21.2				18.11			0.0	18.25
		CP-OFDM	QPSK	1	1			24.09			1.5	24.2				18.08			0.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					649666	652834	656000	659166	662334	MFR	Tune-up Limit	649666	652834	656000	659166	662334	MFR	Tune-up Limit	
					3744.99 MHz	3792.51 MHz	3840 MHz	3887.49 MHz	3935.01 MHz			3744.99 MHz	3792.51 MHz	3840 MHz	3887.49 MHz	3935.01 MHz			
90 MHz	DFS-s OFDM	RV2 BPSK	1	1			25.24			0.0	25.7				17.96			0.0	18.25
			1	1			25.64			0.0	25.70				17.94			0.0	18.25
		QPSK	1	123			25.46			0.0	25.70				17.98			0.0	18.25
			1	243			25.53			0.0	25.70				17.97			0.0	18.25
			120	0			24.53			1.0	24.70				17.98			0.0	18.25
			120	63			25.69			0.0	25.70				17.96			0.0	18.25
			120	125			24.56			1.0	24.70				18.00			0.0	18.25
			243	0			24.63			1.0	24.70				17.85			0.0	18.25
		16QAM	1	1			24.66			1.0	24.70				18.15			0.0	18.25
		64QAM	1	1			23.04			2.5	23.20				18.03			0.0	18.25
		256QAM	1	1			21.14			4.5	21.20				18.04			0.0	18.25
		CP-OFDM	QPSK	1	1			24.18			1.5	24.20				18.25			0.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					649334	652666	656000	659334	662666	MFR	Tune-up Limit	649334	652666	656000	659334	662666	MFR	Tune-up Limit	
					3740.01 MHz	3789.99 MHz	3840 MHz	3890.01 MHz	3939.99 MHz			3740.01 MHz	3789.99 MHz	3840 MHz	3890.01 MHz	3939.99 MHz			
80 MHz	DFS-s OFDM	RV2 BPSK	1	1			25.45			0.0	25.70				18.10			0.0	18.25
			1	1			25.60			0.0	25.70				17.96			0.0	18.25
		QPSK	1	109			25.50			0.0	25.70				17.92			0.0	18.25
			1	215			25.46			0.0	25.70				17.88			0.0	18.25
			108	0			24.48			1.0	24.70				17.85			0.0	18.25
			108	55			25.50			0.0	25.70				17.87			0.0	18.25
			108	109			24.60			1.0	24.70				17.97			0.0	18.25
			216	0			24.54			1.0	24.70				17.96			0.0	18.25
		16QAM	1	1			24.65			1.0	24.70				18.03			0.0	18.25
		64QAM	1	1			22.97			2.5	23.20				18.14			0.0	18.25
		256QAM	1	1			21.16			4.5	21.20				18.17			0.0	18.25
		CP-OFDM	QPSK	1	1			24.06			1.5	24.20				18.09			0.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					648666	652334	656000	659666	663334	MFR	Tune-up Limit	648666	652334	656000	659666	663334	MFR	Tune-up Limit	
					3729.99 MHz	6785.01 MHz	3840 MHz	3894.99 MHz	3950.1 MHz			3729.99 MHz	6785.01 MHz	3840 MHz	3894.99 MHz	3950.1 MHz			
60 MHz	DFS-s OFDM	RV2 BPSK	1	1			25.32			0.0	25.70				18.06			0.0	18.25
			1	1			25.53			0.0	25.70				17.99			0.0	18.25
		QPSK	1	81			25.54			0.0	25.70				17.89			0.0	18.25
			1	160			25.52			0.0	25.70				17.95			0.0	18.25
			81	0			24.63			1.0	24.70				17.97			0.0	18.25
			81	40			25.52			0.0	25.70				17.82			0.0	18.25
			81	81			24.66			1.0	24.70				17.87			0.0	18.25
			162	0			24.46			1.0	24.70				17.86			0.0	18.25
		16QAM	1	1			24.49			1.0	24.70				18.16			0.0	18.25
		64QAM	1	1			23.14			2.5	23.20				18.24			0.0	18.25
		256QAM	1	1			20.95			4.5	21.20				18.00			0.0	18.25
		CP-OFDM	QPSK	1	1			23.96			1.5	24.20				18.13			0.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					648334	652166	656000	659834	663666	MFR	Tune-up Limit	648334	652166	656000	659834	663666	MFR	Tune-up Limit	
					3725.01 MHz	652166 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			3725.01 MHz	652166 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			
50 MHz	DFS-s OFDM	RV2 BPSK	1	1			25.27			0.0	25.70				17.99			0.0	18.25
			1	1			25.48			0.0	25.70				17.89			0.0	18.25
		QPSK	1	67			25.58			0.0	25.70				17.98			0.0	18.25
			1	131			25.70			0.0	25.70				17.90			0.0	18.25
			64	0			24.59			1.0	24.70				17.86			0.0	18.25
			64	35			25.66			0.0	25.70				17.98			0.0	18.25
			64	69			24.54			1.0	24.70				17.82			0.0	18.25
			128	0			24.49			1.0	24.70				17.97			0.0	18.25
		16QAM	1	1			24.69			1.0	24.70				18.12			0.0	18.25
		64QAM	1	1			23.16			2.5	23.20				18.21			0.0	18.25
		256QAM	1	1			21.13			4.5	21.20				18.00			0.0	18.25
		CP-OFDM	QPSK	1	1			24.05			1.5	24.20				18.00			0.0

NR Band 77 Measured Results (ANT7) (continued)

Power Mode A (dBm)																			Power Mode B (dBm)						
BW (MHz)	Modulation	Mode	RB Allocation	RB offset							MFR	Tune-up Limit							MFR	Tune-up Limit					
					648000 3720 MHz	652000 3780 MHz	656000 3840 MHz	660000 3900 MHz	664000 3960 MHz	648000 3720 MHz			652000 3780 MHz	656000 3840 MHz	660000 3900 MHz	664000 3960 MHz									
40 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	25.22	25.24	25.30	25.39	25.46	0.0	25.70	17.96	17.86	18.08	17.96	17.92	0.0	18.25							
			1	1	25.52	25.63	25.64	25.57	25.54	0.0	25.70	17.83	17.97	17.97	17.90	17.84	0.0	18.25							
		QPSK	1	53	25.69	25.45	25.55	25.57	25.58	0.0	25.70	17.85	18.00	17.83	17.89	17.84	0.0	18.25							
			1	104	25.69	25.47	25.56	25.54	25.45	0.0	25.70	17.85	17.88	17.99	17.88	17.96	0.0	18.25							
			50	0	24.54	24.63	24.62	24.61	24.65	1.0	24.70	17.92	17.81	17.94	17.98	17.98	0.0	18.25							
			50	28	25.49	25.60	25.56	25.62	25.48	0.0	25.70	17.97	17.95	17.81	17.93	17.91	0.0	18.25							
			50	56	24.63	24.57	24.57	24.50	24.50	1.0	24.70	17.92	17.88	17.81	17.91	17.95	0.0	18.25							
			100	0	24.66	24.58	24.56	24.47	24.57	1.0	24.70	17.91	17.90	17.89	17.92	17.84	0.0	18.25							
			16QAM	1	1	24.69	24.54	24.53	24.58	24.45	1.0	24.70	18.01	18.23	18.19	18.01	18.01	0.0	18.25						
			64QAM	1	1	23.12	22.96	23.04	23.15	23.16	2.5	23.20	18.11	18.22	18.15	18.13	18.23	0.0	18.25						
256QAM	1	1	20.96	21.19	21.08	20.96	21.17	4.5	21.20	18.01	18.25	18.23	18.08	18.20	0.0	18.25									
CP-OFDM	QPSK	1	1	24.04	24.10	24.12	24.02	24.04	1.5	24.20	18.23	18.24	18.14	18.07	18.00	0.0	18.25								
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)						MFR	Tune-up Limit	Power Mode B (dBm)						MFR	Tune-up Limit					
					647334 3710.01 MHz	651666 3774.99 MHz	656000 3840 MHz	660266 3903.99 MHz	664666 3969.99 MHz	647334 3710.01 MHz			651666 3774.99 MHz	656000 3840 MHz	660266 3903.99 MHz	664666 3969.99 MHz									
20 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	25.35	25.43	25.25	25.45	25.26	0.0	25.70	17.90	17.94	18.09	17.97	17.91	0.0	18.25							
			1	1	25.64	25.51	25.68	25.55	25.60	0.0	25.70	17.85	17.93	17.81	17.91	17.92	0.0	18.25							
		QPSK	1	26	25.47	25.50	25.46	25.49	25.46	0.0	25.70	17.87	17.94	17.87	17.93	17.93	0.0	18.25							
			1	49	25.70	25.50	25.69	25.60	25.51	0.0	25.70	17.90	17.95	17.91	17.81	17.84	0.0	18.25							
			25	0	24.68	24.66	24.61	24.62	24.53	1.0	24.70	17.96	17.98	17.96	17.94	17.81	0.0	18.25							
			25	13	25.64	25.57	25.47	25.56	25.54	0.0	25.70	17.94	17.96	17.84	17.86	17.86	0.0	18.25							
			25	26	24.64	24.60	24.63	24.58	24.67	1.0	24.70	17.88	17.93	17.83	17.98	17.81	0.0	18.25							
			50	0	24.50	24.70	24.67	24.61	24.54	1.0	24.70	17.87	17.85	17.90	17.85	17.96	0.0	18.25							
			16QAM	1	1	24.58	24.59	24.54	24.64	24.46	1.0	24.70	18.08	18.25	18.21	18.02	18.14	0.0	18.25						
			64QAM	1	1	23.01	23.03	23.12	22.99	23.16	2.5	23.20	18.24	18.02	18.23	18.00	18.11	0.0	18.25						
256QAM	1	1	21.06	21.06	20.95	21.03	20.98	4.5	21.20	18.11	18.16	18.20	18.07	18.09	0.0	18.25									
CP-OFDM	QPSK	1	1	24.12	24.18	24.02	24.07	23.96	1.5	24.20	18.17	18.14	18.24	18.21	18.00	0.0	18.25								

NR Band 77 Measured Results (ANT8)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)								
					650000	653000	656000	659000	662000	MFR	Tune-up Limit	650000	653000	656000	659000	662000	MFR	Tune-up Limit		
					3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz			3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz				
100 MHz	DFS-s OFDM	P2 BPSK	1	1			19.79			0.0	20.00				17.07			0.0	17.50	
			1	1			19.49			0.0	20.00				17.13			0.0	17.50	
			1	137			20.00			0.0	20.00				17.50			0.0	17.50	
			1	271			19.47			0.0	20.00				17.06			0.0	17.50	
			135	0			19.32			0.0	20.00				17.05			0.0	17.50	
			135	69			20.00			0.0	20.00				17.50			0.0	17.50	
			135	138			19.51			0.0	20.00				16.97			0.0	17.50	
			270	0			19.54			0.0	20.00				17.22			0.0	17.50	
		16QAM	1	1			19.93			0.0	20.00				17.29			0.0	17.50	
			64QAM	1	1			19.84			0.0	20.00				17.41			0.0	17.50
			256QAM	1	1			19.94			0.0	20.00				17.49			0.0	17.50
			CP-OFDM	QPSK	1	1			19.84			0.0	20.00				17.43			0.0
		BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
							649666	652834	656000	659166	662334	MFR	Tune-up Limit	649666	652834	656000	659166	662334	MFR	Tune-up Limit
3744.99 MHz	3792.51 MHz	3840 MHz	3887.49 MHz	3935.01 MHz	3744.99 MHz	3792.51 MHz	3840 MHz	3887.49 MHz	3935.01 MHz											
90 MHz	DFS-s OFDM	P2 BPSK	1	1			19.74			0.0	20.00				17.15			0.0	17.50	
			1	1			19.64			0.0	20.00				17.29			0.0	17.50	
			1	123			19.70			0.0	20.00				17.36			0.0	17.50	
			1	243			19.73			0.0	20.00				17.29			0.0	17.50	
			120	0			19.64			0.0	20.00				17.39			0.0	17.50	
			120	63			19.70			0.0	20.00				17.29			0.0	17.50	
			120	125			19.53			0.0	20.00				17.15			0.0	17.50	
			243	0			19.61			0.0	20.00				17.36			0.0	17.50	
		16QAM	1	1			19.85			0.0	20.00				17.35			0.0	17.50	
			64QAM	1	1			19.85			0.0	20.00				17.36			0.0	17.50
			256QAM	1	1			19.84			0.0	20.00				17.40			0.0	17.50
			CP-OFDM	QPSK	1	1			19.80			0.0	20.00				17.33			0.0
		BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
							649334	652666	656000	659334	662666	MFR	Tune-up Limit	649334	652666	656000	659334	662666	MFR	Tune-up Limit
3740.01 MHz	3789.99 MHz	3840 MHz	3890.01 MHz	3939.99 MHz	3740.01 MHz	3789.99 MHz	3840 MHz	3890.01 MHz	3939.99 MHz											
80 MHz	DFS-s OFDM	P2 BPSK	1	1			19.62			0.0	20.00				17.04			0.0	17.50	
			1	1			19.61			0.0	20.00				17.21			0.0	17.50	
			1	109			19.59			0.0	20.00				17.16			0.0	17.50	
			1	215			19.58			0.0	20.00				17.35			0.0	17.50	
			108	0			19.58			0.0	20.00				17.22			0.0	17.50	
			108	55			19.69			0.0	20.00				17.17			0.0	17.50	
			108	109			19.60			0.0	20.00				17.24			0.0	17.50	
			216	0			19.57			0.0	20.00				17.21			0.0	17.50	
		16QAM	1	1			19.93			0.0	20.00				17.48			0.0	17.50	
			64QAM	1	1			19.80			0.0	20.00				17.26			0.0	17.50
			256QAM	1	1			19.91			0.0	20.00				17.48			0.0	17.50
			CP-OFDM	QPSK	1	1			19.90			0.0	20.00				17.32			0.0
		BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
							648666	652334	656000	659666	663334	MFR	Tune-up Limit	648666	652334	656000	659666	663334	MFR	Tune-up Limit
3729.99 MHz	6785.01 MHz	3840 MHz	3894.99 MHz	3950.1 MHz	3729.99 MHz	6785.01 MHz	3840 MHz	3894.99 MHz	3950.1 MHz											
60 MHz	DFS-s OFDM	P2 BPSK	1	1			19.65			0.0	20.00				17.14			0.0	17.50	
			1	1			19.56			0.0	20.00				17.17			0.0	17.50	
			1	81			19.66			0.0	20.00				17.38			0.0	17.50	
			1	160			19.57			0.0	20.00				17.33			0.0	17.50	
			81	0			19.70			0.0	20.00				17.34			0.0	17.50	
			81	40			19.69			0.0	20.00				17.18			0.0	17.50	
			81	81			19.58			0.0	20.00				17.17			0.0	17.50	
			162	0			19.52			0.0	20.00				17.34			0.0	17.50	
		16QAM	1	1			19.90			0.0	20.00				17.50			0.0	17.50	
			64QAM	1	1			19.96			0.0	20.00				17.29			0.0	17.50
			256QAM	1	1			19.80			0.0	20.00				17.25			0.0	17.50
			CP-OFDM	QPSK	1	1			19.87			0.0	20.00				17.49			0.0
		BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
							648334	652166	656000	659834	663666	MFR	Tune-up Limit	648334	652166	656000	659834	663666	MFR	Tune-up Limit
3725.01 MHz	652166 MHz	3840 MHz	3897.51 MHz	3954.99 MHz	3725.01 MHz	652166 MHz	3840 MHz	3897.51 MHz	3954.99 MHz											
50 MHz	DFS-s OFDM	P2 BPSK	1	1			19.56			0.0	20.00				17.08			0.0	17.50	
			1	1			19.54			0.0	20.00				17.22			0.0	17.50	
			1	67			19.73			0.0	20.00				17.16			0.0	17.50	
			1	131			19.70			0.0	20.00				17.22			0.0	17.50	
			64	0			19.65			0.0	20.00				17.34			0.0	17.50	
			64	35			19.63			0.0	20.00				17.27			0.0	17.50	
			64	69			19.68			0.0	20.00				17.38			0.0	17.50	
			128	0			19.56			0.0	20.00				17.20			0.0	17.50	
		16QAM	1	1			19.87			0.0	20.00				17.29			0.0	17.50	
			64QAM	1	1			19.76			0.0	20.00				17.31			0.0	17.50
			256QAM	1	1			19.88			0.0	20.00				17.28			0.0	17.50
			CP-OFDM	QPSK	1	1			19.90			0.0	20.00				17.32			0.0

NR Band 77 Measured Results (ANT8) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648000	652000	656000	660000	664000	MFR	Tune-up Limit	648000	652000	656000	660000	664000	MFR	Tune-up Limit
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz		
40 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.65	19.76	19.61	19.65	19.73	0.0	20.00	17.08	17.19	17.15	16.97	17.19	0.0	17.50
			1	1	19.63	19.61	19.55	19.70	19.53	0.0	20.00	17.37	17.21	17.20	17.23	17.21	0.0	17.50
		1	53	19.66	19.58	19.64	19.70	19.58	0.0	20.00	17.26	17.19	17.16	17.32	17.30	0.0	17.50	
		QPSK	1	104	19.70	19.73	19.56	19.56	19.58	0.0	20.00	17.30	17.16	17.23	17.37	17.31	0.0	17.50
			50	0	19.61	19.63	19.65	19.54	19.57	0.0	20.00	17.27	17.34	17.16	17.38	17.20	0.0	17.50
			50	28	19.50	19.67	19.64	19.69	19.54	0.0	20.00	17.16	17.20	17.28	17.33	17.39	0.0	17.50
			50	56	19.73	19.72	19.57	19.72	19.73	0.0	20.00	17.28	17.19	17.39	17.21	17.20	0.0	17.50
			100	0	19.56	19.54	19.67	19.66	19.57	0.0	20.00	17.21	17.16	17.39	17.21	17.31	0.0	17.50
			16QAM	1	1	19.86	19.94	19.91	19.96	19.82	0.0	20.00	17.33	17.39	17.46	17.33	17.39	0.0
		64QAM	1	1	19.92	19.96	19.82	19.88	19.88	0.0	20.00	17.27	17.48	17.27	17.45	17.33	0.0	17.50
	256QAM	1	1	19.82	19.97	19.84	19.95	19.91	0.0	20.00	17.29	17.40	17.49	17.47	17.26	0.0	17.50	
	CP-OFDM	QPSK	1	1	19.79	19.93	19.76	19.76	19.99	0.0	20.00	17.36	17.38	17.35	17.49	17.25	0.0	17.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					647334	651666	656000	660266	664666	MFR	Tune-up Limit	647334	651666	656000	660266	664666	MFR	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 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.63	19.66	19.63	19.51	19.63	0.0	20.00	17.16	17.17	17.08	17.03	17.02	0.0	17.50
			1	1	19.53	19.65	19.59	19.60	19.60	0.0	20.00	17.32	17.39	17.32	17.34	17.15	0.0	17.50
		QPSK	1	26	19.62	19.63	19.59	19.55	19.55	0.0	20.00	17.16	17.39	17.26	17.30	17.29	0.0	17.50
			1	49	19.69	19.69	19.64	19.72	19.52	0.0	20.00	17.20	17.27	17.32	17.32	17.18	0.0	17.50
			25	0	19.65	19.53	19.74	19.63	19.63	0.0	20.00	17.23	17.34	17.27	17.20	17.28	0.0	17.50
			25	13	19.57	19.52	19.54	19.52	19.56	0.0	20.00	17.31	17.25	17.27	17.29	17.22	0.0	17.50
			25	26	19.66	19.70	19.64	19.58	19.74	0.0	20.00	17.32	17.24	17.34	17.34	17.18	0.0	17.50
			50	0	19.59	19.54	19.73	19.61	19.71	0.0	20.00	17.17	17.26	17.24	17.19	17.22	0.0	17.50
		16QAM	1	1	19.86	19.85	19.87	19.98	19.77	0.0	20.00	17.41	17.45	17.33	17.32	17.37	0.0	17.50
		64QAM	1	1	19.96	19.94	19.78	19.92	19.85	0.0	20.00	17.34	17.38	17.28	17.36	17.36	0.0	17.50
	256QAM	1	1	19.91	19.84	19.99	19.81	19.88	0.0	20.00	17.28	17.40	17.33	17.28	17.26	0.0	17.50	
	CP-OFDM	QPSK	1	1	19.84	19.88	19.87	19.77	19.95	0.0	20.00	17.43	17.46	17.34	17.37	17.30	0.0	17.50

NR Band 77 Measured Results (ANT9)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					650000	653000	656000	659000	662000	MFR	Tune-up Limit	650000	653000	656000	659000	662000	MFR	Tune-up Limit
					3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz			3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz		
100 MHz	DFS-s OFDM	P2 BPSK	1	1			24.96			0	25.20			19.16			0	19.50
			1	1			25.03			0	25.20			19.41			0	19.50
		QPSK	1	137			25.20			0	25.20			19.50			0	19.50
			1	271			25.03			0	25.20			19.40			0	19.50
			135	0			24.41			0.7	24.50			19.37			0	19.50
			135	69			25.20			0	25.20			19.50			0	19.50
			135	138			24.33			0.7	24.50			19.40			0	19.50
			270	0			24.36			0.7	24.50			19.48			0	19.50
			16QAM	1	1		24.19			1	24.20			19.28			0	19.50
			64QAM	1	1		22.69			2.5	22.70			19.26			0	19.50
			256QAM	1	1		20.64			4.5	20.70			19.28			0	19.50
		CP-OFDM	QPSK	1	1		23.65			1.5	23.70			19.34			0	19.50
90 MHz	DFS-s OFDM	P2 BPSK	1	1			24.82			0	25.20			19.23			0	19.50
			1	1			25.08			0	25.20			19.41			0	19.50
		QPSK	1	123			25.06			0	25.20			19.50			0	19.50
			1	243			25.01			0	25.20			19.36			0	19.50
			120	0			24.31			0.7	24.50			19.43			0	19.50
			120	63			24.99			0	25.20			19.48			0	19.50
			120	125			24.46			0.7	24.50			19.29			0	19.50
			243	0			24.32			0.7	24.50			19.29			0	19.50
			16QAM	1	1		24.09			1	24.20			19.30			0	19.50
			64QAM	1	1		22.54			2.5	22.70			19.29			0	19.50
			256QAM	1	1		20.46			4.5	20.70			19.42			0	19.50
		CP-OFDM	QPSK	1	1		23.55			1.5	23.70			19.48			0	19.50
80 MHz	DFS-s OFDM	P2 BPSK	1	1			24.93			0	25.20			19.14			0	19.50
			1	1			25.00			0	25.20			19.38			0	19.50
		QPSK	1	109			25.03			0	25.20			19.45			0	19.50
			1	215			24.98			0	25.20			19.41			0	19.50
			108	0			24.34			0.7	24.50			19.42			0	19.50
			108	55			25.03			0	25.20			19.39			0	19.50
			108	109			24.43			0.7	24.50			19.36			0	19.50
			216	0			24.49			0.7	24.50			19.45			0	19.50
			16QAM	1	1		24.10			1	24.20			19.48			0	19.50
			64QAM	1	1		22.49			2.5	22.70			19.28			0	19.50
			256QAM	1	1		20.47			4.5	20.70			19.28			0	19.50
		CP-OFDM	QPSK	1	1		23.67			1.5	23.70			19.47			0	19.50
60 MHz	DFS-s OFDM	P2 BPSK	1	1			24.93			0	25.20			19.14			0	19.50
			1	1			24.95			0	25.20			19.29			0	19.50
		QPSK	1	81			25.10			0	25.20			19.44			0	19.50
			1	160			25.02			0	25.20			19.46			0	19.50
			81	0			24.36			0.7	24.50			19.37			0	19.50
			81	40			25.12			0	25.20			19.43			0	19.50
			81	81			24.49			0.7	24.50			19.43			0	19.50
			162	0			24.33			0.7	24.50			19.36			0	19.50
			16QAM	1	1		24.10			1	24.20			19.30			0	19.50
			64QAM	1	1		22.61			2.5	22.70			19.48			0	19.50
			256QAM	1	1		20.67			4.5	20.70			19.30			0	19.50
		CP-OFDM	QPSK	1	1		23.69			1.5	23.70			19.44			0	19.50
50 MHz	DFS-s OFDM	P2 BPSK	1	1			25.09			0	25.20			19.22			0	19.50
			1	1			25.09			0	25.20			19.48			0	19.50
		QPSK	1	67			24.95			0	25.20			19.40			0	19.50
			1	131			25.06			0	25.20			19.25			0	19.50
			64	0			24.40			0.7	24.50			19.40			0	19.50
			64	35			25.19			0	25.20			19.30			0	19.50
			64	69			24.30			0.7	24.50			19.26			0	19.50
			128	0			24.32			0.7	24.50			19.39			0	19.50
			16QAM	1	1		24.17			1	24.20			19.44			0	19.50
			64QAM	1	1		22.58			2.5	22.70			19.33			0	19.50
			256QAM	1	1		20.51			4.5	20.70			19.26			0	19.50
		CP-OFDM	QPSK	1	1		23.55			1.5	23.70			19.30			0	19.50

NR Band 77 Measured Results (ANT9) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)								Power Mode B (dBm)							
					648000	652000	656000	660000	664000	MFR	Tune-up Limit	648000	652000	656000	660000	664000	MFR	Tune-up Limit		
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz				
40 MHz	DFS-s OFDM	Pv2 BPSK	1	1	24.89	24.98	24.84	24.88	24.89	0	25.20	19.19	19.20	19.17	19.09	19.18	0	19.50		
			1	1	25.13	25.08	25.10	25.13	25.17	0	25.20	19.26	19.37	19.26	19.47	19.35	0	19.50		
		1	53	25.16	24.95	25.03	25.11	25.05	0	25.20	19.47	19.50	19.48	19.31	19.47	0	19.50			
		QPSK	1	104	25.19	25.01	25.13	25.12	25.12	0	25.20	19.50	19.43	19.31	19.36	19.30	0	19.50		
			50	0	24.40	24.39	24.30	24.47	24.27	0.7	24.50	19.34	19.28	19.39	19.38	19.42	0	19.50		
			50	28	25.02	25.19	25.03	25.14	25.20	0	25.20	19.38	19.50	19.44	19.41	19.49	0	19.50		
			50	56	24.47	24.39	24.36	24.47	24.30	0.7	24.50	19.41	19.25	19.31	19.46	19.44	0	19.50		
			100	0	24.39	24.45	24.47	24.32	24.42	0.7	24.50	19.44	19.39	19.28	19.49	19.32	0	19.50		
			16QAM	1	1	24.17	24.13	24.05	24.19	24.10	1	24.20	19.42	19.36	19.38	19.27	19.39	0	19.50	
		64QAM	1	1	22.64	22.57	22.59	22.50	22.61	2.5	22.70	19.38	19.40	19.28	19.33	19.45	0	19.50		
		256QAM	1	1	20.56	20.48	20.49	20.69	20.58	4.5	20.70	19.37	19.47	19.30	19.48	19.39	0	19.50		
		CP-OFDM	QPSK	1	1	23.46	23.65	23.50	23.58	23.64	1.5	23.70	19.40	19.46	19.28	19.47	19.40	0	19.50	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)								Power Mode B (dBm)							
					647334	651666	656000	660266	664666	MFR	Tune-up Limit	647334	651666	656000	660266	664666	MFR	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 MHz	DFS-s OFDM	Pv2 BPSK	1	1	24.93	24.95	25.06	24.88	25.09	0	25.20	19.17	19.20	19.19	19.22	19.07	0	19.50		
			1	1	25.10	25.08	25.00	25.15	25.07	0	25.20	19.42	19.35	19.33	19.35	19.43	0	19.50		
		1	26	25.04	25.09	25.01	24.98	24.95	0	25.20	19.37	19.33	19.45	19.29	19.31	0	19.50			
		1	49	25.05	25.05	25.18	25.01	25.07	0	25.20	19.33	19.27	19.49	19.31	19.40	0	19.50			
		QPSK	25	0	24.45	24.41	24.44	24.48	24.31	0.7	24.50	19.29	19.26	19.41	19.40	19.28	0	19.50		
			25	13	25.17	25.06	25.04	25.14	25.07	0	25.20	19.49	19.34	19.43	19.28	19.31	0	19.50		
			25	26	24.27	24.43	24.27	24.38	24.33	0.7	24.50	19.38	19.29	19.47	19.32	19.30	0	19.50		
			50	0	24.36	24.26	24.38	24.29	24.30	0.7	24.50	19.35	19.29	19.26	19.44	19.31	0	19.50		
			16QAM	1	1	23.96	24.02	23.99	24.15	24.15	1	24.20	19.30	19.33	19.37	19.26	19.26	0	19.50	
			64QAM	1	1	22.46	22.45	22.69	22.70	22.58	2.5	22.70	19.33	19.38	19.38	19.44	19.33	0	19.50	
		256QAM	1	1	20.58	20.62	20.66	20.59	20.46	4.5	20.70	19.40	19.26	19.43	19.33	19.27	0	19.50		
		CP-OFDM	QPSK	1	1	23.61	23.57	23.67	23.58	23.66	1.5	23.70	19.42	19.44	19.42	19.34	19.34	0	19.50	

NR Band 77 Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					650000	653000	656000	659000	662000	MFR	Tune-up Limit	650000	653000	656000	659000	662000	MFR	Tune-up Limit	
					3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz			3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz			
100 MHz	DFS-s OFDM	RV2 BPSK	1	1			17.19			0.0	17.50				17.74			0.0	18.00
			1	1			17.40			0.0	17.50				17.83			0.0	18.00
		QPSK	1	137			17.50			0.0	17.50				18.00			0.0	18.00
			1	271			17.36			0.0	17.50				17.82			0.0	18.00
			135	0			17.32			0.0	17.50				17.76			0.0	18.00
			135	69			17.50			0.0	17.50				18.00			0.0	18.00
			135	138			17.44			0.0	17.50				17.83			0.0	18.00
			270	0			17.34			0.0	17.50				17.87			0.0	18.00
			1	1			17.49			0.0	17.50				17.94			0.0	18.00
		16QAM	1	1			17.38			0.0	17.50				17.76			0.0	18.00
		64QAM	1	1			17.42			0.0	17.50				17.90			0.0	18.00
		256QAM	1	1			17.33			0.0	17.50				17.86			0.0	18.00
CP-OFDM	QPSK	1	1			17.33			0.0	17.50				17.86			0.0	18.00	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					649666	652834	656000	659166	662334	MFR	Tune-up Limit	649666	652834	656000	659166	662334	MFR	Tune-up Limit	
					3744.99 MHz	3792.51 MHz	3840 MHz	3887.49 MHz	3935.01 MHz			3744.99 MHz	3792.51 MHz	3840 MHz	3887.49 MHz	3935.01 MHz			
90 MHz	DFS-s OFDM	RV2 BPSK	1	1			17.06			0.0	17.50				17.60			0.0	18.00
			1	1			17.37			0.0	17.50				17.76			0.0	18.00
		QPSK	1	123			17.35			0.0	17.50				17.77			0.0	18.00
			1	243			17.40			0.0	17.50				18.00			0.0	18.00
			120	0			17.44			0.0	17.50				17.81			0.0	18.00
			120	63			17.49			0.0	17.50				17.75			0.0	18.00
			120	125			17.49			0.0	17.50				17.81			0.0	18.00
			243	0			17.40			0.0	17.50				17.76			0.0	18.00
			16QAM	1	1			17.35			0.0	17.50				17.82			0.0
		64QAM	1	1			17.46			0.0	17.50				17.94			0.0	18.00
		256QAM	1	1			17.39			0.0	17.50				17.78			0.0	18.00
		CP-OFDM	QPSK	1	1			17.29			0.0	17.50				17.97			0.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					649334	652666	656000	659334	662666	MFR	Tune-up Limit	649334	652666	656000	659334	662666	MFR	Tune-up Limit	
					3740.01 MHz	3789.99 MHz	3840 MHz	3890.01 MHz	3939.99 MHz			3740.01 MHz	3789.99 MHz	3840 MHz	3890.01 MHz	3939.99 MHz			
80 MHz	DFS-s OFDM	RV2 BPSK	1	1			16.97			0.0	17.50				17.51			0.0	18.00
			1	1			17.42			0.0	17.50				17.95			0.0	18.00
		QPSK	1	109			17.41			0.0	17.50				17.83			0.0	18.00
			1	215			17.33			0.0	17.50				17.89			0.0	18.00
			1	215			17.25			0.0	17.50				17.86			0.0	18.00
			108	0			17.34			0.0	17.50				17.96			0.0	18.00
			108	55			17.38			0.0	17.50				17.85			0.0	18.00
			108	109			17.46			0.0	17.50				17.88			0.0	18.00
			216	0			17.45			0.0	17.50				17.88			0.0	18.00
		16QAM	1	1			17.44			0.0	17.50				17.93			0.0	18.00
		64QAM	1	1			17.39			0.0	17.50				17.91			0.0	18.00
		256QAM	1	1			17.32			0.0	17.50				17.85			0.0	18.00
CP-OFDM	QPSK	1	1			17.30			0.0	17.50				17.87			0.0	18.00	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					648666	652334	656000	659666	663334	MFR	Tune-up Limit	648666	652334	656000	659666	663334	MFR	Tune-up Limit	
					3729.99 MHz	6785.01 MHz	3840 MHz	3894.99 MHz	3950.1 MHz			3729.99 MHz	6785.01 MHz	3840 MHz	3894.99 MHz	3950.1 MHz			
60 MHz	DFS-s OFDM	RV2 BPSK	1	1			17.05			0.0	17.50				17.50			0.0	18.00
			1	1			17.28			0.0	17.50				17.76			0.0	18.00
		QPSK	1	81			17.32			0.0	17.50				17.88			0.0	18.00
			1	160			17.33			0.0	17.50				17.94			0.0	18.00
			81	0			17.45			0.0	17.50				17.87			0.0	18.00
			81	40			17.50			0.0	17.50				17.87			0.0	18.00
			81	81			17.28			0.0	17.50				17.80			0.0	18.00
			162	0			17.30			0.0	17.50				17.91			0.0	18.00
			16QAM	1	1			17.45			0.0	17.50				17.89			0.0
		64QAM	1	1			17.35			0.0	17.50				17.86			0.0	18.00
		256QAM	1	1			17.46			0.0	17.50				17.93			0.0	18.00
		CP-OFDM	QPSK	1	1			17.29			0.0	17.50				17.86			0.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					648334	652166	656000	659834	663666	MFR	Tune-up Limit	648334	652166	656000	659834	663666	MFR	Tune-up Limit	
					3725.01 MHz	652166 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			3725.01 MHz	652166 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			
50 MHz	DFS-s OFDM	RV2 BPSK	1	1			16.98			0.0	17.50				17.53			0.0	18.00
			1	1			17.44			0.0	17.50				17.75			0.0	18.00
		QPSK	1	67			17.47			0.0	17.50				17.97			0.0	18.00
			1	131			17.34			0.0	17.50				17.84			0.0	18.00
			64	0			17.34			0.0	17.50				17.92			0.0	18.00
			64	35			17.41			0.0	17.50				17.83			0.0	18.00
			64	69			17.40			0.0	17.50				17.91			0.0	18.00
			128	0			17.37			0.0	17.50				17.78			0.0	18.00
			16QAM	1	1			17.39			0.0	17.50				17.92			0.0
		64QAM	1	1			17.38			0.0	17.50				17.81			0.0	18.00
		256QAM	1	1			17.32			0.0	17.50				17.93			0.0	18.00
		CP-OFDM	QPSK	1	1			17.41			0.0	17.50				17.88			0.0

NR Band 77 Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648000 3720 MHz	652000 3780 MHz	656000 3840 MHz	660000 3900 MHz	664000 3960 MHz	MFR	Tune-up Limit	648000 3720 MHz	652000 3780 MHz	656000 3840 MHz	660000 3900 MHz	664000 3960 MHz	MFR	Tune-up Limit
40 MHz	DFS-s OFDM	P2 BPSK	1	1	17.10	16.98	17.09	16.90	17.15	0.0	17.50	17.77	17.64	17.57	17.60	17.57	0.0	18.00
			1	1	17.47	17.40	17.50	17.27	17.45	0.0	17.50	17.84	18.00	17.94	17.89	17.82	0.0	18.00
		QPSK	1	53	17.32	17.31	17.28	17.38	17.25	0.0	17.50	17.75	18.00	17.79	17.80	17.82	0.0	18.00
			1	104	17.38	17.35	17.25	17.49	17.28	0.0	17.50	17.83	17.81	17.96	17.80	17.92	0.0	18.00
			50	0	17.41	17.42	17.26	17.37	17.28	0.0	17.50	17.91	17.84	17.76	17.89	17.83	0.0	18.00
			50	28	17.27	17.35	17.47	17.30	17.42	0.0	17.50	17.81	17.84	17.78	17.87	17.85	0.0	18.00
			50	56	17.49	17.27	17.35	17.47	17.43	0.0	17.50	17.94	17.99	18.00	17.93	17.93	0.0	18.00
			100	0	17.37	17.48	17.48	17.28	17.49	0.0	17.50	17.85	17.93	17.85	17.76	17.93	0.0	18.00
			1	1	17.36	17.47	17.26	17.32	17.35	0.0	17.50	17.90	17.96	17.82	17.82	17.79	0.0	18.00
			64QAM	1	1	17.38	17.29	17.37	17.49	0.0	17.50	17.97	17.87	17.79	17.94	17.87	0.0	18.00
			256QAM	1	1	17.35	17.35	17.49	17.43	0.0	17.50	17.90	17.99	17.89	17.86	17.79	0.0	18.00
		CP-OFDM	QPSK	1	1	17.26	17.43	17.32	17.37	0.0	17.50	17.86	17.90	17.87	17.94	17.97	0.0	18.00
20 MHz	DFS-s OFDM	P2 BPSK	1	1	16.91	17.04	17.13	17.11	17.02	0.0	17.50	17.71	17.57	17.78	17.73	17.64	0.0	18.00
			1	1	17.37	17.29	17.30	17.48	17.43	0.0	17.50	17.79	17.85	17.93	17.84	17.92	0.0	18.00
		QPSK	1	26	17.41	17.42	17.32	17.39	17.25	0.0	17.50	17.85	17.94	17.85	17.85	17.99	0.0	18.00
			1	49	17.45	17.42	17.36	17.32	17.44	0.0	17.50	17.99	17.91	17.96	17.90	17.84	0.0	18.00
			25	0	17.28	17.33	17.28	17.43	17.45	0.0	17.50	18.00	17.98	17.96	17.75	17.83	0.0	18.00
			25	13	17.28	17.37	17.33	17.28	17.28	0.0	17.50	17.95	17.86	17.99	17.97	17.91	0.0	18.00
			25	26	17.39	17.38	17.32	17.26	17.48	0.0	17.50	17.76	17.83	17.77	17.89	17.86	0.0	18.00
			50	0	17.30	17.30	17.37	17.35	17.41	0.0	17.50	17.97	17.97	17.99	17.82	17.90	0.0	18.00
			16QAM	1	1	17.25	17.41	17.33	17.34	0.0	17.50	17.90	17.79	17.85	17.98	17.88	0.0	18.00
			64QAM	1	1	17.43	17.30	17.30	17.45	0.0	17.50	17.79	17.98	17.85	17.77	17.94	0.0	18.00
			256QAM	1	1	17.35	17.45	17.25	17.39	0.0	17.50	17.82	17.89	17.99	17.78	17.93	0.0	18.00
		CP-OFDM	QPSK	1	1	17.36	17.26	17.42	17.42	0.0	17.50	17.82	17.93	17.82	17.78	17.89	0.0	18.00

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.

Maximum Power

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)	ANT3											
		b (SISO)	g (SISO)	11n/11ac HT20 (SISO)	11ax HE20 SU (SISO)	11ax HE20 RU106 (SISO)	11ax HE20 RU52 (SISO)	11ax HE20 RU26 (SISO)	11n/11ac HT20 (MIMO)	11ax HE20 SU (MIMO)	11ax HE20 RU106 (MIMO)	11ax HE20 RU52 (MIMO)	11ax HE20 RU26 (MIMO)
1	2412	21.50	17.50	17.50	16.00	16.00	16.00	16.00	16.50	15.00	15.00	15.00	15.00
2	2417	22.00	19.50	19.50	18.00	18.00	18.00	18.00	18.50	17.00	17.00	17.00	17.00
3	2422	22.00	21.50	21.50	21.50	21.50	21.50	21.50	20.00	19.00	19.00	19.00	19.00
4	2427	22.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	20.00
5	2432	22.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	20.00
6	2437	22.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	20.00
7	2442	22.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	20.00
8	2447	22.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	20.00
9	2452	22.00	21.00	21.00	21.50	21.50	21.50	21.50	19.50	18.50	18.50	18.50	18.50
10	2457	22.00	19.50	19.50	18.00	18.00	18.00	18.00	18.50	17.00	17.00	17.00	17.00
11	2462	22.00	17.50	17.50	16.00	16.00	16.00	16.00	16.50	15.00	15.00	15.00	15.00
12	2467	22.00	15.50	15.50	14.00	14.00	14.00	14.00	14.00	13.00	13.00	13.00	13.00
13	2472	21.50	15.50	15.50	11.00	5.50	1.50	0.00	14.50	8.50	4.50	2.50	0.00
Channel	Frequency (MHz)	ANT4											
		b (SISO)	g (SISO)	11n/11ac HT20 (SISO)	11ax HE20 SU (SISO)	11ax HE20 RU106 (SISO)	11ax HE20 RU52 (SISO)	11ax HE20 RU26 (SISO)	11n/11ac HT20 (MIMO)	11ax HE20 SU (MIMO)	11ax HE20 RU106 (MIMO)	11ax HE20 RU52 (MIMO)	11ax HE20 RU26 (MIMO)
1	2412	21.25	17.50	17.50	16.00	16.00	16.00	16.00	16.50	15.00	15.00	15.00	15.00
2	2417	21.25	19.50	19.50	18.00	18.00	18.00	18.00	18.50	17.00	17.00	17.00	17.00
3	2422	21.25	21.25	21.25	21.25	21.25	21.25	21.25	20.00	19.00	19.00	19.00	19.00
4	2427	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	20.00
5	2432	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	20.00
6	2437	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	20.00
7	2442	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	20.00
8	2447	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25	20.00
9	2452	21.25	21.00	21.00	21.25	21.25	21.25	21.25	19.50	18.50	18.50	18.50	18.50
10	2457	21.25	19.50	19.50	18.00	18.00	18.00	18.00	18.50	17.00	17.00	17.00	17.00
11	2462	21.25	17.50	17.50	16.00	16.00	16.00	16.00	16.50	15.00	15.00	15.00	15.00
12	2467	21.25	15.50	15.50	14.00	14.00	14.00	14.00	14.00	13.00	13.00	13.00	13.00
13	2472	21.25	15.50	15.50	11.00	5.50	1.50	0.00	14.50	8.50	4.50	2.50	0.00

Wi-Fi 2.4 GHz ($P_{\text{cell OFF}}$ and $P_{\text{cell ON}}$)

For 2.4 GHz band, there are two use cases:

- $P_{\text{cell ON}}$: This will be used when both WWAN and Wi-Fi radios are ON.
- $P_{\text{cell OFF}}$: This will be used when only Wi-Fi radio is ON

Mode	Channel	Frequency (MHz)	$P_{\text{cell OFF}}$				$P_{\text{cell ON}}$			
			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	19.00	20.50	21.25	21.50	16.00	16.00	18.25
	2	2417	22.00	19.00	20.50	21.25	22.00	16.00	16.00	18.25
	3	2422	22.00	19.00	20.50	21.25	22.00	16.00	16.00	18.25
	4	2427	22.50	19.00	20.50	21.25	22.50	16.00	16.00	18.25
	5	2432	22.50	19.00	20.50	21.25	22.50	16.00	16.00	18.25
	6	2437	22.50	19.00	20.50	21.25	22.50	16.00	16.00	18.25
	7	2442	22.50	19.00	20.50	21.25	22.50	16.00	16.00	18.25
	8	2447	22.50	19.00	20.50	21.25	22.50	16.00	16.00	18.25
	9	2452	22.00	19.00	20.50	21.25	22.00	16.00	16.00	18.25
	10	2457	22.00	19.00	20.50	21.25	22.00	16.00	16.00	18.25
	11	2462	22.00	19.00	20.50	21.25	22.00	16.00	16.00	18.25
	12	2467	22.00	19.00	20.50	21.25	22.00	16.00	16.00	18.25
	13	2472	21.50	19.00	20.50	21.25	21.50	16.00	16.00	18.25

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	4	2427	22.50	22.50	Yes	1	2412	19.00	19.00	Yes
			6	2437	22.50	22.50		6	2437	19.00	19.00	
			8	2447	22.50	22.50		11	2462	19.00	19.00	
	ANT4	DSSS 802.11b	1	2412	20.50	20.50	Yes	1	2412	21.25	21.25	Yes
			6	2437	20.50	20.50		6	2437	21.25	21.25	
			11	2462	20.50	20.50		11	2462	21.25	21.25	
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	4	2427	22.50	22.50	Yes	1	2412	16.00	16.00	Yes
			6	2437	22.50	22.50		6	2437	16.00	16.00	
			8	2447	22.50	22.50		11	2462	16.00	16.00	
	ANT4	DSSS 802.11b	1	2412	16.00	16.00	Yes	1	2412	18.25	18.25	Yes
			6	2437	16.00	16.00		6	2437	18.25	18.25	
			11	2462	16.00	16.00		11	2462	18.25	18.25	

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 <1.6 W/kg and/or the MIMO output power is equal or less than a single chain, then no additional SAR measurements for simultaneously at the specified maximum output power of MIMO operation.

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

Maximum Power

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.

ANT5														
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-1	20 MHz	36	5180	18.50	18.50	18.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		40	5200	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		44	5220	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		48	5240	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
	40 MHz	38	5190		17.00	16.00	16.00	15.00	12.00	15.50	15.50	15.00	12.00	9.00
		46	5230		21.00	21.00	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
		80 MHz	42	5210		16.50	16.00	16.00	15.00	15.50	15.00	15.00	12.00	9.00
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-2A	20 MHz	52	5260	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		56	5280	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		60	5300	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		64	5320	18.50	18.50	18.00	15.00	12.00	12.00	17.00	17.00	15.00	12.00	9.00
	40 MHz	54	5270		21.00	21.00	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
		62	5310		17.00	16.00	16.00	15.00	12.00	15.50	15.50	15.00	12.00	9.00
	80 MHz	58	5290		16.50	16.00	16.00	15.00	12.00	15.00	15.00	15.00	12.00	9.00
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-2C	20 MHz	100	5500	18.30	18.30	18.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		104	5520	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		108	5540	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		112	5560	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		116	5580	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		120	5600	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		124	5620	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		128	5640	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		132	5660	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		136	5680	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
	40 MHz	140	5700	18.00	18.00	16.50	18.00	15.00	12.00	17.00	16.00	15.00	12.00	9.00
		144	5720	20.00	20.00	20.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		102	5510		16.50	16.00	16.00	15.00	12.00	15.50	15.50	15.00	12.00	9.00
		110	5550		21.00	21.00	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
		118	5590		21.00	21.00	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
	80 MHz	126	5630		21.00	21.00	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
		134	5670		20.50	19.00	18.00	15.00	12.00	20.00	18.50	15.00	12.00	9.00
		142	5710		21.00	21.00	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
		106	5530		15.50	15.00	15.00	15.00	12.00	14.80	14.00	14.00	12.00	9.00
	80 MHz	122	5610		21.50	21.50	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
		138	5690		21.50	21.50	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-3	20 MHz	149	5745	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
		153	5765	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
		157	5785	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
		161	5805	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
		165	5825	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
	40 MHz	151	5755		21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
		159	5795		21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
	80 MHz	155	5775		20.50	20.50	21.50	21.50	21.50	20.00	20.00	20.00	20.00	20.00

ANT6														
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-1	20 MHz	36	5180	18.50	18.50	18.00	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		40	5200	18.50	18.50	18.50	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		44	5220	18.50	18.50	18.50	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		48	5240	18.50	18.50	18.50	18.00	15.00	12.00	17.00	17.00	15.00	12.00	9.00
	40 MHz	38	5190		17.00	16.00	16.00	15.00	12.00	15.50	15.50	15.00	12.00	9.00
		46	5230		18.50	18.50	18.00	15.00	12.00	18.50	18.50	15.00	12.00	9.00
	80 MHz	42	5210		16.50	16.00	16.00	15.00	12.00	15.50	15.00	15.00	12.00	9.00
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-2A	20 MHz	52	5260	17.75	17.75	17.75	17.75	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		56	5280	17.75	17.75	17.75	17.75	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		60	5300	17.75	17.75	17.75	17.75	15.00	12.00	17.00	17.00	15.00	12.00	9.00
		64	5320	17.75	17.75	17.75	17.75	15.00	12.00	17.00	17.00	15.00	12.00	9.00
	40 MHz	54	5270		17.75	17.75	17.75	15.00	12.00	17.75	17.75	15.00	12.00	9.00
		62	5310		17.00	16.00	16.00	15.00	12.00	15.50	15.50	15.00	12.00	9.00
	80 MHz	58	5290		16.50	16.00	16.00	15.00	12.00	15.00	15.00	15.00	12.00	9.00
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-2C	20 MHz	100	5500	16.75	16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		104	5520	16.75	16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		108	5540	16.75	16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		112	5560	16.75	16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		116	5580	16.75	16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		120	5600	16.75	16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		124	5620	16.75	16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		128	5640	16.75	16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		132	5660	16.75	16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		136	5680	16.75	16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
	40 MHz	140	5700	16.75	16.75	16.50	16.75	15.00	12.00	16.75	16.00	15.00	12.00	9.00
		144	5720	16.75	16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		102	5510		16.50	16.00	16.00	15.00	12.00	15.50	15.50	15.00	12.00	9.00
		110	5550		16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		118	5590		16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
	80 MHz	126	5630		16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		134	5670		16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		142	5710		16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		106	5530		15.50	15.00	15.00	15.00	12.00	14.80	14.00	14.00	12.00	9.00
		122	5610		16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
		138	5690		16.75	16.75	16.75	15.00	12.00	16.75	16.75	15.00	12.00	9.00
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-3	20 MHz	149	5745	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
		153	5765	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
		157	5785	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
		161	5805	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
		165	5825	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	40 MHz	151	5755		18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
		159	5795		18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	80 MHz	155	5775		18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00

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	Pcell OFF				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/a c 20 MHz	36	5180	18.50	18.50	18.50	18.25	18.50	15.25	12.50	14.50
		40	5200	20.00	19.00	18.50	18.25	20.00	15.25	12.50	14.50
		44	5220	20.00	19.00	18.50	18.25	20.00	15.25	12.50	14.50
		48	5240	20.00	19.00	18.50	18.25	20.00	15.25	12.50	14.50
	802.11n/ac 40 MHz	38	5190	17.00	17.00	17.00	17.00	17.00	15.25	12.50	14.50
		46	5230	21.00	19.00	18.50	18.25	21.00	15.25	12.50	14.50
	802.11ac 80 MHz	42	5210	16.50	16.50	16.50	16.50	16.50	15.25	12.50	14.50
U-NII-2A 5.3 GHz (SISO)	802.11a/n/a c 20 MHz	52	5260	20.00	17.75	17.50	17.75	20.00	14.00	11.50	14.00
		56	5280	20.00	17.75	17.50	17.75	20.00	14.00	11.50	14.00
		60	5300	20.00	17.75	17.50	17.75	20.00	14.00	11.50	14.00
		64	5320	18.50	17.75	17.50	17.75	18.50	14.00	11.50	14.00
	802.11n/ac 40 MHz	54	5270	21.00	17.75	17.50	17.75	21.00	14.00	11.50	14.00
		62	5310	17.00	17.00	17.00	17.00	17.00	14.00	11.50	14.00
	802.11ac 80 MHz	58	5290	16.50	16.50	16.50	16.50	16.50	14.00	11.50	14.00
Mode	Bandwidth	Channel	Frequency	Pcell OFF				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/a c 20 MHz	100	5500	18.30	16.50	16.75	16.25	18.30	12.75	10.75	12.50
		104	5520	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		108	5540	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		112	5560	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		116	5580	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		120	5600	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		124	5620	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		128	5640	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		132	5660	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		136	5680	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
	802.11n/ac 40 MHz	140	5700	18.00	16.50	16.75	16.25	18.00	12.75	10.75	12.50
		144	5720	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		102	5510	16.50	16.50	16.50	16.25	16.50	12.75	10.75	12.50
		110	5550	21.00	16.50	16.75	16.25	21.00	12.75	10.75	12.50
		118	5590	21.00	16.50	16.75	16.25	21.00	12.75	10.75	12.50
	802.11ac 80 MHz	126	5630	21.00	16.50	16.75	16.25	21.00	12.75	10.75	12.50
		134	5670	20.50	16.50	16.75	16.25	20.50	12.75	10.75	12.50
		142	5710	21.00	16.50	16.75	16.25	21.00	12.75	10.75	12.50
	802.11ac 80 MHz	106	5530	15.50	15.50	15.50	15.50	15.50	12.75	10.75	12.50
		122	5610	21.50	16.50	16.75	16.25	21.50	12.75	10.75	12.50
		138	5690	21.50	16.50	16.75	16.25	21.50	12.75	10.75	12.50
Mode	Bandwidth	Channel	Frequency	Pcell OFF				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/a c 20 MHz	149	5745	21.50	17.50	18.00	18.00	21.50	13.75	12.00	14.25
		153	5765	21.50	17.50	18.00	18.00	21.50	13.75	12.00	14.25
		157	5785	21.50	17.50	18.00	18.00	21.50	13.75	12.00	14.25
		161	5805	21.50	17.50	18.00	18.00	21.50	13.75	12.00	14.25
		165	5825	21.50	17.50	18.00	18.00	21.50	13.75	12.00	14.25
	802.11n/ac 40 MHz	151	5755	21.00	17.50	18.00	18.00	21.00	13.75	12.00	14.25
		159	5795	21.00	17.50	18.00	18.00	21.00	13.75	12.00	14.25
	802.11ac 80 MHz	155	5775	20.50	17.50	18.00	18.00	20.50	13.75	12.00	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.

Power Mode	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)
Pcell OFF	ANT5	U-NII-2A	802.11n HT40	54	5270	21.00	21.00	Yes	U-NII-1	802.11n HT40	38	5190	17.00	17.00	Yes
				62	5310	17.00	17.00				46	5230	19.00	19.00	
		U-NII-2C	802.11ac VHT80	106	5530	15.50	15.50	Yes	U-NII-2C	802.11ac VHT80	106	5530	15.50	15.50	Yes
				122	5610	21.50	21.50				122	5610	16.50	16.50	
				138	5690	21.50	21.50				138	5690	16.50	16.50	
		U-NII-3	802.11a	149	5745	21.50	21.50	Yes	U-NII-3	802.11ac VHT80	155	5775	17.50	17.50	Yes
				157	5785	21.50	21.50								
				165	5825	21.50	21.50								
	ANT6	U-NII-1	802.11n HT40	38	5190	17.00	17.00	Yes	U-NII-1	802.11n HT40	38	5190	17.00	17.00	Yes
				46	5230	18.50	18.50				46	5230	18.25	18.25	
		U-NII-2C	802.11ac VHT80	106	5530	15.50	15.50	Yes	U-NII-2C	802.11ac VHT80	106	5530	15.50	15.50	Yes
				122	5610	16.75	16.75				122	5610	16.25	16.25	
				138	5690	16.75	16.75				138	5690	16.25	16.25	
		U-NII-3	802.11ac VHT80	155	5775	18.00	18.00	Yes	U-NII-3	802.11ac VHT80	155	5775	18.00	18.00	Yes
Pcell ON	ANT5	U-NII-2A	802.11n HT40	54	5270	21.00	21.00	Yes	U-NII-1	802.11ac VHT80	42	5120	15.25	15.25	Yes
				62	5310	17.00	17.00								
		U-NII-2C	802.11ac VHT80	106	5530	15.50	15.50	Yes	U-NII-2C	802.11ac VHT80	106	5530	12.75	12.75	Yes
				122	5610	21.50	21.50				122	5610	12.75	12.75	
				138	5690	21.50	21.50				138	5690	12.75	12.75	
		U-NII-3	802.11a	149	5745	21.50	21.50	Yes	U-NII-3	802.11ac VHT80	155	5775	13.75	13.75	Yes
				157	5785	21.50	21.50								
				165	5825	21.50	21.50								
	ANT6	U-NII-1	802.11ac VHT80	42	5210	12.50	12.50	Yes	U-NII-1	802.11ac VHT80	42	5210	14.50	14.50	Yes
				106	5530	10.75	10.75				106	5530	12.50	12.50	
		U-NII-2C	802.11ac VHT80	122	5610	10.75	10.75	Yes	U-NII-2C	802.11ac VHT80	122	5610	12.50	12.50	Yes
				138	5690	10.75	10.75				138	5690	12.50	12.50	
		U-NII-3	802.11ac VHT80	155	5775	12.00	12.00	Yes	U-NII-3	802.11ac VHT80	155	5775	14.25	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 $<1.6\text{W/kg}$ 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.

Bluetooth (P_{low} , P_{high} , and $P_{\text{standalone}}$)

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 $P_{\text{standalone}}$ is used with Wi-Fi and WWAN antennas are inactive.

Mode	Maximum Output Power (Tune-up Limit) (dBm)											
	Bluetooth P_{low}				Bluetooth P_{high}				Bluetooth $P_{\text{standalone}}$			
	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	10.5	8.0	9.5	10.0	20.0	14.0	15.5	16.0	20.0	19.0	20.0	20.0
EDR	10.5	8.0	9.5	10.0	16.0	14.0	15.5	16.0	16.0	16.0	16.0	16.0
LE	10.5	8.0	9.5	10.0	20.0	14.0	15.5	16.0	20.0	19.0	20.0	20.0
HDR	10.5	8.0	9.5	10.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

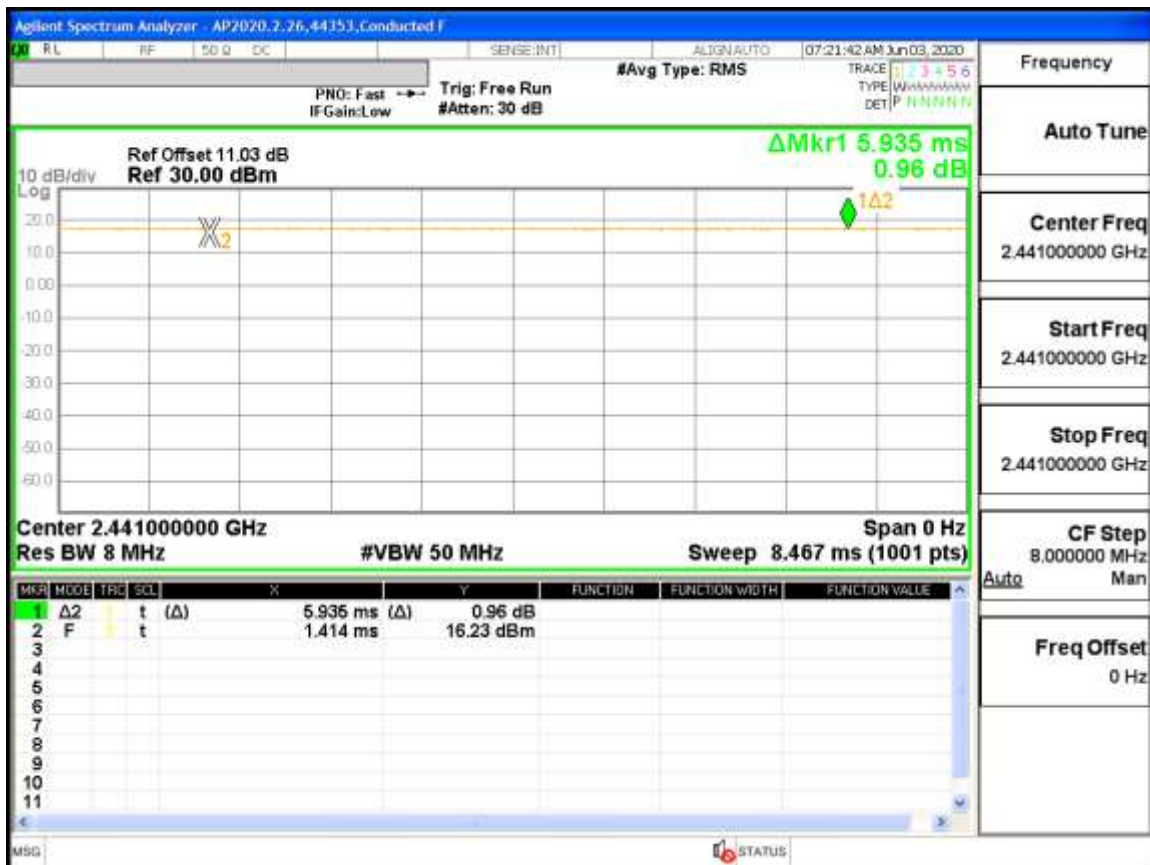
This device supports Bluetooth beamforming. SAR measurement is not required for Beamforming when the output power is equal or less than a single chain. Please refer to BT tune-up procedure.

Bluetooth Measured Results

SAR measurement is not required for the 8PSK, BLE, and HDR. When the secondary mode is $\leq \frac{1}{4}$ 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	10.50	10.50	Yes	8.00	8.00	Yes
			39	2441	10.50	10.50		8.00	8.00	
			78	2480	10.50	10.50		8.00	8.00	
	ANT4	GFSK	0	2402	9.50	9.50	Yes	10.00	10.00	Yes
			39	2441	9.50	9.50		10.00	10.00	
			78	2480	9.50	9.50		10.00	10.00	
Bluetooth P_{high}	ANT3	GFSK	0	2402	20.00	20.00	Yes	14.00	14.00	Yes
			39	2441	20.00	20.00		14.00	14.00	
			78	2480	20.00	20.00		14.00	14.00	
	ANT4	GFSK	0	2402	15.50	15.50	Yes	16.00	16.00	Yes
			39	2441	15.50	15.50		16.00	16.00	
			78	2480	15.50	15.50		16.00	16.00	
Bluetooth $P_{\text{standalone}}$	ANT3	GFSK	0	2402	20.00	20.00	Yes	19.00	19.00	Yes
			39	2441	20.00	20.00		19.00	19.00	
			78	2480	20.00	20.00		19.00	19.00	
	ANT4	GFSK	0	2402	20.00	20.00	Yes	20.00	20.00	Yes
			39	2441	20.00	20.00		20.00	20.00	
			78	2480	20.00	20.00		20.00	20.00	

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



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 $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 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	32.34	0.145	0.150	0.113	0.117	
					Left Tilt	190	836.6	32.50	32.34	0.123	0.128	0.095	0.099	
					Right Touch	190	836.6	32.50	32.34	0.207	0.215	0.157	0.163	1
					Right Tilt	190	836.6	32.50	32.34	0.102	0.106	0.082	0.085	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	190	836.6	32.50	32.34	0.508	0.527	0.283	0.294	2
					Front	190	836.6	32.50	32.34	0.191	0.198	0.118	0.122	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 2	190	836.6	32.50	32.34	0.566	0.587	0.358	0.371	3
					Edge 3	190	836.6	32.50	32.34	0.222	0.230	0.102	0.106	
					Edge 4	190	836.6	32.50	32.34	0.142	0.147	0.090	0.093	
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	30.61	0.645	0.706	0.427	0.467	4
					Left Tilt	190	836.6	31.00	30.61	0.621	0.679	0.306	0.335	
					Right Touch	190	836.6	31.00	30.61	0.641	0.701	0.403	0.441	
					Right Tilt	190	836.6	31.00	30.61	0.410	0.449	0.228	0.249	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	190	836.6	31.00	30.61	0.590	0.645	0.346	0.379	5
					Front	190	836.6	31.00	30.61	0.286	0.313	0.185	0.202	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	190	836.6	31.00	30.61	0.180	0.197	0.088	0.097	
					Edge 2	190	836.6	31.00	30.61	0.196	0.214	0.123	0.135	
					Edge 4	190	836.6	31.00	30.61	0.199	0.218	0.125	0.137	

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	31.00	30.00	0.113	0.142	0.073	0.092	6
					Left Tilt	661	1880.0	31.00	30.00	0.071	0.089	0.042	0.053	
					Right Touch	661	1880.0	31.00	30.00	0.246	0.310	0.151	0.190	
					Right Tilt	661	1880.0	31.00	30.00	0.062	0.078	0.038	0.048	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	661	1880.0	22.50	22.25	0.353	0.374	0.182	0.193	7
					Front	661	1880.0	22.50	22.25	0.359	0.380	0.175	0.185	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 2	661	1880.0	22.50	22.25	0.109	0.115	0.055	0.058	8
					Edge 3	512	1850.2	22.50	22.25	0.752	0.797	0.340	0.360	
						661	1880.0	22.50	22.25	0.829	0.878	0.378	0.400	
					Edge 4	661	1909.8	22.50	22.25	0.790	0.837	0.358	0.379	
ANT2	Head	GPRS 2 Slots	Mode A	0	Left Touch	661	1880.0	26.00	25.51	0.211	0.236	0.115	0.129	9
					Left Tilt	661	1880.0	26.00	25.51	0.231	0.259	0.117	0.131	
					Right Touch	512	1850.2	26.00	25.51	0.662	0.741	0.352	0.394	
						661	1880.0	26.00	25.51	0.760	0.851	0.403	0.451	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	810	1909.8	26.00	25.36	0.722	0.837	0.391	0.453	10
						661	1880.0	26.00	25.51	0.579	0.648	0.282	0.316	
					Front	512	1850.2	26.25	26.02	0.726	0.765	0.328	0.346	
						661	1880.0	26.25	25.75	0.764	0.857	0.339	0.380	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	810	1909.8	26.25	25.75	0.791	0.888	0.350	0.393	10
						661	1880.0	26.25	25.75	0.314	0.352	0.159	0.178	
					Edge 2	661	1880.0	26.25	25.75	0.526	0.590	0.237	0.266	
						661	1880.0	26.25	25.75	0.024	0.027	0.013	0.015	
ANT3	Head	GPRS 2 Slots	Mode A	0	Left Touch	661	1880.0	30.00	29.52	0.279	0.312	0.174	0.194	11
					Left Tilt	661	1880.0	30.00	29.52	0.140	0.156	0.082	0.091	
					Right Touch	661	1880.0	30.00	29.52	0.185	0.207	0.110	0.123	
					Right Tilt	661	1880.0	30.00	29.52	0.144	0.161	0.081	0.090	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	512	1850.2	25.50	25.05	0.834	0.925	0.453	0.502	12
						661	1880.0	25.50	25.12	0.835	0.911	0.465	0.508	
					Front	810	1909.8	25.50	25.25	0.906	0.960	0.505	0.535	
						661	1880.0	25.50	25.12	0.557	0.608	0.319	0.348	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 3	661	1880.0	25.50	25.12	0.203	0.222	0.104	0.114	13
						512	1850.2	25.50	25.05	0.850	0.943	0.460	0.510	
					Edge 4	661	1880.0	25.50	25.12	0.821	0.896	0.440	0.480	
						810	1909.8	25.50	25.25	0.911	0.965	0.499	0.529	
ANT4	Head	GPRS 2 Slots	Mode A	0	Left Touch	512	1850.2	25.00	24.76	0.661	0.699	0.338	0.357	14
						661	1880.0	25.00	25.00	0.884	0.884	0.442	0.442	
					Left Tilt	810	1909.8	25.00	24.86	0.943	0.974	0.470	0.485	
						661	1880.0	25.00	25.00	0.641	0.641	0.345	0.345	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Right Touch	661	1880.0	25.00	25.00	0.286	0.286	0.173	0.173	15
						661	1880.0	25.00	25.00	0.243	0.243	0.137	0.137	
					Front	661	1880.0	26.25	26.00	0.336	0.356	0.182	0.193	
						661	1880.0	26.25	26.00	0.246	0.261	0.141	0.149	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	661	1880.0	26.25	26.00	0.283	0.300	0.147	0.156	16
						512	1850.2	26.25	26.00	0.663	0.702	0.320	0.339	
					Edge 2	661	1880.0	26.25	26.00	0.781	0.827	0.375	0.397	
						810	1909.8	26.25	26.00	0.849	0.899	0.406	0.430	

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	25.70	25.09	0.183	0.211	0.117	0.135	17
					Left Tilt	9400	1880.0	25.70	25.09	0.103	0.119	0.060	0.069	
					Right Touch	9400	1880.0	25.70	25.09	0.344	0.396	0.215	0.247	
					Right Tilt	9400	1880.0	25.70	25.09	0.087	0.100	0.054	0.062	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9400	1880.0	16.50	16.21	0.432	0.462	0.219	0.234	18
					Front	9400	1880.0	16.50	16.21	0.415	0.444	0.199	0.213	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	9400	1880.0	16.50	16.21	0.109	0.117	0.054	0.058	19
					Edge 3	9262	1852.4	16.50	16.34	0.881	0.914	0.401	0.416	
						9400	1880.0	16.50	16.21	0.933	0.997	0.426	0.455	
					Edge 4	9538	1907.6	16.50	16.17	0.862	0.930	0.395	0.426	
ANT2	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9400	1880.0	20.00	19.75	0.228	0.242	0.121	0.128	20
					Left Tilt	9400	1880.0	20.00	19.75	0.266	0.282	0.130	0.138	
					Right Touch	9262	1852.4	20.00	19.75	0.859	0.910	0.445	0.471	
						9400	1880.0	20.00	19.75	0.897	0.950	0.466	0.494	
					Right Tilt	9538	1907.6	20.00	19.75	0.933	0.988	0.484	0.513	
						9400	1880.0	20.00	19.75	0.654	0.693	0.312	0.330	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9262	1852.4	20.25	20.08	0.829	0.862	0.365	0.380	21
						9400	1880.0	20.25	20.00	0.828	0.877	0.367	0.389	
					Front	9538	1907.6	20.25	19.94	0.827	0.888	0.367	0.394	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	9400	1880.0	20.25	20.00	0.550	0.583	0.277	0.293	
					Edge 2	9400	1880.0	20.25	20.00	0.481	0.510	0.219	0.232	
					Edge 4	9400	1880.0	20.25	20.00	0.009	0.009	0.004	0.004	
ANT3	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9400	1880.0	24.70	24.52	0.316	0.329	0.196	0.204	22
					Left Tilt	9400	1880.0	24.70	24.52	0.182	0.190	0.105	0.109	
					Right Touch	9400	1880.0	24.70	24.52	0.290	0.302	0.171	0.178	
					Right Tilt	9400	1880.0	24.70	24.52	0.189	0.197	0.105	0.109	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9262	1852.4	19.50	19.46	0.871	0.879	0.447	0.451	23
						9400	1880.0	19.50	19.30	0.863	0.904	0.461	0.483	
					Front	9538	1907.6	19.50	19.34	0.887	0.920	0.482	0.500	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 3	9400	1880.0	19.50	19.30	0.453	0.474	0.256	0.268	
					Edge 4	9400	1880.0	19.50	19.30	0.154	0.161	0.077	0.081	
ANT4	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9262	1852.4	19.00	18.90	0.801	0.820	0.405	0.414	24
						9400	1880.0	19.00	18.85	0.776	0.803	0.393	0.407	
					Left Tilt	9538	1907.6	19.00	18.84	0.893	0.927	0.457	0.474	
						9400	1880.0	19.00	18.85	0.514	0.532	0.261	0.270	
					Right Touch	9400	1880.0	19.00	18.85	0.227	0.235	0.136	0.141	
					Right Tilt	9400	1880.0	19.00	18.85	0.215	0.223	0.124	0.128	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9400	1880.0	20.25	19.83	0.412	0.454	0.214	0.236	25
					Front	9400	1880.0	20.25	19.83	0.336	0.370	0.177	0.195	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	9400	1880.0	20.25	19.83	0.230	0.253	0.115	0.127	
					Edge 2	9262	1852.4	20.25	19.91	0.685	0.741	0.330	0.357	
						9400	1880.0	20.25	19.83	0.850	0.936	0.411	0.453	
					Edge 4	9538	1907.6	20.25	19.77	0.886	0.990	0.426	0.476	26

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	25.70	25.20	0.184	0.206	0.125	0.140	27
					Left Tilt	1413	1732.6	25.70	25.20	0.133	0.149	0.086	0.097	
					Right Touch	1413	1732.6	25.70	25.20	0.356	0.399	0.232	0.260	
					Right Tilt	1413	1732.6	25.70	25.20	0.146	0.164	0.099	0.111	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1413	1732.6	17.00	16.40	0.563	0.646	0.276	0.317	28
					Front	1413	1732.6	17.00	16.40	0.434	0.498	0.212	0.243	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	1413	1732.6	17.00	16.40	0.194	0.223	0.103	0.118	29
					Edge 3	1312	1712.4	17.00	16.43	0.823	0.938	0.379	0.432	
						1413	1732.6	17.00	16.40	0.821	0.943	0.378	0.434	
						1513	1752.6	17.00	16.39	0.813	0.936	0.374	0.430	
					Edge 4	1413	1732.6	17.00	16.40	0.007	0.008	0.004	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	1413	1732.6	18.50	18.50	0.557	0.557	0.276	0.276	30
					Left Tilt	1413	1732.6	18.50	18.50	0.642	0.642	0.313	0.313	
					Right Touch	1312	1712.4	18.50	18.50	0.904	0.904	0.452	0.452	
						1413	1732.6	18.50	18.50	0.810	0.810	0.404	0.404	
						1513	1752.6	18.50	18.50	0.658	0.658	0.331	0.331	
					Right Tilt	1312	1712.4	18.50	18.50	0.994	0.994	0.467	0.467	
						1413	1732.6	18.50	18.50	0.819	0.819	0.385	0.385	
						1513	1752.6	18.50	18.50	0.653	0.653	0.305	0.305	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1413	1732.6	17.25	17.25	0.538	0.538	0.264	0.264	31
					Front	1413	1732.6	17.25	17.25	0.462	0.462	0.229	0.229	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	1312	1712.4	17.25	17.25	0.953	0.953	0.449	0.449	32
						1413	1732.6	17.25	17.25	0.815	0.815	0.384	0.384	
						1513	1752.6	17.25	17.25	0.686	0.686	0.324	0.324	
					Edge 2	1413	1732.6	17.25	17.25	0.015	0.015	0.008	0.008	
					Edge 4	1413	1732.6	17.25	17.25	0.272	0.272	0.145	0.145	
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	24.70	24.61	0.375	0.383	0.244	0.249	33
					Left Tilt	1413	1732.6	24.70	24.61	0.155	0.158	0.105	0.107	
					Right Touch	1413	1732.6	24.70	24.61	0.160	0.163	0.107	0.109	
					Right Tilt	1413	1732.6	24.70	24.61	0.171	0.175	0.105	0.107	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1312	1712.4	21.25	20.93	0.828	0.891	0.459	0.494	34
						1413	1732.6	21.25	20.95	0.747	0.800	0.418	0.448	
						1513	1752.6	21.25	20.91	0.892	0.965	0.489	0.529	
					Front	1413	1732.6	21.25	20.95	0.433	0.464	0.256	0.274	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 3	1413	1732.6	21.25	20.95	0.285	0.305	0.136	0.146	35
					Edge 4	1312	1712.4	21.25	20.93	0.838	0.902	0.445	0.479	
						1413	1732.6	21.25	20.95	0.925	0.991	0.480	0.514	
						1513	1752.6	21.25	20.91	0.913	0.987	0.465	0.503	
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	20.00	19.91	0.904	0.923	0.459	0.469	36
						1413	1732.6	20.00	19.83	0.897	0.933	0.331	0.344	
						1513	1752.6	20.00	19.77	0.866	0.913	0.441	0.465	
					Left Tilt	1413	1732.6	20.00	19.83	0.426	0.443	0.210	0.218	
					Right Touch	1413	1732.6	20.00	19.83	0.142	0.148	0.090	0.094	
					RightTilt	1413	1732.6	20.00	19.83	0.156	0.162	0.092	0.096	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1413	1732.6	21.00	21.00	0.434	0.434	0.237	0.237	37
					Front	1413	1732.6	21.00	21.00	0.293	0.293	0.161	0.161	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	1413	1732.6	21.00	21.00	0.193	0.193	0.086	0.086	38
					Edge 2	1312	1712.4	21.00	21.00	0.978	0.978	0.477	0.477	
						1413	1732.6	21.00	21.00	0.964	0.964	0.356	0.356	
						1513	1752.6	21.00	21.00	0.934	0.934	0.441	0.441	

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	25.19	0.173	0.195	0.135	0.152	
					Left Tilt	4183	836.6	25.70	25.19	0.118	0.133	0.094	0.106	
					Right Touch	4183	836.6	25.70	25.19	0.209	0.235	0.163	0.183	39
					RightTilt	4183	836.6	25.70	25.19	0.097	0.109	0.078	0.088	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	4183	836.6	25.70	25.19	0.697	0.784	0.391	0.440	40
					Front	4183	836.6	25.70	25.19	0.272	0.306	0.174	0.196	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	4183	836.6	25.70	25.19	0.620	0.697	0.398	0.448	
					Edge 3	4183	836.6	25.70	25.19	0.382	0.430	0.178	0.200	
					Edge 4	4183	836.6	25.70	25.19	0.216	0.243	0.138	0.155	
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	4183	836.6	23.90	23.80	0.719	0.736	0.462	0.473	41
					Left Tilt	4183	836.6	23.90	23.80	0.559	0.572	0.300	0.307	
					Right Touch	4183	836.6	23.90	23.80	0.701	0.717	0.457	0.468	
					Right Tilt	4183	836.6	23.90	23.80	0.467	0.478	0.273	0.279	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	4183	836.6	23.90	23.80	0.348	0.356	0.209	0.214	42
					Front	4183	836.6	23.90	23.80	0.235	0.240	0.158	0.162	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	4183	836.6	23.90	23.80	0.247	0.253	0.123	0.126	
					Edge 2	4183	836.6	23.90	23.80	0.166	0.170	0.108	0.111	
					Edge 4	4183	836.6	23.90	23.80	0.236	0.241	0.149	0.152	

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	25.70	25.50	0.201	0.210	0.158	0.165	
					Left Tilt	384	836.5	25.70	25.50	0.133	0.139	0.103	0.108	
					Right Touch	384	836.5	25.70	25.50	0.273	0.286	0.203	0.213	43
					Right Tilt	384	836.5	25.70	25.50	0.131	0.137	0.105	0.110	
		1xEVDO Rel. 0	Mode A	0	Left Touch	384	836.5	25.70	25.50	0.145	0.152	0.108	0.113	
					Left Tilt	384	836.5	25.70	25.50	0.052	0.054	0.040	0.042	
					Right Touch	384	836.5	25.70	25.50	0.183	0.192	0.135	0.141	
					Right Tilt	384	836.5	25.70	25.50	0.057	0.060	0.043	0.045	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	384	836.5	25.70	25.50	0.744	0.779	0.420	0.440	44
					Front	384	836.5	25.70	25.50	0.352	0.369	0.216	0.226	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	384	836.5	25.70	25.50	0.511	0.535	0.328	0.343	
					Edge 3	384	836.5	25.70	25.50	0.406	0.425	0.187	0.196	
					Edge 4	384	836.5	25.70	25.50	0.170	0.178	0.110	0.115	
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	23.90	23.70	0.601	0.629	0.388	0.406	
					Left Tilt	384	836.5	23.90	23.70	0.498	0.521	0.261	0.273	
					Right Touch	384	836.5	23.90	23.70	0.634	0.664	0.398	0.417	
					Right Tilt	384	836.5	23.90	23.70	0.459	0.481	0.253	0.265	
		1xEVDO Rel. 0	Mode A	0	Left Touch	384	836.5	23.90	23.70	0.634	0.664	0.416	0.436	
					Left Tilt	384	836.5	23.90	23.70	0.555	0.581	0.293	0.307	
					Right Touch	384	836.5	23.90	23.70	0.719	0.753	0.470	0.492	45
					Right Tilt	384	836.5	23.90	23.70	0.610	0.639	0.305	0.319	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	384	836.5	23.90	23.50	0.541	0.593	0.325	0.356	46
					Front	384	836.5	23.90	23.50	0.289	0.317	0.186	0.204	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	384	836.5	23.90	23.50	0.202	0.221	0.101	0.111	
					Edge 2	384	836.5	23.90	23.50	0.158	0.173	0.102	0.112	
					Edge 4	384	836.5	23.90	23.50	0.187	0.205	0.120	0.132	

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	25.70	25.00	0.144	0.169	0.096	0.113	47
					Left Tilt	600	1880.0	25.70	25.00	0.102	0.120	0.062	0.073	
					Right Touch	600	1880.0	25.70	25.00	0.235	0.276	0.156	0.183	
					Right Tilt	600	1880.0	25.70	25.00	0.128	0.150	0.083	0.098	
		1xEVDO Rel. 0	Mode A	0	Left Touch	600	1880.0	25.70	25.00	0.103	0.121	0.069	0.081	
					Left Tilt	600	1880.0	25.70	25.00	0.110	0.129	0.064	0.075	
					Right Touch	600	1880.0	25.70	25.00	0.199	0.234	0.126	0.148	
					Right Tilt	600	1880.0	25.70	25.00	0.101	0.119	0.063	0.074	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	600	1880.0	16.50	16.46	0.444	0.448	0.225	0.227	48
					Front	600	1880.0	16.50	16.46	0.412	0.416	0.198	0.200	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	600	1880.0	16.50	16.46	0.107	0.108	0.054	0.055	
					Edge 3	25	1851.3	16.50	16.04	0.804	0.894	0.368	0.409	
						600	1880.0	16.50	16.46	0.852	0.860	0.391	0.395	
						1175	1908.8	16.50	16.25	0.853	0.904	0.389	0.412	
					Edge 4	600	1880.0	16.50	16.46	0.025	0.025	0.013	0.013	
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	20.00	19.50	0.187	0.210	0.096	0.108	
					Left Tilt	600	1880.0	20.00	19.50	0.210	0.236	0.103	0.116	
					Right Touch	25	1851.3	20.00	19.50	0.718	0.806	0.372	0.417	
						600	1880.0	20.00	19.50	0.737	0.827	0.385	0.432	
					Right Tilt	1175	1908.8	20.00	19.50	0.768	0.862	0.403	0.452	50
						600	1880.0	20.00	19.50	0.575	0.645	0.262	0.294	
		1xEVDO Rel. 0	Mode A	0	Left Touch	600	1880.0	20.00	19.50	0.192	0.215	0.101	0.113	
					Left Tilt	600	1880.0	20.00	19.50	0.212	0.238	0.105	0.118	
					Right Touch	600	1880.0	20.00	19.50	0.690	0.774	0.359	0.403	
					Right Tilt	600	1880.0	20.00	19.50	0.539	0.605	0.247	0.277	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	25	1851.3	20.25	19.33	0.578	0.714	0.266	0.328	51
						600	1880.0	20.25	19.60	0.702	0.815	0.311	0.361	
						1175	1908.8	20.25	19.26	0.578	0.726	0.264	0.332	
					Front	600	1880.0	20.25	19.60	0.353	0.410	0.176	0.204	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	600	1880.0	20.25	19.60	0.478	0.555	0.216	0.251	
					Edge 2	600	1880.0	20.25	19.60	0.008	0.009	0.003	0.003	
					Edge 4	600	1880.0	20.25	19.60	0.379	0.440	0.188	0.218	

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	0.176	0.186	0.138	0.146	52
					Left Tilt	560	820.0	25.70	25.47	0.086	0.091	0.067	0.071	
					Right Touch	560	820.0	25.70	25.47	0.227	0.239	0.173	0.182	
					Right Tilt	560	820.0	25.70	25.47	0.106	0.112	0.085	0.090	
		1xEVDO Rel. 0	Mode A	0	Left Touch	560	820.0	25.70	25.47	0.132	0.139	0.097	0.102	
					Left Tilt	560	820.0	25.70	25.47	0.059	0.062	0.036	0.038	
					Right Touch	560	820.0	25.70	25.47	0.161	0.170	0.120	0.127	
					Right Tilt	560	820.0	25.70	25.47	0.058	0.061	0.041	0.043	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	560	820.0	25.70	25.60	0.761	0.779	0.414	0.424	53
					Front	560	820.0	25.70	25.60	0.334	0.342	0.200	0.205	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	560	820.0	25.70	25.60	0.493	0.504	0.316	0.323	
					Edge 3	560	820.0	25.70	25.60	0.402	0.411	0.185	0.189	
					Edge 4	560	820.0	25.70	25.60	0.154	0.158	0.099	0.101	
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	23.90	23.90	0.646	0.646	0.428	0.428	
					Left Tilt	560	820.0	23.90	23.90	0.511	0.511	0.267	0.267	
					Right Touch	560	820.0	23.90	23.90	0.644	0.644	0.426	0.426	
					Right Tilt	560	820.0	23.90	23.90	0.544	0.544	0.297	0.297	
		1xEVDO Rel. 0	Mode A	0	Left Touch	560	820.0	23.90	23.90	0.552	0.552	0.378	0.378	
					Left Tilt	560	820.0	23.90	23.90	0.492	0.492	0.270	0.270	
					Right Touch	560	820.0	23.90	23.90	0.673	0.673	0.441	0.441	
					Right Tilt	560	820.0	23.90	23.90	0.561	0.561	0.288	0.288	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	560	820.0	23.90	23.80	0.435	0.445	0.255	0.261	55
					Front	560	820.0	23.90	23.80	0.271	0.277	0.183	0.187	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	560	820.0	23.90	23.80	0.207	0.212	0.097	0.099	
					Edge 2	560	820.0	23.90	23.80	0.249	0.255	0.158	0.162	
					Edge 4	560	820.0	23.90	23.80	0.284	0.291	0.180	0.184	

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	25.20	0.160	0.180	0.125	0.140	
								25	12	24.70	24.20	0.125	0.140	0.098	0.110	
					Left Tilt	20525	836.5	1	25	25.70	25.20	0.129	0.145	0.101	0.113	
								25	12	24.70	24.20	0.102	0.114	0.080	0.090	
					Right Touch	20525	836.5	1	25	25.70	25.20	0.197	0.221	0.153	0.172	56
								25	12	24.70	24.20	0.165	0.185	0.128	0.144	
					Right Tilt	20525	836.5	1	25	25.70	25.20	0.137	0.154	0.109	0.122	
								25	12	24.70	24.20	0.112	0.126	0.089	0.100	
	Body & Hotspot	QPSK	Mode B	5	Rear	20525	836.5	1	25	25.70	25.20	0.592	0.664	0.338	0.379	57
								25	12	24.70	24.20	0.487	0.546	0.277	0.311	
					Front	20525	836.5	1	25	25.70	25.20	0.282	0.316	0.179	0.201	
								25	12	24.70	24.20	0.230	0.258	0.145	0.163	
	Hotspot	QPSK	Mode B	5	Edge 2	20525	836.5	1	25	25.70	25.20	0.579	0.650	0.367	0.412	
								25	12	24.70	24.20	0.483	0.542	0.256	0.287	
					Edge 3	20525	836.5	1	25	25.70	25.20	0.375	0.421	0.170	0.191	
								25	12	24.70	24.20	0.307	0.344	0.139	0.156	
					Edge 4	20525	836.5	1	25	25.70	25.20	0.199	0.223	0.127	0.142	
								25	12	24.70	24.20	0.160	0.180	0.101	0.113	

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	24.50	24.00	0.629	0.706	0.399	0.448	58
								25	12	23.50	23.00	0.611	0.686	0.406	0.456	
					Left Tilt	20525	836.5	1	25	24.50	24.00	0.552	0.619	0.294	0.330	
								25	12	23.50	23.00	0.534	0.599	0.282	0.316	
					Right Touch	20525	836.5	1	25	24.50	24.00	0.540	0.606	0.356	0.399	
								25	12	23.50	23.00	0.446	0.500	0.295	0.331	
					Right Tilt	20525	836.5	1	25	24.50	24.00	0.457	0.513	0.247	0.277	
								25	12	23.50	23.00	0.376	0.422	0.203	0.228	
	Body & Hotspot	QPSK	Mode B	5	Rear	20525	836.5	1	25	24.50	24.00	0.443	0.497	0.266	0.298	59
								25	12	23.50	23.00	0.363	0.407	0.218	0.245	
					Front	20525	836.5	1	25	24.50	24.00	0.287	0.322	0.198	0.222	
								25	12	23.50	23.00	0.234	0.263	0.162	0.182	
	Hotspot	QPSK	Mode B	5	Edge 1	20525	836.5	1	25	24.50	24.00	0.231	0.259	0.112	0.126	
								25	12	23.50	23.00	0.186	0.209	0.091	0.102	
					Edge 2	20525	836.5	1	25	24.50	24.00	0.205	0.230	0.126	0.141	
								25	12	23.50	23.00	0.168	0.188	0.104	0.117	
					Edge 4	20525	836.5	1	25	24.50	24.00	0.253	0.284	0.161	0.181	
								25	12	23.50	23.00	0.207	0.232	0.132	0.148	

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	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	24.90	0.196	0.236	0.149	0.179	
ANT 1	Body	QPSK	Mode B	5	Rear	20476	831.6	1	49	20575	841.5	1	0	25.70	24.90	0.539	0.648	0.315	0.379	
ANT 2	Head	QPSK	Mode A	0	Left Touch	20476	831.6	1	49	20575	841.5	1	0	24.50	23.80	0.575	0.676	0.364	0.428	
ANT 2	Body	QPSK	Mode B	5	Rear	20476	831.6	1	49	20575	841.5	1	0	24.50	23.80	0.436	0.512	0.265	0.311	

Note(s):

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

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	25.50	0.209	0.219	0.117	0.123						
								50	24	24.70	24.60	0.168	0.172	0.094	0.096						
					Left Tilt	21100	2535.0	1	49	25.70	25.50	0.142	0.149	0.079	0.083						
								50	24	24.70	24.60	0.112	0.115	0.061	0.062						
					Right Touch	21100	2535.0	1	49	25.70	25.50	0.388	0.406	0.196	0.205	60					
								50	24	24.70	24.60	0.317	0.324	0.161	0.165						
		Right Tilt	21100	2535.0	1	49	25.70	25.50	0.087	0.091	0.046	0.048									
					50	24	24.70	24.60	0.069	0.070	0.030	0.031									
		Body & Hotspot	QPSK	Mode B	5	Rear	21100	2535.0	1	49	19.50	19.50	0.628	0.628	0.279	0.279					
									50	24	19.50	19.50	0.644	0.644	0.285	0.285					
	Front					21100	2535.0	1	49	19.50	19.50	0.668	0.668	0.278	0.278						
								50	24	19.50	19.50	0.688	0.688	0.286	0.286	61					
	Hotspot	QPSK	Mode B	5	Edge 2	20850	2510.0	1	49	19.50	19.50	0.943	0.943	0.405	0.405						
								50	24	19.50	19.50	0.990	0.990	0.415	0.415	62					
						21100	2535.0	1	49	19.50	19.50	0.948	0.948	0.414	0.414						
								50	24	19.50	19.50	0.975	0.975	0.426	0.426						
								100	0	19.50	19.50	0.978	0.978	0.419	0.419						
								1	49	19.50	19.50	0.761	0.761	0.345	0.345						
					21350	2560.0	50	24	19.50	19.50	0.785	0.785	0.355	0.355							
							1	49	19.50	19.50	0.279	0.279	0.111	0.111							
					Edge 3	21100	2535.0	50	24	19.50	19.50	0.278	0.278	0.111	0.111						
								1	49	19.50	19.50	0.072	0.072	0.032	0.032						
					Edge 4	21100	2535.0	50	24	19.50	19.50	0.072	0.072	0.031	0.031						
					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	20850	2510.0	1	49	16.50	16.35	0.714	0.739	0.281	0.291	
													50	24	16.50	16.35	0.738	0.764	0.290	0.300	
21100											2535.0	1	49	16.50	16.35	0.833	0.862	0.320	0.331		
												50	24	16.50	16.35	0.849	0.879	0.327	0.338		
	100	0	16.50	16.35								0.889	0.920	0.338	0.350						
	1	49	16.50	16.35								0.703	0.728	0.271	0.281						
21350	2560.0	50	24	16.50						16.35	0.713	0.738	0.275	0.285							
		1	49	16.50						16.35	0.903	0.935	0.341	0.353							
Left Tilt	20850	2510.0	50	24						16.50	16.35	0.916	0.948	0.346	0.358	63					
			1	49						16.50	16.35	0.879	0.910	0.330	0.342						
	21100	2535.0	50	24						16.50	16.35	0.912	0.944	0.314	0.325						
			100	0						16.50	16.35	0.891	0.922	0.332	0.344						
			1	49						16.5											

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	23.00	23.00	0.940	0.940	0.509	0.509	66
								50	24	23.00	23.00	0.958	0.958	0.521	0.521	
						21100	2535.0	1	49	23.00	23.00	0.923	0.923	0.495	0.495	
								50	24	23.00	23.00	0.958	0.958	0.515	0.515	
								100	0	23.00	23.00	0.938	0.938	0.502	0.502	
						21350	2560.0	1	49	23.00	23.00	0.752	0.752	0.406	0.406	
								50	24	23.00	23.00	0.772	0.772	0.414	0.414	
					Left Tilt	21100	2535.0	1	49	23.00	23.00	0.294	0.294	0.153	0.153	
								50	24	23.00	23.00	0.256	0.256	0.133	0.133	
					Right Touch	21100	2535.0	1	49	23.00	23.00	0.497	0.497	0.277	0.277	
								50	24	23.00	23.00	0.431	0.431	0.240	0.240	
					Right Tilt	21100	2535.0	1	49	23.00	23.00	0.466	0.466	0.237	0.237	
								50	24	23.00	23.00	0.414	0.414	0.207	0.207	
	Body & Hotspot	QPSK	Mode B	5	Rear	21100	2535.0	1	49	18.00	17.60	0.611	0.670	0.304	0.333	67
								50	24	18.00	17.60	0.640	0.702	0.318	0.349	
					Front	21100	2535.0	1	49	18.00	17.60	0.330	0.362	0.174	0.191	
								50	24	18.00	17.60	0.342	0.375	0.180	0.197	
	Hotspot	QPSK	Mode B	5	Edge 3	21100	2535.0	1	49	18.00	17.60	0.293	0.321	0.142	0.156	
								50	24	18.00	17.60	0.304	0.333	0.148	0.162	
					Edge 4	20850	2510.0	1	49	18.00	17.90	0.950	0.972	0.429	0.439	68
								50	24	18.00	17.90	0.974	0.997	0.439	0.449	
						21100	2535.0	1	49	18.00	17.60	0.731	0.802	0.329	0.361	
								50	24	18.00	17.60	0.763	0.837	0.342	0.375	
								100	0	18.00	17.60	0.746	0.818	0.335	0.367	
						21350	2560.0	1	49	18.00	17.50	0.679	0.762	0.308	0.346	
								50	24	18.00	17.50	0.702	0.788	0.318	0.357	
ANT4	Head	QPSK	Mode A	0	Left Touch	20850	2510.0	1	49	20.00	20.00	0.971	0.971	0.412	0.412	69
								50	24	20.00	20.00	0.776	0.776	0.327	0.327	
						21100	2535.0	1	49	20.00	20.00	0.865	0.865	0.361	0.361	
								50	24	20.00	20.00	0.906	0.906	0.379	0.379	
								100	0	20.00	20.00	0.898	0.898	0.377	0.377	
						21350	2560.0	1	49	20.00	20.00	0.959	0.959	0.399	0.399	
								50	24	20.00	20.00	0.917	0.917	0.383	0.383	
					Left Tilt	21100	2535.0	1	49	20.00	20.00	0.639	0.639	0.275	0.275	
								50	24	20.00	20.00	0.651	0.651	0.281	0.281	
					Right Touch	21100	2535.0	1	49	20.00	20.00	0.295	0.295	0.155	0.155	
								50	24	20.00	20.00	0.305	0.305	0.162	0.162	
					Right Tilt	21100	2535.0	1	49	20.00	20.00	0.199	0.199	0.089	0.089	
								50	24	20.00	20.00	0.222	0.222	0.106	0.106	
	Body & Hotspot	QPSK	Mode B	5	Rear	20850	2510.0	1	49	21.50	21.00	0.731	0.820	0.309	0.347	70
								1	49	21.50	21.00	0.830	0.931	0.346	0.388	
						21100	2535.0	50	24	21.20	21.00	0.747	0.782	0.313	0.328	
								1	49	21.50	21.00	0.722	0.810	0.315	0.353	
					Front	21100	2535.0	1	49	21.50	21.00	0.533	0.598	0.245	0.275	
								50	24	21.20	21.00	0.441	0.462	0.203	0.213	
	Hotspot	QPSK	Mode B	5	Edge 1	21100	2535.0	1	49	21.50	21.00	0.147	0.165	0.059	0.066	
								50	24	21.20	21.00	0.115	0.120	0.046	0.049	
					Edge 2	20850	2510.0	1	49	21.50	21.00	0.664	0.745	0.306	0.343	
								1	49	21.50	21.00	0.784	0.880	0.359	0.403	
						21100	2535.0	50	24	21.20	21.00	0.656	0.687	0.301	0.315	
								1	49	21.50	21.00	0.883	0.991	0.399	0.448	

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	21001	2525.1	1	99	21199	2544.9	1	0	25.70	25.70	0.366	0.366	0.197	0.197	
ANT 1	Body	QPSK	Mode B	5	Front	21001	2525.1	1	99	21199	2544.9	1	0	19.50	19.50	0.440	0.440	0.190	0.190	
ANT 1	Hotspot	QPSK	Mode B	5	Edge 2	20850	2510.0	1	99	21048	2529.8	1	0	19.50	19.50	0.889	0.889	0.369	0.369	
ANT 2	Head	QPSK	Mode A	0	Left Tilt	20850	2510.0	1	99	21048	2529.8	1	0	16.50	16.10	0.647	0.709	0.250	0.274	
ANT 2	Body	QPSK	Mode B	5	Rear	21152	2540.2	1	99	21350	2560.0	1	0	17.50	17.30	0.635	0.665	0.251	0.263	
ANT 2	Hotspot	QPSK	Mode B	5	Edge 1	21152	2540.2	1	99	21350	2560.0	1	0	17.50	17.30	0.777	0.814	0.271	0.284	
ANT 3	Head	QPSK	Mode A	0	Left Touch	20850	2510.0	1	99	21048	2529.8	1	0	23.00	22.94	0.873	0.885	0.479	0.486	
ANT 3	Body	QPSK	Mode B	5	Rear	21001	2525.1	1	99	21199	2544.9	1	0	18.00	17.50	0.569	0.638	0.290	0.325	
ANT 3	Hotspot	QPSK	Mode B	5	Edge 4	20850	2510.0	1	99	21048	2529.8	1	0	18.00	17.80	0.728	0.762	0.329	0.345	
ANT 4	Head	QPSK	Mode A	0	Left Touch	20850	2510.0	1	99	21048	2529.8	1	0	20.00	20.00	0.880	0.880	0.355	0.355	
ANT 4	Body	QPSK	Mode B	5	Rear	21001	2525.1	1	99	21199	2544.9	1	0	21.50	21.00	0.827	0.928	0.329	0.369	
ANT 4	Hotspot	QPSK	Mode B	5	Edge 2	21152	2540.2	1	99	21350	2560.0	1	0	21.50	21.00	0.714	0.801	0.298	0.334	

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	25.20	0.130	0.146	0.103	0.116	
								25	12	24.70	24.20	0.106	0.119	0.084	0.094	
					Left Tilt	23095	707.5	1	25	25.70	25.20	0.074	0.083	0.060	0.067	
								25	12	24.70	24.20	0.060	0.067	0.048	0.054	
					Right Touch	23095	707.5	1	25	25.70	25.20	0.168	0.188	0.129	0.145	
								25	12	24.70	24.20	0.137	0.154	0.105	0.118	72
					Right Tilt	23095	707.5	1	25	25.70	25.20	0.078	0.088	0.063	0.071	
								25	12	24.70	24.20	0.063	0.071	0.051	0.057	
	Body & Hotspot	QPSK	Mode B	5	Rear	23095	707.5	1	25	25.70	25.20	0.660	0.741	0.370	0.415	73
								25	12	24.70	24.20	0.604	0.678	0.342	0.384	
					Front	23095	707.5	1	25	25.70	25.20	0.229	0.257	0.155	0.174	
								25	12	24.70	24.20	0.209	0.235	0.142	0.159	
	Hotspot	QPSK	Mode B	5	Edge 2	23095	707.5	1	25	25.70	25.20	0.566	0.635	0.365	0.410	
								25	12	24.70	24.20	0.513	0.576	0.332	0.373	
					Edge 3	23095	707.5	1	25	25.70	25.20	0.225	0.252	0.100	0.112	
								25	12	24.70	24.20	0.206	0.231	0.091	0.102	
					Edge 4	23095	707.5	1	25	25.70	25.20	0.238	0.267	0.153	0.172	
								25	12	24.70	24.20	0.216	0.242	0.138	0.155	
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	23.90	23.40	0.394	0.442	0.270	0.303	
								25	12	22.90	22.35	0.318	0.361	0.219	0.249	
					Left Tilt	23095	707.5	1	25	23.90	23.40	0.486	0.545	0.265	0.297	
								25	12	22.90	22.35	0.407	0.462	0.222	0.252	
					Right Touch	23095	707.5	1	25	23.90	23.40	0.509	0.571	0.314	0.352	74
								25	12	22.90	22.35	0.421	0.478	0.259	0.294	
					Right Tilt	23095	707.5	1	25	23.90	23.40	0.379	0.425	0.219	0.246	
								25	12	22.90	22.35	0.310	0.352	0.180	0.204	
	Body & Hotspot	QPSK	Mode B	5	Rear	23095	707.5	1	25	23.90	23.40	0.446	0.500	0.264	0.296	75
								25	12	22.90	22.35	0.372	0.422	0.219	0.249	
					Front	23095	707.5	1	25	23.90	23.40	0.270	0.303	0.186	0.209	
								25	12	22.90	22.35	0.223	0.253	0.153	0.174	
	Hotspot	QPSK	Mode B	5	Edge 1	23095	707.5	1	25	23.90	23.40	0.272	0.305	0.119	0.134	
								25	12	22.90	22.35	0.205	0.233	0.091	0.103	
					Edge 2	23095	707.5	1	25	23.90	23.40	0.166	0.186	0.105	0.118	
								25	12	22.90	22.35	0.077	0.087	0.048	0.054	
					Edge 4	23095	707.5	1	25	23.90	23.40	0.303	0.340	0.193	0.217	
								25	12	22.90	22.35	0.297	0.337	0.186	0.211	

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	25.20	0.171	0.192	0.134	0.150	
								25	12	24.70	24.20	0.136	0.153	0.106	0.119	
					Left Tilt	23230	782.0	1	25	25.70	25.20	0.104	0.117	0.082	0.092	
								25	12	24.70	24.20	0.087	0.098	0.069	0.077	
					Right Touch	23230	782.0	1	25	25.70	25.20	0.204	0.229	0.155	0.174	76
								25	12	24.70	24.20	0.169	0.190	0.128	0.144	
	Body & Hotspot	QPSK	Mode B	5	Right Tilt	23230	782.0	1	25	25.70	25.20	0.152	0.171	0.123	0.138	
								25	12	24.70	24.20	0.075	0.084	0.060	0.067	
					Rear	23230	782.0	1	25	25.70	25.20	0.459	0.515	0.278	0.312	77
								25	12	24.70	24.20	0.425	0.477	0.257	0.288	
					Front	23230	782.0	1	25	25.70	25.20	0.198	0.222	0.131	0.147	
								25	12	24.70	24.20	0.183	0.205	0.121	0.136	
	Hotspot	QPSK	Mode B	5	Edge 2	23230	782.0	1	25	25.70	25.20	0.568	0.637	0.360	0.404	78
								25	12	24.70	24.20	0.526	0.590	0.335	0.376	
					Edge 3	23230	782.0	1	25	25.70	25.20	0.217	0.243	0.093	0.104	
								25	12	24.70	24.20	0.196	0.220	0.085	0.095	
					Edge 4	23230	782.0	1	25	25.70	25.20	0.265	0.297	0.169	0.190	
								25	12	24.70	24.20	0.249	0.279	0.159	0.178	
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.
ANT2	Head	QPSK	Mode A	0	Left Touch	23230	782.0	1	25	23.90	23.40	0.331	0.371	0.241	0.270	
								25	12	22.90	22.40	0.270	0.303	0.195	0.219	
					Left Tilt	23230	782.0	1	25	23.90	23.40	0.529	0.594	0.280	0.314	79
								25	12	22.90	22.40	0.446	0.500	0.237	0.266	
					Right Touch	23230	782.0	1	25	23.90	23.40	0.359	0.403	0.246	0.276	
								25	12	22.90	22.40	0.291	0.327	0.200	0.224	
	Body & Hotspot	QPSK	Mode B	5	Right Tilt	23230	782.0	1	25	23.90	23.40	0.362	0.406	0.194	0.218	
								25	12	22.90	22.40	0.295	0.331	0.158	0.177	
					Rear	23230	782.0	1	25	23.90	23.40	0.315	0.353	0.194	0.218	80
								25	12	22.90	22.40	0.255	0.286	0.157	0.176	
					Front	23230	782.0	1	25	23.90	23.40	0.237	0.266	0.162	0.182	
								25	12	22.90	22.40	0.196	0.220	0.135	0.151	
	Hotspot	QPSK	Mode B	5	Edge 1	23230	782.0	1	25	23.90	23.40	0.154	0.173	0.075	0.084	
								25	12	22.90	22.40	0.126	0.141	0.062	0.069	
					Edge 2	23230	782.0	1	25	23.90	23.40	0.225	0.252	0.143	0.160	
								25	12	22.90	22.40	0.163	0.183	0.104	0.117	
					Edge 4	23230	782.0	1	25	23.90	23.40	0.373	0.419	0.238	0.267	81
								25	12	22.90	22.40	0.304	0.341	0.194	0.218	

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	25.20	0.176	0.197	0.136	0.153	
								25	12	24.70	24.20	0.145	0.163	0.113	0.127	
					Left Tilt	23330	793.0	1	25	25.70	25.20	0.129	0.145	0.100	0.112	
								25	12	24.70	24.20	0.105	0.118	0.082	0.092	
					Right Touch	23330	793.0	1	25	25.70	25.20	0.209	0.235	0.158	0.177	82
								25	12	24.70	24.20	0.168	0.188	0.127	0.142	
					Right Tilt	23330	793.0	1	25	25.70	25.20	0.109	0.122	0.088	0.099	
								25	12	24.70	24.20	0.089	0.100	0.072	0.081	
	Body & Hotspot	QPSK	Mode B	5	Rear	23330	793.0	1	25	25.70	25.20	0.291	0.327	0.181	0.203	83
								25	12	24.70	24.20	0.237	0.266	0.148	0.166	
					Front	23330	793.0	1	25	25.70	25.20	0.229	0.257	0.152	0.171	
								25	12	24.70	24.20	0.182	0.204	0.122	0.137	
					Edge 2	23330	793.0	1	25	25.70	25.20	0.528	0.592	0.334	0.375	84
								25	12	24.70	24.20	0.418	0.469	0.266	0.298	
					Edge 3	23330	793.0	1	25	25.70	25.20	0.220	0.247	0.094	0.105	
								25	12	24.70	24.20	0.174	0.195	0.075	0.084	
	Hotspot	QPSK	Mode B	5	Edge 4	23330	793.0	1	25	25.70	25.20	0.234	0.263	0.150	0.168	
								25	12	24.70	24.20	0.186	0.209	0.118	0.132	
ANT2	Head	QPSK	Mode A	0	Left Touch	23330	793.0	1	25	23.90	23.40	0.517	0.580	0.345	0.387	
								25	12	22.90	22.40	0.404	0.453	0.273	0.306	
					Left Tilt	23330	793.0	1	25	23.90	23.40	0.449	0.504	0.241	0.270	
								25	12	22.90	22.40	0.371	0.416	0.198	0.222	
					Right Touch	23330	793.0	1	25	23.90	23.40	0.518	0.581	0.341	0.383	85
								25	12	22.90	22.40	0.425	0.477	0.278	0.312	
					Right Tilt	23330	793.0	1	25	23.90	23.40	0.406	0.456	0.233	0.261	
								25	12	22.90	22.40	0.332	0.373	0.189	0.212	
	Body & Hotspot	QPSK	Mode B	5	Rear	23330	793.0	1	25	23.90	23.40	0.278	0.312	0.167	0.187	86
								25	12	22.90	22.40	0.233	0.261	0.139	0.156	
					Front	23330	793.0	1	25	23.90	23.40	0.168	0.188	0.118	0.132	
								25	12	22.90	22.40	0.139	0.156	0.096	0.108	
	Hotspot	QPSK	Mode B	5	Edge 1	23330	793.0	1	25	23.90	23.40	0.121	0.136	0.059	0.066	
								25	12	22.90	22.40	0.100	0.112	0.049	0.055	
					Edge 2	23330	793.0	1	25	23.90	23.40	0.137	0.154	0.086	0.096	
								25	12	22.90	22.40	0.114	0.128	0.072	0.081	
					Edge 4	23330	793.0	1	25	23.90	23.40	0.187	0.210	0.117	0.131	
								25	12	22.90	22.40	0.155	0.174	0.097	0.109	

10.14. LTE Band 25 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Pow er Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocatio n	RB offset	Pow er (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	25.70	25.40	0.160	0.171	0.103	0.110	87						
								50	24	24.70	24.50	0.125	0.131	0.081	0.085							
					Left Tilt	26365	1882.5	1	49	25.70	25.40	0.091	0.098	0.056	0.060							
								50	24	24.70	24.50	0.071	0.074	0.045	0.047							
					Right Touch	26365	1882.5	1	49	25.70	25.40	0.261	0.280	0.165	0.177							
								50	24	24.70	24.50	0.209	0.219	0.132	0.138							
					Right Tilt	26365	1882.5	1	49	25.70	25.40	0.092	0.098	0.057	0.062							
								50	24	24.70	24.50	0.072	0.075	0.045	0.047							
					Body & Hotspot	QPSK	Mode B	5	Rear	26365	1882.5	1	49	16.50	16.10		0.233	0.255	0.121	0.133		
												50	24	16.50	16.20		0.236	0.253	0.123	0.132		
									Front	26365	1882.5	1	49	16.50	16.10		0.377	0.413	0.175	0.192		
												50	24	16.50	16.20		0.383	0.410	0.178	0.191		
	Hotspot	QPSK	Mode B	5					Edge 2	26365	1882.5	1	49	16.50	16.10	0.105	0.115	0.055	0.060			
												50	24	16.50	16.20	0.105	0.113	0.054	0.058			
					Edge 3	26140	1860.0	1	49	16.50	16.10	0.821	0.900	0.370	0.406							
								50	24	16.50	16.20	0.759	0.813	0.351	0.376							
								26365	1882.5	1	49	16.50	16.10	0.849	0.931	0.383	0.420					
										50	24	16.50	16.20	0.859	0.920	0.388	0.416					
					26590	1905.0	100	0	16.50	16.10	0.846	0.928	0.381	0.418								
							1	49	16.50	16.00	0.715	0.802	0.331	0.371								
	Edge 4	26365	1882.5	50	24	16.50	16.20	0.745	0.798	0.345	0.370											
				1	49	16.50	16.10	0.006	0.006	0.002	0.002											
				50	24	16.50	16.20	0.007	0.007	0.002	0.002											
Antenna	RF Exposure Conditions	Mode	Pow er Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocatio n	RB offset	Pow er (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.						
ANT2	Head	QPSK	Mode A	0	Left Touch	26365	1882.5	1	49	20.00	19.50	0.233	0.261	0.125	0.140	90						
								50	24	20.00	19.50	0.235	0.264	0.125	0.140							
					Left Tilt	26365	1882.5	1	49	20.00	19.50	0.260	0.292	0.127	0.142							
								50	24	20.00	19.50	0.255	0.286	0.125	0.140							
					Right Touch	26140	1860.0	1	49	20.00	19.50	0.821	0.921	0.420	0.471							
								50	24	20.00	19.50	0.837	0.939	0.427	0.479							
								26365	1882.5	1	49	20.00	19.50	0.837	0.939		0.430	0.482				
										50	24	20.00	19.50	0.841	0.944		0.432	0.485				
								26590	1905.0	100	0	20.00	19.50	0.822	0.922		0.421	0.472				
										1	49	20.00	19.50	0.860	0.965		0.450	0.505				
					Right Tilt	26365	1882.5	50	24	20.00	19.50	0.859	0.964	0.447	0.502							
								1	49	20.00	19.50	0.665	0.746	0.320	0.359							
					Body & Hotspot	QPSK	Mode B	5	Rear	26140	1860.0	1	49	20.25	20.10		0.793	0.821	0.353	0.365		
												50	24	20.25	20.25		0.870	0.870	0.390	0.390		
												26365	1882.5	1	49		20.25	20.25	0.910	0.910	0.409	0.409
														50	24		20.25	20.25	0.809	0.809	0.359	0.359
									26590	1905.0	100	0	20.25	20.25	0.842		0.842	0.375	0.375			
											1	49	20.25	20.10	0.788		0.816	0.352	0.364			
	Front	26365	1882.5	50					24	20.25	20.25	0.865	0.865	0.385	0.385							
				1					49	20.25	20.25	0.589	0.589	0.295	0.295							
	Hotspot	QPSK	Mode B	5					Edge 1	26365	1882.5	50	24	20.25	20.25	0.474	0.474	0.237	0.237			
												1	49	20.25	20.25	0.586	0.586	0.267	0.267			
					Edge 2	26365	1882.5	1	49	20.25	20.25	0.016	0.016	0.008	0.008							
								50	24	20.25	20.25	0.290	0.290	0.156	0.156							
					Edge 4	26365	1882.5	1	49	20.25	20.25	0.469	0.469	0.242	0.242							
								50	24	20.25	20.25	0.483	0.483	0.248	0.248							

Antenna	RF Exposure Conditions	Mode	Pow er Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allo catio n	RB offset	Pow er (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	24.70	24.40	0.339	0.363	0.210	0.225	92			
								50	24	23.70	23.30	0.273	0.299	0.169	0.185				
					Left Tilt	26365	1882.5	1	49	24.70	24.40	0.162	0.174	0.101	0.108				
								50	24	23.70	23.30	0.131	0.144	0.083	0.091				
					Right Touch	26365	1882.5	1	49	24.70	24.40	0.318	0.341	0.176	0.189				
								50	24	23.70	23.30	0.188	0.206	0.109	0.120				
				Right Tilt	26365	1882.5	1	49	24.70	24.40	0.194	0.208	0.115	0.123					
							50	24	23.70	23.30	0.062	0.068	0.041	0.045					
				Body & Hotspot	QPSK	Mode B	5	Rear	26140	1860.0	1	49	19.50	19.25	0.848	0.898	0.456	0.483	
											50	24	19.50	19.25	0.864	0.915	0.464	0.491	
									26365	1882.5	1	49	19.50	19.25	0.865	0.916	0.464	0.491	
								50			24	19.50	19.25	0.895	0.948	0.475	0.503		
	26590	1905.0	100					0	19.50	19.25	0.880	0.932	0.469	0.497					
			1					49	19.50	19.25	0.890	0.943	0.477	0.505					
	Front	26365	1882.5				50	24	19.50	19.25	0.900	0.953	0.482	0.511	93				
							1	49	19.50	19.25	0.624	0.661	0.347	0.368					
	Edge 3	26365	1882.5				50	24	19.50	19.25	0.641	0.679	0.357	0.378					
							1	49	19.50	19.25	0.179	0.190	0.088	0.093					
	Hotspot	QPSK	Mode B	5	Edge 4	26365	1882.5	1	49	19.50	19.25	0.744	0.788	0.393	0.416				
								50	24	19.50	19.25	0.728	0.771	0.386	0.409				
					Edge 3	26365	1882.5	1	49	19.50	19.25	0.179	0.190	0.088	0.093				
				50				24	19.50	19.25	0.183	0.194	0.090	0.095					
				Edge 4	26365	1882.5	1	49	19.50	19.25	0.744	0.788	0.393	0.416					
							50	24	19.50	19.25	0.728	0.771	0.386	0.409					
Antenna	RF Exposure Conditions	Mode	Pow er Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allo catio n	RB offset	Pow er (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.			
ANT4	Head	QPSK	Mode A	0	Left Touch	26140	1860.0	1	49	19.00	18.75	0.850	0.900	0.407	0.431				
								50	24	19.00	18.61	0.894	0.978	0.425	0.465				
					26365	1882.5	1	49	19.00	18.75	0.937	0.993	0.448	0.475					
							50	24	19.00	18.80	0.949	0.994	0.453	0.474	94				
					26590	1905.0	100	0	19.00	18.60	0.893	0.979	0.448	0.491					
							1	49	19.00	18.75	0.814	0.862	0.418	0.443					
				Left Tilt	26365	1882.5	50	24	19.00	18.60	0.902	0.989	0.451	0.495					
							1	49	19.00	18.75	0.282	0.299	0.151	0.160					
				Right Touch	26365	1882.5	50	24	19.00	18.80	0.285	0.298	0.153	0.160					
							1	49	19.00	18.75	0.215	0.228	0.130	0.138					
				Right Tilt	26365	1882.5	50	24	19.00	18.80	0.213	0.223	0.129	0.135					
							1	49	19.00	18.75	0.142	0.150	0.079	0.084					
	Body & Hotspot	QPSK	Mode B	5	Rear	26365	1882.5	1	49	20.25	20.25	0.413	0.413	0.218	0.218	95			
								50	24	20.25	20.25	0.414	0.414	0.218	0.218				
					Front	26365	1882.5	1	49	20.25	20.25	0.251	0.251	0.139	0.139				
								50	24	20.25	20.25	0.250	0.250	0.139	0.139				
					Edge 1	26365	1882.5	1	49	20.25	20.25	0.227	0.227	0.111	0.111				
								50	24	20.25	20.25	0.227	0.227	0.112	0.112				
				Edge 2	26140	1860.0	1	49	20.25	20.25	0.737	0.737	0.350	0.350					
							50	24	20.25	20.25	0.763	0.763	0.361	0.361					
					26365	1882.5	1	49	20.25	20.25	0.841	0.841	0.398	0.398					
							50	24	20.25	20.25	0.842	0.842	0.396	0.396					
					26590	1905.0	100	0	20.25	20.25	0.824	0.824	0.388	0.388					
							1	49	20.25	20.25	0.970	0.970	0.458	0.458					

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	25.60	0.120	0.123	0.096	0.099	
								25	12	24.70	24.65	0.095	0.096	0.076	0.077	
					Left Tilt	26865	831.5	1	25	25.70	25.60	0.120	0.123	0.094	0.096	
								25	12	24.70	24.65	0.097	0.098	0.076	0.077	
					Right Touch	26865	831.5	1	25	25.70	25.60	0.196	0.201	0.150	0.153	97
								25	12	24.70	24.65	0.157	0.159	0.120	0.121	
					Right Tilt	26865	831.5	1	25	25.70	25.60	0.100	0.102	0.079	0.081	
								25	12	24.70	24.65	0.081	0.082	0.065	0.066	
	Body & Hotspot	QPSK	Mode B	5	Rear	26865	831.5	1	25	25.70	25.60	0.568	0.581	0.209	0.214	98
								25	12	24.70	24.65	0.470	0.475	0.186	0.188	
					Front	26865	831.5	1	25	25.70	25.60	0.262	0.268	0.166	0.170	
								25	12	24.70	24.65	0.212	0.214	0.135	0.137	
	Hotspot	QPSK	Mode B	5	Edge 2	26865	831.5	1	25	25.70	25.60	0.571	0.584	0.361	0.369	99
								25	12	24.70	24.65	0.462	0.467	0.293	0.296	
					Edge 3	26865	831.5	1	25	25.70	25.60	0.339	0.347	0.158	0.162	
								25	12	24.70	24.65	0.277	0.280	0.129	0.130	
					Edge 4	26865	831.5	1	25	25.70	25.60	0.166	0.170	0.105	0.107	
								25	12	24.70	24.65	0.158	0.160	0.102	0.103	
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.
ANT2	Head	QPSK	Mode A	0	Left Touch	26865	831.5	1	25	24.50	24.00	0.677	0.760	0.453	0.508	100
								25	12	23.50	23.00	0.499	0.560	0.356	0.399	
					Left Tilt	26865	831.5	1	25	24.50	24.00	0.628	0.705	0.325	0.365	
								25	12	23.50	23.00	0.604	0.678	0.311	0.349	
					Right Touch	26865	831.5	1	25	24.50	24.00	0.663	0.744	0.423	0.475	
								25	12	23.50	23.00	0.631	0.708	0.402	0.451	
					Right Tilt	26865	831.5	1	25	24.50	24.00	0.510	0.572	0.288	0.323	
								25	12	23.50	23.00	0.494	0.554	0.278	0.312	
	Body & Hotspot	QPSK	Mode B	5	Rear	26865	831.5	1	25	24.50	24.00	0.434	0.487	0.260	0.292	101
								25	12	23.50	23.00	0.357	0.401	0.214	0.240	
					Front	26865	831.5	1	25	24.50	24.00	0.262	0.294	0.176	0.197	
								25	12	23.50	23.00	0.213	0.239	0.143	0.160	
	Hotspot	QPSK	Mode B	5	Edge 1	26865	831.5	1	25	24.50	24.00	0.199	0.223	0.100	0.112	
								25	12	23.50	23.00	0.188	0.211	0.091	0.102	
					Edge 2	26865	831.5	1	25	24.50	24.00	0.223	0.250	0.141	0.158	
								25	12	23.50	23.00	0.180	0.202	0.114	0.128	
					Edge 4	26865	831.5	1	25	24.50	24.00	0.268	0.301	0.169	0.190	
								25	12	23.50	23.00	0.213	0.239	0.135	0.151	

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	25.30	0.229	0.251	0.122	0.134	
								25	12	24.70	24.40	0.222	0.238	0.116	0.124	
					Left Tilt	27710	2310.0	1	25	25.70	25.30	0.018	0.019	0.005	0.006	
								25	12	24.70	24.40	0.070	0.074	0.029	0.031	
					Right Touch	27710	2310.0	1	25	25.70	25.30	0.438	0.480	0.206	0.226	102
								25	12	24.70	24.40	0.351	0.376	0.165	0.177	
	Body & Hotspot	QPSK	Mode B	5	Right Tilt	27710	2310.0	1	25	25.70	25.30	0.066	0.072	0.038	0.042	
								25	12	24.70	24.40	0.043	0.046	0.014	0.014	
					Rear	27710	2310.0	1	25	21.00	21.00	0.770	0.770	0.340	0.340	
								25	12	21.00	21.00	0.793	0.793	0.349	0.349	
					Front	27710	2310.0	1	25	21.00	21.00	0.666	0.666	0.296	0.296	
								25	12	21.00	21.00	0.711	0.711	0.309	0.309	
	Hotspot	QPSK	Mode B	5	Edge 2	27710	2310.0	1	25	21.00	21.00	0.951	0.951	0.391	0.391	
								25	12	21.00	21.00	0.985	0.985	0.406	0.406	
					Edge 3	27710	2310.0	50	0	21.00	21.00	0.965	0.965	0.405	0.405	104
								1	25	21.00	21.00	0.259	0.259	0.108	0.108	
					Edge 4	27710	2310.0	25	12	21.00	21.00	0.270	0.270	0.112	0.112	
								1	25	21.00	21.00	0.194	0.194	0.089	0.089	
ANT2	Head	QPSK	Mode A	0	Edge 2	27710	2310.0	25	12	21.00	21.00	0.157	0.157	0.073	0.073	
								1	25	21.00	21.00	0.951	0.951	0.391	0.391	
					Edge 3	27710	2310.0	25	12	21.00	21.00	0.270	0.270	0.112	0.112	
								1	25	21.00	21.00	0.194	0.194	0.089	0.089	
					Edge 4	27710	2310.0	25	12	21.00	21.00	0.157	0.157	0.073	0.073	
								1	25	21.00	21.00	0.951	0.951	0.391	0.391	
					Edge 2	27710	2310.0	25	12	21.00	21.00	0.270	0.270	0.112	0.112	
								1	25	21.00	21.00	0.194	0.194	0.089	0.089	
					Edge 3	27710	2310.0	25	12	21.00	21.00	0.270	0.270	0.112	0.112	
								1	25	21.00	21.00	0.194	0.194	0.089	0.089	
					Edge 4	27710	2310.0	25	12	21.00	21.00	0.157	0.157	0.073	0.073	
								1	25	21.00	21.00	0.951	0.951	0.391	0.391	
	Body & Hotspot	QPSK	Mode B	5	Left Touch	27710	2310.0	1	25	19.75	19.50	0.391	0.414	0.174	0.184	
								25	12	19.75	19.50	0.394	0.417	0.174	0.184	
					Left Tilt	27710	2310.0	1	25	19.75	19.50	0.516	0.547	0.218	0.231	
								25	12	19.75	19.50	0.522	0.553	0.221	0.234	
					Right Touch	27710	2310.0	1	25	19.75	19.50	0.816	0.864	0.380	0.403	
								25	12	19.75	19.50	0.828	0.877	0.387	0.410	
					Right Tilt	27710	2310.0	50	0	19.75	19.50	0.906	0.960	0.406	0.430	105
								1	25	19.75	19.50	0.748	0.792	0.307	0.325	
					Rear	27710	2310.0	25	12	19.75	19.50	0.765	0.810	0.321	0.340	
								1	25	20.75	20.60	0.824	0.853	0.415	0.430	
					Front	27710	2310.0	25	12	20.75	20.73	0.882	0.886	0.434	0.436	106
								50	0	20.75	20.65	0.839	0.859	0.427	0.437	
	Hotspot	QPSK	Mode B	5	Edge 1	27710	2310.0	1	25	20.75	20.60	0.478	0.495	0.248	0.257	
								25	12	20.75	20.73	0.433	0.435	0.226	0.227	
					Edge 2	27710	2310.0	1	25	20.75	20.60	0.091	0.094	0.071	0.074	
								25	12	20.75	20.73	0.097	0.097	0.075	0.075	
					Edge 3	27710	2310.0	1	25	20.75	20.60	0.745	0.771	0.353	0.365	
								25	12	20.75	20.73	0.826	0.830	0.388	0.390	
					Edge 4	27710	2310.0	1	25	20.75	20.60	0.478	0.495	0.248	0.257	
								25	12	20.75	20.73	0.433	0.435	0.226	0.227	

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	24.70	24.25	0.504	0.559	0.285	0.316	107
								25	12	23.70	23.32	0.364	0.397	0.154	0.168	
					Left Tilt	27710	2310.0	1	25	24.70	24.25	0.157	0.174	0.088	0.098	
								25	12	23.70	23.32	0.136	0.148	0.074	0.081	
					Right Touch	27710	2310.0	1	25	24.70	24.25	0.405	0.449	0.187	0.207	
								25	12	23.70	23.32	0.322	0.351	0.148	0.162	
					Right Tilt	27710	2310.0	1	25	24.70	24.25	0.259	0.287	0.137	0.152	
								25	12	23.70	23.32	0.205	0.224	0.108	0.118	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	20.25	20.00	0.779	0.825	0.401	0.425	
								25	12	20.25	20.00	0.808	0.856	0.414	0.439	108
								50	0	20.25	20.00	0.803	0.851	0.420	0.445	
					Front	27710	2310.0	1	25	20.25	20.00	0.652	0.691	0.348	0.369	
								25	12	20.25	20.00	0.673	0.713	0.359	0.380	
								50	0	20.25	20.00	0.652	0.691	0.348	0.369	
	Hotspot	QPSK	Mode B	5	Edge 3	27710	2310.0	1	25	20.25	20.00	0.213	0.226	0.110	0.117	
								25	12	20.25	20.00	0.222	0.235	0.115	0.122	
								1	25	20.25	20.00	0.900	0.953	0.419	0.444	
					Edge 4	27710	2310.0	25	12	20.25	20.00	0.933	0.988	0.435	0.461	109
								50	0	20.25	20.00	0.929	0.984	0.432	0.458	
								1	25	20.25	20.00	0.933	0.988	0.435	0.461	
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	18.50	18.50	0.983	0.983	0.424	0.424	
								25	12	18.50	18.50	0.986	0.986	0.443	0.443	110
								50	0	18.50	18.50	0.934	0.934	0.426	0.426	
					Left Tilt	27710	2310.0	1	25	18.50	18.50	0.568	0.568	0.264	0.264	
								25	12	18.50	18.50	0.589	0.589	0.273	0.273	
					Right Touch	27710	2310.0	1	25	18.50	18.50	0.413	0.413	0.212	0.212	
								25	12	18.50	18.50	0.418	0.418	0.214	0.214	
								1	25	18.50	18.50	0.298	0.298	0.156	0.156	
	Body & Hotspot	QPSK	Mode B	5	Right Tilt	27710	2310.0	25	12	18.50	18.50	0.298	0.298	0.155	0.155	
								1	25	21.00	21.00	0.961	0.961	0.459	0.459	
								25	12	21.00	21.00	0.984	0.984	0.462	0.462	111
					Front	27710	2310.0	50	0	21.00	21.00	0.968	0.968	0.454	0.454	
								1	25	21.00	21.00	0.606	0.606	0.303	0.303	
								25	12	21.00	21.00	0.551	0.551	0.276	0.276	
	Hotspot	QPSK	Mode B	5	Edge 1	27710	2310.0	1	25	21.00	21.00	0.288	0.288	0.146	0.146	
								25	12	21.00	21.00	0.261	0.261	0.132	0.132	
								1	25	21.00	21.00	0.651	0.651	0.319	0.319	
					Edge 2	27710	2310.0	25	12	21.00	21.00	0.593	0.593	0.290	0.290	
								1	25	21.00	21.00	0.651	0.651	0.319	0.319	
								25	12	21.00	21.00	0.593	0.593	0.290	0.290	

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	25.50	0.109	0.114	0.064	0.067	
								50	24	24.70	24.60	0.087	0.089	0.051	0.052	
					Left Tilt	40620	2593.0	1	49	25.70	25.50	0.074	0.077	0.040	0.042	
								50	24	24.70	24.60	0.057	0.058	0.030	0.031	
					Right Touch	40620	2593.0	1	49	25.70	25.50	0.190	0.199	0.101	0.106	112
								50	24	24.70	24.60	0.153	0.157	0.082	0.084	
					Right Tilt	40620	2593.0	1	49	25.70	25.50	0.067	0.070	0.034	0.036	
								50	24	24.70	24.60	0.052	0.053	0.025	0.026	
	Body & Hotspot	QPSK	Mode B	5	Rear	40620	2593.0	1	49	22.25	22.00	0.601	0.637	0.271	0.287	
								50	24	22.25	22.10	0.621	0.643	0.280	0.290	113
					Front	40620	2593.0	1	49	22.25	22.00	0.329	0.348	0.139	0.147	
								50	24	22.25	22.10	0.337	0.349	0.141	0.146	
	Hotspot	QPSK	Mode B	5	Edge 2	39750	2506.0	1	49	22.25	22.00	0.909	0.963	0.387	0.410	
								50	24	22.25	22.10	0.936	0.969	0.398	0.412	114
						40185	2549.5	1	49	22.25	22.00	0.896	0.949	0.393	0.416	
								50	24	22.25	22.10	0.927	0.960	0.405	0.419	
						40620	2593.0	1	49	22.25	22.00	0.857	0.908	0.365	0.387	
								50	24	22.25	22.10	0.878	0.909	0.377	0.390	
								100	0	22.25	22.00	0.855	0.906	0.366	0.388	
								1	49	22.25	22.00	0.716	0.758	0.308	0.326	
					41055	2636.5		50	24	22.25	22.10	0.736	0.762	0.316	0.327	
								1	49	22.25	22.00	0.745	0.789	0.308	0.326	
						41490	2680.0	50	24	22.25	22.10	0.770	0.797	0.317	0.328	
								1	49	22.25	22.00	0.220	0.233	0.089	0.094	
					Edge 3	40620	2593.0	50	24	22.25	22.10	0.229	0.237	0.091	0.094	
								1	49	22.25	22.00	0.024	0.025	0.010	0.011	
					Edge 4	40620	2593.0	50	24	22.25	22.10	0.024	0.025	0.011	0.011	

Antenna	RF Exposure Conditions	Mode	Pow er 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	18.50	18.50	0.849	0.849	0.331	0.331			
								50	24	18.50	18.50	0.865	0.865	0.335	0.335			
						40185	2549.5	1	49	18.50	18.50	0.825	0.825	0.316	0.316			
								50	24	18.50	18.50	0.850	0.850	0.326	0.326			
						40620	2593.0	1	49	18.50	18.50	0.880	0.880	0.338	0.338			
								50	24	18.50	18.50	0.907	0.907	0.347	0.347			
								100	0	18.50	18.50	0.879	0.879	0.337	0.337			
					41055	2636.5	1	49	18.50	18.50	0.900	0.900	0.339	0.339				
							50	24	18.50	18.50	0.954	0.954	0.359	0.359				
					41490	2680.0	1	49	18.50	18.50	0.902	0.902	0.334	0.334				
							50	24	18.50	18.50	0.920	0.920	0.341	0.341				
							1	49	18.50	18.50	0.940	0.940	0.355	0.355				
					Left Tilt	39750	2506.0	50	24	18.50	18.50	0.968	0.968	0.365	0.365			
								1	49	18.50	18.50	0.918	0.918	0.341	0.341			
						40185	2549.5	50	24	18.50	18.50	0.897	0.897	0.333	0.333			
								1	49	18.50	18.50	0.986	0.986	0.363	0.363			
						40620	2593.0	50	24	18.50	18.50	0.952	0.952	0.350	0.350			
								100	0	18.50	18.50	0.987	0.987	0.364	0.364	115		
								1	49	18.50	18.50	0.886	0.886	0.320	0.320			
					41055	2636.5	50	24	18.50	18.50	0.895	0.895	0.323	0.323				
							1	49	18.50	18.50	0.832	0.832	0.296	0.296				
					41490	2680.0	50	24	18.50	18.50	0.852	0.852	0.305	0.305				
							Right Touch	40620	2593.0	1	49	18.50	18.50	0.705	0.705	0.286	0.286	
										50	24	18.50	18.50	0.719	0.719	0.291	0.291	
					Right Tilt	40620	2593.0	1	49	18.50	18.50	0.619	0.619	0.222	0.222			
								50	24	18.50	18.50	0.699	0.699	0.250	0.250			
	Body & Hotspot	QPSK	Mode B	5	Rear	40620	2593.0	1	49	19.75	19.75	0.777	0.777	0.316	0.316			
								50	24	19.75	19.75	0.793	0.793	0.321	0.321	116		
					Front	40620	2593.0	1	49	19.75	19.75	0.506	0.506	0.204	0.204			
								50	24	19.75	19.75	0.511	0.511	0.204	0.204			
	Hotspot	QPSK	Mode B	5	Edge 1	39750	2506.0	1	49	19.75	19.75	0.914	0.914	0.339	0.339			
								50	24	19.75	19.75	0.930	0.930	0.344	0.344			
						40185	2549.5	1	49	19.75	19.75	0.864	0.864	0.316	0.316			
								50	24	19.75	19.75	0.903	0.903	0.330	0.330			
						40620	2593.0	1	49	19.75	19.75	0.980	0.980	0.359	0.359	117		
								50	24	19.75	19.75	0.936	0.936	0.342	0.342			
								100	0	19.75	19.75	0.907	0.907	0.329	0.329			
						41055	2636.5	1	49	19.75	19.75	0.884	0.884	0.319	0.319			
								50	24	19.75	19.75	0.901	0.901	0.324	0.324			
						41490	2680.0	1	49	19.75	19.75	0.817	0.817	0.291	0.291			
								50	24	19.75	19.75	0.835	0.835	0.297	0.297			
					Edge 2	40620	2593.0	1	49	19.75	19.75	0.083	0.083	0.039	0.039			
								50	24	19.75	19.75	0.083	0.083	0.039	0.039			
					Edge 4	40620	2593.0	1	49	19.75	19.75	0.684	0.684	0.311	0.311			
								50	24	19.75	19.75	0.701	0.701	0.311	0.311			
Antenna	RF Exposure Conditions	Mode	Pow er 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.		
ANT3	Head	QPSK	Mode A	0	Left Touch	40620	2593.0	1	49	24.70	24.60	0.580	0.594	0.321	0.328	118		
								50	24	23.70	23.34	0.471	0.512	0.260	0.282			
					Left Tilt	40620	2593.0	1	49	24.70	24.60	0.142	0.145	0.073	0.075			
								50	24	23.70	23.34	0.114	0.124	0.059	0.064			
					Right Touch	40620	2593.0	1	49	24.70	24.60	0.301	0.308	0.170	0.174			
								50	24	23.70	23.34	0.245	0.266	0.137	0.149			
					Right Tilt	40620	2593.0	1	49	24.70	24.60	0.209	0.214	0.110	0.113			
								50	24	23.70	23.34	0.173	0.188	0.090	0.097			
	Body & Hotspot	QPSK	Mode B	5	Rear	40620	2593.0	1	49	20.00	19.20	0.548	0.659	0.280	0.337			
								50	24	20.00	19.30	0.564	0.663	0.288	0.338	119		
					Front	40620	2593.0	1	49	20.00	19.20	0.228	0.274	0.154	0.185			
								50	24	20.00	19.30	0.290	0.341	0.147	0.173			
	Hotspot	QPSK	Mode B	5	Edge 3	40620	2593.0	1	49	20.00	19.20	0.118	0.142	0.057	0.069			
								50	24	20.00	19.30	0.118	0.139	0.059	0.069			
					Edge 4	39750	2506.0	1	49	20.00	19.80	0.948	0.993	0.427	0.447			
								50	24	20.00	19.90	0.972	0.995	0.436	0.446	120		
						40185	2549.5	1	49	20.00	19.50	0.790	0.886	0.356	0.399			
								50	24	20.00	19.50	0.830	0.931	0.370	0.415			
						40620	2593.0	1	49	20.00	19.45	0.712	0.808	0.319	0.362			
								50	24	20.00	19.60	0.759	0.832	0.328	0.360			
								100	0	20.00	19.60	0.771	0.845	0.333	0.365			
						41055	2636.5	1	49	20.00	19.20	0.759	0.913	0.328	0.394			
								50	24	20.00	19.25	0.771	0.916	0.333	0.396			
					41490	2680.0	1	49	20.00	19.30	0.653	0.767	0.278	0.327				
							50	24	20.00	19.30	0.672	0.790	0.284	0.334				

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	39750	2506.0	1	49	21.75	21.75	0.743	0.743	0.323	0.323	
								50	24	21.20	21.15	0.622	0.629	0.270	0.273	
						40185	2549.5	1	49	21.75	21.75	0.851	0.851	0.362	0.362	
								50	24	21.20	21.15	0.725	0.733	0.309	0.313	
						40620	2593.0	1	49	21.75	21.75	0.845	0.845	0.352	0.352	
								50	24	21.20	21.15	0.721	0.729	0.299	0.302	
								100	0	21.20	21.20	0.703	0.703	0.291	0.291	
						41055	2636.5	1	49	21.75	21.75	0.751	0.751	0.312	0.312	
								50	24	21.20	21.15	0.595	0.602	0.246	0.249	
						41490	2680.0	1	49	21.75	21.75	0.989	0.989	0.406	0.406	121
								50	24	21.20	21.15	0.846	0.856	0.345	0.349	
					Left Tilt	40620	2593.0	1	49	21.75	21.75	0.593	0.593	0.243	0.243	
								50	24	21.20	21.15	0.518	0.524	0.213	0.215	
					Right Touch	40620	2593.0	1	49	21.75	21.75	0.210	0.210	0.096	0.096	
								50	24	21.20	21.15	0.180	0.182	0.082	0.083	
					Right Tilt	40620	2593.0	1	49	21.75	21.75	0.171	0.171	0.080	0.080	
								50	24	21.20	21.15	0.147	0.149	0.068	0.069	
	Body & Hotspot	QPSK	Mode B	5	Rear	40620	2593.0	1	49	22.20	22.00	0.699	0.732	0.277	0.290	122
								50	24	21.20	21.00	0.589	0.617	0.233	0.244	
					Front	40620	2593.0	1	49	22.20	22.00	0.315	0.330	0.143	0.150	
								50	24	21.20	21.00	0.272	0.285	0.123	0.129	
	Hotspot	QPSK	Mode B	5	Edge 1	40620	2593.0	1	49	22.20	22.00	0.125	0.131	0.052	0.055	
								50	24	21.20	21.00	0.272	0.285	0.123	0.129	
					Edge 2	40620	2593.0	1	49	22.20	22.00	0.514	0.538	0.229	0.240	
								50	24	21.20	21.00	0.437	0.458	0.195	0.204	

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	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	25.50	0.207	0.217	0.104	0.109	
ANT 1	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	22.25	21.89	0.548	0.595	0.264	0.287	
ANT 1	Hotspot	QPSK	Mode B	5	Edge 2	39750	2506.0	1	99	39948	2525.8	1	0	22.25	22.00	0.763	0.808	0.316	0.335	
ANT 2	Head	QPSK	Mode A	0	Left Tilt	41292	2660.2	1	99	41490	2680.0	1	0	18.50	18.43	0.869	0.883	0.313	0.318	
ANT 2	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	19.75	19.52	0.572	0.603	0.267	0.282	
ANT 2	Hotspot	QPSK	Mode B	5	Edge 1	40521	2583.1	1	99	40719	2602.9	1	0	19.75	19.49	0.915	0.971	0.333	0.354	
ANT 3	Head	QPSK	Mode A	0	Left Touch	40521	2583.1	1	99	40719	2602.9	1	0	24.70	24.70	0.586	0.586	0.293	0.293	
ANT 3	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	20.00	19.43	0.502	0.572	0.317	0.361	
ANT 3	Hotspot	QPSK	Mode B	5	Edge 4	39750	2506.0	1	99	39948	2525.8	1	0	20.00	19.51	0.772	0.864	0.355	0.397	
ANT 4	Head	QPSK	Mode A	0	Left Touch	41292	2660.2	1	99	41490	2680.0	1	0	21.75	21.75	0.949	0.949	0.371	0.371	
ANT 4	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	22.20	21.56	0.559	0.648	0.220	0.255	

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%	27.70	254.97	63.3%	25.70	235.18	0.199	0.216	8.41%
ANT3	Head	43.3%	26.70	202.53	63.3%	24.70	186.81	0.594	0.644	8.41%
ANT4	Body	43.3%	24.20	113.89	63.3%	22.20	105.05	0.732	0.794	8.41%

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	25.30	0.166	0.182	0.068	0.074	
								50	24	24.70	24.40	0.159	0.170	0.059	0.064	
					Left Tilt	56207	3646.7	1	49	25.70	25.30	0.086	0.095	0.030	0.033	
								50	24	24.70	24.40	0.067	0.072	0.024	0.025	
					Right Touch	56207	3646.7	1	49	25.70	25.30	0.269	0.295	0.094	0.103	123
								50	24	24.70	24.40	0.196	0.210	0.067	0.072	
					Right Tilt	56207	3646.7	1	49	25.70	25.30	0.104	0.114	0.033	0.037	
								50	24	24.70	24.40	0.079	0.085	0.032	0.035	
	Body & Hotspot	QPSK	Mode B	5	Rear	56207	3646.7	1	49	21.00	20.70	0.553	0.593	0.188	0.201	
								50	24	21.00	20.80	0.557	0.583	0.209	0.219	
					Front	56207	3646.7	1	49	21.00	20.70	0.381	0.408	0.129	0.138	
								50	24	21.00	20.80	0.383	0.401	0.128	0.134	
	Hotspot	QPSK	Mode B	5	Edge 2	55340	3560.0	1	49	21.00	20.70	0.728	0.780	0.257	0.275	
								50	24	21.00	20.80	0.766	0.802	0.285	0.298	
						55773	3603.3	1	49	21.00	20.70	0.739	0.792	0.269	0.288	
								50	24	21.00	20.80	0.769	0.805	0.279	0.292	
					56207	3646.7		1	49	21.00	20.70	0.792	0.849	0.282	0.302	125
								50	24	21.00	20.80	0.792	0.829	0.282	0.295	
								100	0	21.00	20.80	0.763	0.799	0.271	0.284	
								1	49	21.00	20.60	0.767	0.841	0.262	0.287	
					56640	3690.0		50	24	21.00	20.70	0.784	0.840	0.276	0.296	
								1	49	21.00	20.70	0.784	0.840	0.276	0.296	
								1	49	21.00	20.70	0.227	0.243	0.068	0.073	
								50	24	21.00	20.80	0.229	0.240	0.066	0.069	

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	55340	3560.0	1	49	19.50	19.50	0.901	0.901	0.333	0.333	
								50	24	19.50	19.50	0.911	0.911	0.325	0.325	
						55773	3603.3	1	49	19.50	19.50	0.931	0.931	0.362	0.362	
								50	24	19.50	19.50	0.954	0.954	0.365	0.365	
					56207	3646.7		1	49	19.50	19.50	0.929	0.929	0.346	0.346	131
								50	24	19.50	19.50	0.975	0.975	0.358	0.358	
								100	0	19.50	19.50	0.932	0.932	0.352	0.352	
								1	49	19.50	19.50	0.711	0.711	0.292	0.292	
					56640	3690.0		50	24	19.50	19.50	0.725	0.725	0.301	0.301	
								1	49	19.50	19.50	0.534	0.534	0.192	0.192	
								50	24	19.50	19.50	0.578	0.578	0.205	0.205	
					Left Tilt	56207	3646.7	1	49	19.50	19.50	0.295	0.295	0.116	0.116	
								50	24	19.50	19.50	0.272	0.272	0.105	0.105	
								1	49	19.50	19.50	0.169	0.169	0.065	0.065	
								50	24	19.50	19.50	0.175	0.175	0.067	0.067	
	Body & Hotspot	QPSK	Mode B	5	Rear	55340	3560.0	1	49	21.00	21.00	0.733	0.733	0.266	0.266	132
								50	24	21.00	20.96	0.673	0.679	0.243	0.245	
					Front	56207	3646.7	1	49	21.00	21.00	0.472	0.472	0.183	0.183	
								50	24	21.00	20.96	0.427	0.431	0.169	0.171	
	Hotspot	QPSK	Mode B	5	Edge 1	56207	3646.7	1	49	21.00	21.00	0.089	0.089	0.035	0.035	
								50	24	21.00	20.96	0.082	0.083	0.034	0.034	
					Edge 2	55340	3560.0	1	49	21.00	20.60	0.903	0.990	0.334	0.366	
								50	24	21.00	20.88	0.878	0.903	0.320	0.329	
						55773	3603.3	1	49	21.00	20.44	0.731	0.832	0.255	0.290	
								50	24	21.00	20.85	0.760	0.787	0.263	0.272	
						56207	3646.7	1	49	21.00	21.00	0.963	0.963	0.352	0.352	133
								50	24	21.00	20.96	0.868	0.876	0.316	0.319	
								100	0	21.00	20.86	0.808	0.834	0.296	0.306	
						56640	3690.0	1	49	21.00	20.23	0.797	0.952	0.272	0.325	
								50	24	21.00	20.56	0.812	0.899	0.277	0.307	
					Edge 4	56207	3646.7	1	49	22.70	22.60	0.009	0.009	0.003	0.003	
								50	24	21.70	21.66	0.006	0.006	0.002	0.002	

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	25.10	0.510	0.522	0.213	0.218	128				
								50	24	24.20	24.20	0.405	0.405	0.167	0.167					
					Left Tilt	56207	3646.7	1	49	25.20	25.10	0.017	0.017	0.004	0.004					
								50	24	24.20	24.20	0.010	0.010	0.002	0.002					
					Right Touch	56207	3646.7	1	49	25.20	25.10	0.131	0.134	0.064	0.065					
								50	24	24.20	24.20	0.108	0.108	0.052	0.052					
				Right Tilt	56207	3646.7	1	49	25.20	25.10	0.019	0.019	0.006	0.006						
							50	24	24.20	24.20	0.013	0.013	0.003	0.003						
				Body & Hotspot	QPSK	Mode B	5	Rear	56207	3646.7	1	49	22.50	22.30	0.336	0.352	0.144	0.151		
											50	24	22.50	22.40	0.333	0.341	0.143	0.146		
								Front	56207	3646.7	1	49	22.50	22.30	0.714	0.748	0.298	0.312	129	
											50	24	22.50	22.40	0.730	0.747	0.305	0.312		
	Hotspot	QPSK	Mode B					5	Edge 3	55340	3560.0	1	49	22.50	22.30	0.547	0.573	0.223	0.234	
												50	24	22.50	22.40	0.562	0.575	0.229	0.234	
				55773	3603.3	1	49			22.50	22.30	0.636	0.666	0.257	0.269					
						50	24			22.50	22.40	0.656	0.671	0.266	0.272					
				56207	3646.7	1	49			22.50	22.30	0.829	0.868	0.331	0.347					
						50	24			22.50	22.40	0.820	0.839	0.329	0.337					
				56640	3690.0	1	49		22.50	22.10	0.834	0.914	0.333	0.365						
						50	24		22.50	22.20	0.854	0.915	0.341	0.365	130					
						Edge 4	55340		3560.0	1	49	22.50	22.30	0.841	0.881	0.285	0.298			
										50	24	22.50	22.40	0.867	0.887	0.293	0.300			
						55773	3603.3		1	49	22.50	22.30	0.806	0.844	0.271	0.284				
									50	24	22.50	22.40	0.840	0.860	0.283	0.290				
	56207	3646.7	1	49	22.50	22.30	0.788	0.825	0.272	0.285										
			50	24	22.50	22.40	0.812	0.831	0.280	0.287										
			100	0	22.50	22.40	0.803	0.822	0.279	0.285										
			1	49	22.50	22.10	0.714	0.783	0.239	0.262										
			50	24	22.50	22.20	0.737	0.790	0.246	0.264										
			56640	3690.0																

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	56207	3646.7	1	49	22.00	21.95	0.298	0.301	0.093	0.094					
								50	24	22.00	21.20	0.212	0.255	0.062	0.075					
					Left Tilt	56207	3646.7	1	49	22.00	21.95	0.407	0.412	0.106	0.107					
								50	24	22.00	21.20	0.362	0.435	0.118	0.142					
					Right Touch	56207	3646.7	1	49	22.00	21.95	0.560	0.566	0.244	0.247	126				
								50	24	22.00	21.20	0.447	0.537	0.201	0.242					
					Right Tilt	56207	3646.7	1	49	22.00	21.95	0.633	0.640	0.264	0.267					
								50	24	22.00	21.20	0.553	0.665	0.232	0.279					
					Body & Hotspot	QPSK	Mode B	5	Rear	55340	3560.0	1	49	20.00	19.95	0.978	0.989	0.318	0.322	127
												55773	3603.3	1	49	20.00	19.95	0.874	0.884	0.249
										56207	3646.7	1	49	20.00	19.95	0.869	0.879	0.253	0.256	
												50	24	20.00	19.20	0.718	0.863	0.205	0.246	
	56640	3690.0		1					49	20.00	19.95	0.902	0.912	0.260	0.263					
	Front	56207	3646.7	1					49	20.00	19.95	0.189	0.191	0.066	0.067					
				50					24	20.00	19.20	0.150	0.180	0.054	0.065					
	Hotspot	QPSK	Mode B	5					Edge 1	56207	3646.7	1	49	20.00	19.95	0.227	0.230	0.061	0.062	
					50	24	20.00	19.20				0.179	0.215	0.051	0.061					
					Edge 4	56207	3646.7	1	49	20.00	19.95	0.246	0.249	0.089	0.090					
								50	24	20.00	19.20	0.195	0.234	0.073	0.088					

UL CA 48C

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 Allocatio	RB offset	Ch #.	Freq. (MHz)	RB Allocatio	RB offset	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	25.60	0.261	0.267	0.108	0.111	
ANT 7	Body	QPSK	Mode B	5	Rear	55891	3615.1	1	99	56089	3634.9	1	0	21.00	21.00	0.506	0.506	0.194	0.194	
ANT 7	Hotspot	QPSK	Mode B	5	Edge 2	55891	3615.1	1	99	56089	3634.9	1	0	21.00	20.65	0.709	0.769	0.257	0.279	
ANT 8	Head	QPSK	Mode A	0	Right Tilt	55891	3615.1	1	99	56089	3634.9	1	0	19.50	19.40	0.592	0.606	0.218	0.223	
ANT 8	Body	QPSK	Mode B	5	Rear	55340	3560.0	1	99	55538	3579.8	1	0	21.00	21.00	0.912	0.912	0.287	0.287	
ANT 9	Head	QPSK	Mode A	0	Left Touch	55891	3615.1	1	99	56089	3634.9	1	0	25.20	25.00	0.143	0.150	0.049	0.051	
ANT 9	Body	QPSK	Mode B	5	Front	56442	3607.2	1	99	56640	3690.0	1	0	22.50	22.20	0.699	0.749	0.303	0.325	
ANT 4	Head	QPSK	Mode A	0	Left Touch	55891	3615.1	1	99	56089	3634.9	1	0	22.00	21.50	0.509	0.571	0.172	0.193	
ANT 4	Body	QPSK	Mode B	5	Rear	56442	3607.2	1	99	56640	3690.0	1	0	20.00	19.70	0.573	0.614	0.164	0.176	
ANT 4	Hotspot	QPSK	Mode B	5	Edge 2	55891	3615.1	1	99	56089	3634.9	1	0	20.00	19.70	0.649	0.695	0.236	0.253	

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	25.70	25.20	0.139	0.156	0.096	0.107	
								50	24	24.70	24.40	0.113	0.121	0.078	0.084	
					Left Tilt	132322	1745.0	1	49	25.70	25.20	0.127	0.142	0.081	0.090	
								50	24	24.70	24.40	0.104	0.111	0.066	0.071	
					Right Touch	132322	1745.0	1	49	25.70	25.20	0.269	0.302	0.179	0.201	134
								50	24	24.70	24.40	0.216	0.231	0.143	0.153	
					Right Tilt	132322	1745.0	1	49	25.70	25.20	0.118	0.132	0.079	0.089	
								50	24	24.70	24.40	0.095	0.102	0.065	0.069	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	17.00	17.00	0.534	0.534	0.272	0.272	
								50	24	17.00	17.00	0.546	0.546	0.279	0.279	
					Front	132322	1745.0	1	49	17.00	17.00	0.474	0.474	0.229	0.229	
								50	24	17.00	17.00	0.485	0.485	0.234	0.234	
	Hotspot	QPSK	Mode B	5	Edge 2	132322	1745.0	1	49	17.00	17.00	0.207	0.207	0.110	0.110	
								50	24	17.00	17.00	0.214	0.214	0.113	0.113	
					Edge 3	132072	1720.0	1	49	17.00	17.00	0.894	0.894	0.406	0.406	
								50	24	17.00	17.00	0.928	0.928	0.420	0.420	
						132322	1745.0	1	49	17.00	17.00	0.908	0.908	0.412	0.412	
								50	24	17.00	17.00	0.936	0.936	0.424	0.424	
						132572	1770.0	100	0	17.00	17.00	0.902	0.902	0.409	0.409	136
								1	49	17.00	17.00	0.869	0.869	0.395	0.395	
					Edge 4	132572	1770.0	50	24	17.00	17.00	0.894	0.894	0.406	0.406	
								1	49	17.00	17.00	0.894	0.894	0.406	0.406	
					132322	1745.0		1	49	17.00	17.00	0.015	0.015	0.007	0.007	
								50	24	17.00	17.00	0.015	0.015	0.007	0.007	
ANT2	Head	QPSK	Mode A	0	Left Touch	132322	1745.0	1	49	18.50	17.80	0.460	0.540	0.229	0.269	
								50	24	18.50	17.80	0.481	0.565	0.239	0.281	
					Left Tilt	132322	1745.0	1	49	18.50	17.80	0.530	0.623	0.258	0.303	
								50	24	18.50	17.80	0.516	0.606	0.249	0.293	
					Right Touch	132072	1720.0	1	49	18.50	18.20	0.824	0.883	0.419	0.449	
								50	24	18.50	18.30	0.843	0.883	0.427	0.447	
						132322	1745.0	1	49	18.50	17.80	0.709	0.833	0.364	0.428	
								50	24	18.50	17.80	0.730	0.858	0.374	0.439	
						132572	1770.0	100	0	18.50	17.80	0.679	0.798	0.349	0.410	
								1	49	18.50	17.80	0.557	0.654	0.286	0.336	
					Right Tilt	132072	1720.0	50	24	18.50	17.80	0.562	0.660	0.289	0.340	
								1	49	18.50	18.20	0.887	0.950	0.414	0.444	
						132322	1745.0	50	24	18.50	18.30	0.913	0.956	0.426	0.446	137
								1	49	18.50	17.80	0.691	0.812	0.323	0.379	
						132572	1770.0	50	24	18.50	17.80	0.711	0.835	0.333	0.391	
								100	0	18.50	17.80	0.715	0.840	0.333	0.391	
						132572	1770.0	1	49	18.50	17.80	0.568	0.667	0.264	0.310	
								50	24	18.50	17.80	0.577	0.678	0.268	0.315	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	17.25	16.70	0.586	0.665	0.279	0.317	
								50	24	17.25	16.70	0.607	0.689	0.288	0.327	
					Front	132322	1745.0	1	49	17.25	16.70	0.439	0.498	0.212	0.241	
								50	24	17.25	16.70	0.440	0.499	0.215	0.244	
	Hotspot	QPSK	Mode B	5	Edge 1	132072	1720.0	1	49	17.25	17.00	0.885	0.937	0.404	0.428	
								50	24	17.25	17.00	0.927	0.982	0.424	0.449	
						132322	1745.0	1	49	17.25	16.70	0.724	0.822	0.339	0.385	
								50	24	17.25	16.70	0.713	0.809	0.334	0.379	
					Edge 2	132572	1770.0	100	0	17.25	16.70	0.755	0.857	0.345	0.392	
								1	49	17.25	16.70	0.566	0.642	0.259	0.294	
						132322	1745.0	50	24	17.25	16.70	0.585	0.664	0.267	0.303	
								1	49	17.25	16.70	0.009	0.010	0.005	0.005	
					Edge 4	132322	1745.0	50	24	17.25	16.70	0.009	0.011	0.005	0.005	
								1	49	17.25	16.70	0.215	0.244	0.113	0.128	
					Edge 4	132322	1745.0	50	24	17.25	16.70	0.221	0.251	0.116	0.132	
								1	49	17.25	16.70	0.221	0.251	0.116	0.132	

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	24.70	24.20	0.311	0.349	0.199	0.223																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
								50	24	23.70	23.30	0.222	0.243	0.143	0.157																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
					Left Tilt	132322	1745.0	1	49	24.70	24.20	0.207	0.232	0.133	0.149																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
								50	24	23.70	23.30	0.167	0.183	0.107	0.117																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
					Right Touch	132322	1745.0	1	49	24.70	24.20	0.327	0.367	0.212	0.238	140																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
								50	24	23.70	23.30	0.238	0.261	0.154	0.169																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
					Right Tilt	132322	1745.0	1	49	24.70	24.20	0.144	0.162	0.093	0.105																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
								50	24	23.70	23.30	0.102	0.112	0.068	0.075																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Body & Hotspot	QPSK	Mode B	5	Rear	132072	1720.0	1	49	21.25	21.25	0.871	0.871	0.481	0.481																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
								50	24	21.25	21.25	0.901	0.901	0.496	0.496																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
						132322	1745.0	1	49	21.25	21.25	0.868	0.868	0.474	0.474																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
								50	24	21.25	21.25	0.895	0.895	0.493	0.493																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
					132572	1770.0	100	0	21.25	21.25	0.889	0.889	0.483	0.483																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
							1	49	21.25	21.25	0.715	0.715	0.411	0.411																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
							50	24	21.25	21.25	0.719	0.719	0.413	0.413																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
							1	49	21.25	21.25	0.421	0.421	0.250	0.250																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Front	132322	1745.0	50	24	21.25	21.25	0.435	0.435	0.258	0.258																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				1	49	21.25	21.25	0.299	0.299	0.139	0.139																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				1	49	21.25	21.25	0.844	0.844	0.444	0.444																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				50	24	21.25	21.25	0.876	0.876	0.460	0.460																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	Edge 4	132322	1745.0	1	49	21.25	21.25	0.836	0.836	0.429	0.429																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				50	24	21.25	21.25	0.859	0.859	0.441	0.441																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				100	0	21.25	21.25	0.847	0.847	0.435	0.435																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				1	49	21.25	21.25	0.924	0.924	0.473	0.473																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	132572	1770.0	50	24	21.25	21.25	0.945	0.945	0.483	0.483	142																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

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	25.20	0.129	0.145	0.102	0.114	
								50	24	24.70	24.20	0.093	0.104	0.073	0.082	
					Left Tilt	133297	680.5	1	49	25.70	25.20	0.074	0.083	0.045	0.050	
								50	24	24.70	24.20	0.059	0.066	0.036	0.040	
					Right Touch	133297	680.5	1	49	25.70	25.20	0.180	0.202	0.140	0.157	146
								50	24	24.70	24.20	0.149	0.167	0.116	0.130	
	Body & Hotspot	QPSK	Mode B	5	Right Tilt	133297	680.5	1	49	25.70	25.20	0.105	0.118	0.085	0.095	
								50	24	24.70	24.20	0.086	0.096	0.070	0.079	
					Rear	133297	680.5	1	49	25.70	25.20	0.461	0.517	0.267	0.300	147
								50	24	24.70	24.20	0.428	0.480	0.248	0.278	
					Front	133297	680.5	1	49	25.70	25.20	0.182	0.204	0.139	0.156	
								50	24	24.70	24.20	0.149	0.167	0.114	0.128	
	Hotspot	QPSK	Mode B	5	Edge 2	133297	680.5	1	49	25.70	25.20	0.435	0.488	0.281	0.315	
								50	24	24.70	24.20	0.358	0.402	0.231	0.259	
					Edge 3	133297	680.5	1	49	25.70	25.20	0.229	0.257	0.098	0.110	
								50	24	24.70	24.20	0.162	0.182	0.074	0.083	
					Edge 4	133297	680.5	1	49	25.70	25.20	0.428	0.480	0.280	0.314	
								50	24	24.70	24.20	0.347	0.389	0.227	0.255	
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	24.50	24.00	0.594	0.666	0.354	0.397	
								50	24	23.50	23.00	0.503	0.564	0.297	0.333	
					Left Tilt	133297	680.5	1	49	24.50	24.00	0.741	0.831	0.341	0.383	148
								50	24	23.50	23.00	0.611	0.686	0.280	0.314	
					Right Touch	133297	680.5	1	49	24.50	24.00	0.644	0.723	0.399	0.448	
								50	24	23.50	23.00	0.535	0.600	0.331	0.371	
	Body & Hotspot	QPSK	Mode B	5	Right Tilt	133297	680.5	1	49	24.50	24.00	0.610	0.684	0.331	0.371	
								50	24	23.50	23.00	0.508	0.570	0.274	0.307	
					Rear	133297	680.5	1	49	24.50	24.00	0.311	0.349	0.179	0.201	149
								50	24	23.50	23.00	0.257	0.288	0.147	0.165	
					Front	133297	680.5	1	49	24.50	24.00	0.241	0.270	0.165	0.185	
								50	24	23.50	23.00	0.198	0.222	0.135	0.151	
	Hotspot	QPSK	Mode B	5	Edge 1	133297	680.5	1	49	24.50	24.00	0.212	0.238	0.094	0.105	
								50	24	23.50	23.00	0.174	0.195	0.077	0.086	
					Edge 2	133297	680.5	1	49	24.50	24.00	0.126	0.141	0.082	0.092	
								50	24	23.50	23.00	0.104	0.117	0.068	0.076	
					Edge 4	133297	680.5	1	49	24.50	24.00	0.285	0.320	0.182	0.204	
								50	24	23.50	23.00	0.238	0.267	0.152	0.171	

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 $\leq$ 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	836.5	1	53	25.70	25.70	0.170	0.170	0.126	0.126	190
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	167300	836.5	1	53	25.70	25.70	0.548	0.548	0.308	0.308	191
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	167300	836.5	1	53	24.50	24.50	0.591	0.591	0.384	0.384	192
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	167300	836.5	1	53	24.50	24.50	0.353	0.353	0.211	0.211	193

Note(s):

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.

10.23. 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	25.70	0.122	0.122	0.094	0.094	206
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	141500	707.5	1	40	25.70	25.70	0.434	0.434	0.250	0.250	207
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	141500	707.5	1	40	23.90	23.87	0.419	0.422	0.262	0.264	208
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	141500	707.5	1	40	23.90	23.87	0.348	0.350	0.199	0.200	209

Note(s):

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.

10.24. 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	25.70	25.70	0.110	0.110	0.069	0.069	210
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Front	376500	1882.5	1	53	16.50	16.50	0.367	0.367	0.177	0.177	211
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	376500	1882.5	1	53	16.50	16.50	0.785	0.785	0.357	0.357	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	381000	1905.0	1	53	20.00	20.00	0.729	0.729	0.374	0.374	213
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	1	53	20.25	20.25	0.644	0.644	0.283	0.283	214
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	376500	1882.5	1	53	20.25	20.25	0.415	0.415	0.186	0.186	215
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	53	24.70	24.70	0.267	0.267	0.170	0.170	216
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	381000	1905.0	52	27	19.50	19.50	0.731	0.731	0.394	0.394	217
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	376500	1882.5	1	53	19.50	19.50	0.582	0.582	0.309	0.309	218
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	381000	1905.0	1	53	19.00	19.00	0.642	0.642	0.334	0.334	219
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	52	27	20.25	20.25	0.483	0.483	0.251	0.251	220
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	381000	1905.0	52	27	20.25	20.25	0.691	0.691	0.333	0.333	221

10.25. 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	25.70	0.207	0.207	0.108	0.108	222
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	135	69	20.25	20.25	0.460	0.460	0.208	0.208	223
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	518600	2593.0	135	69	20.25	20.25	0.981	0.981	0.395	0.395	224
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Left Tilt	518600	2593.0	270	0	16.50	16.50	0.907	0.907	0.329	0.329	225
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	135	69	17.75	17.75	0.609	0.609	0.255	0.255	226
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	518600	2593.0	1	137	17.75	17.75	0.947	0.947	0.344	0.344	227
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	518600	2593.0	1	137	24.25	24.25	0.418	0.418	0.217	0.217	228
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	135	69	18.00	18.00	0.732	0.732	0.361	0.361	229
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	518600	2593.0	135	69	18.00	18.00	0.765	0.765	0.344	0.344	230
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	518600	2593.0	1	137	19.75	19.75	0.568	0.568	0.243	0.243	231
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	1	137	20.75	20.75	0.343	0.343	0.152	0.152	232

Note(s):

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.

10.26. 5G NR Band n41 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%	26.70	233.87	100.0%	25.70	371.54	0.207	0.130	-37.05%

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%.

10.27. 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	Mode A	0	Right Touch	349000	1745.0	1	53	25.70	25.70	0.271	0.271	0.170	0.170	233
	Body & Hotspot	DFT-s-OFDM	Mode B	5	Rear	349000	1745.0	50	28	17.00	17.00	0.447	0.447	0.223	0.223	234
	Hotspot	DFT-s-OFDM	Mode B	5	Edge 3	352000	1760.0	50	28	17.00	17.00	0.866	0.866	0.389	0.389	235
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.
ANT2	Head	DFT-s-OFDM	Mode A	0	Right Tilt	346000	1730.0	50	28	18.50	18.50	0.828	0.828	0.378	0.378	236
	Body & Hotspot	DFT-s-OFDM	Mode B	5	Rear	349000	1745.0	50	28	17.25	17.25	0.437	0.437	0.203	0.203	237
	Hotspot	DFT-s-OFDM	Mode B	5	Edge 1	346000	1730.0	50	28	17.25	17.25	0.838	0.838	0.386	0.386	238
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.
ANT3	Head	DFT-s-OFDM	Mode A	0	Right Touch	349000	1745.0	1	53	24.70	24.70	0.183	0.183	0.117	0.117	239
	Body & Hotspot	DFT-s-OFDM	Mode B	5	Rear	352000	1760.0	50	28	21.25	21.25	0.783	0.783	0.433	0.433	240
	Hotspot	DFT-s-OFDM	Mode B	5	Edge 4	349000	1745.0	50	28	21.25	21.25	0.688	0.688	0.357	0.357	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.
ANT4	Head	DFT-s-OFDM	Mode A	0	Left Touch	349000	1745.0	50	28	20.00	20.00	0.874	0.874	0.427	0.427	242
	Body & Hotspot	DFT-s-OFDM	Mode B	5	Rear	349000	1745.0	1	53	21.00	21.00	0.476	0.476	0.247	0.247	243
	Hotspot	DFT-s-OFDM	Mode B	5	Edge 2	352000	1760.0	50	28	21.00	21.00	0.854	0.854	0.404	0.404	244

10.28. 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	25.70	0.086	0.086	0.067	0.067	245
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	136100	680.5	1	53	25.70	25.70	0.249	0.249	0.158	0.158	246
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	136100	680.5	1	53	24.50	24.50	0.325	0.325	0.163	0.163	247
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	136100	680.5	1	53	24.50	24.50	0.296	0.296	0.180	0.180	248

10.29. 5G NR Band n77 (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	650000	3750.0	1	137	25.70	25.70	0.162	0.162	0.065	0.065	
								135	69	25.70	25.70	0.142	0.142	0.060	0.060	
					Left Tilt	650000	3750.0	1	137	25.70	25.70	0.123	0.123	0.042	0.042	
								135	69	25.70	25.70	0.139	0.139	0.051	0.051	
					Right Touch	650000	3750.0	1	137	25.70	25.70	0.312	0.312	0.127	0.127	249
								135	69	25.70	25.70	0.283	0.283	0.116	0.116	
					Right Tilt	650000	3750.0	1	137	25.70	25.70	0.107	0.107	0.041	0.041	
								135	69	25.70	25.70	0.096	0.096	0.037	0.037	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	650000	3750.0	1	137	18.25	18.25	0.793	0.793	0.275	0.275	
								135	69	18.25	18.25	0.849	0.849	0.299	0.299	
					Front	650000	3750.0	270	0	18.25	18.25	0.793	0.793	0.281	0.281	
								1	137	18.25	18.25	0.330	0.330	0.120	0.120	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	650000	3750.0	1	137	18.25	18.25	0.864	0.864	0.317	0.317	
								135	69	18.25	18.25	0.916	0.916	0.328	0.328	
					Edge 3	650000	3750.0	270	0	18.25	18.25	0.915	0.915	0.330	0.330	251
								1	137	18.25	18.25	0.422	0.422	0.126	0.126	
								135	69	18.25	18.25	0.421	0.421	0.124	0.124	
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	650000	3750.0	1	137	20.00	20.00	0.257	0.257	0.075	0.075	
								135	69	20.00	20.00	0.245	0.245	0.098	0.098	
					Left Tilt	650000	3750.0	1	137	20.00	20.00	0.309	0.309	0.091	0.091	
								135	69	20.00	20.00	0.302	0.302	0.086	0.086	
					Right Touch	650000	3750.0	1	137	20.00	20.00	0.428	0.428	0.176	0.176	
								135	69	20.00	20.00	0.459	0.459	0.187	0.187	
					Right Tilt	650000	3750.0	1	137	20.00	20.00	0.797	0.797	0.333	0.333	
								135	69	20.00	20.00	0.804	0.804	0.325	0.325	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	650000	3750.0	270	0	20.00	20.00	0.789	0.789	0.325	0.325	257
								1	137	17.50	17.50	0.810	0.810	0.238	0.238	
					Front	650000	3750.0	135	69	17.50	17.50	0.857	0.857	0.250	0.250	258
								270	0	17.50	17.50	0.803	0.803	0.240	0.240	
					Edge 1	650000	3750.0	1	137	17.50	17.50	0.101	0.101	0.041	0.041	
								135	69	17.50	17.50	0.197	0.197	0.062	0.062	
					Edge 2	650000	3750.0	1	137	17.50	17.50	0.159	0.159	0.065	0.065	
								135	69	17.50	17.50	0.160	0.160	0.656	0.656	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	650000	3750.0	1	137	17.50	17.50	0.201	0.201	0.074	0.074	
								135	69	17.50	17.50	0.229	0.229	0.083	0.083	

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	650000	3750.0	1	137	25.20	25.20	0.107	0.107	0.036	0.036	254
								135	69	25.20	25.20	0.116	0.116	0.039	0.039	
					Left Tilt	650000	3750.0	1	137	25.20	25.20	0.027	0.027	0.007	0.007	
								135	69	25.20	25.20	0.022	0.022	0.005	0.005	
					Right Touch	650000	3750.0	1	137	25.20	25.20	0.068	0.068	0.024	0.024	
								135	69	25.20	25.20	0.061	0.061	0.021	0.021	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	650000	3750.0	1	137	19.50	19.50	0.814	0.814	0.270	0.270	255
								135	69	19.50	19.50	0.876	0.876	0.332	0.332	
								270	0	19.50	19.50	0.871	0.871	0.256	0.256	
					Front	650000	3750.0	1	137	19.50	19.50	0.826	0.826	0.313	0.313	
								135	69	19.50	19.50	0.843	0.843	0.351	0.351	
								270	0	19.50	19.50	0.729	0.729	0.313	0.313	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	650000	3750.0	1	137	19.50	19.50	0.676	0.676	0.268	0.268	256
								135	69	19.50	19.50	0.696	0.696	0.275	0.275	
					Edge 4	650000	3750.0	1	137	19.50	19.50	0.872	0.872	0.295	0.295	
								135	69	19.50	19.50	0.913	0.913	0.309	0.309	
								270	0	19.50	19.50	0.863	0.863	0.294	0.294	
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	650000	3750.0	1	137	17.50	17.50	0.921	0.921	0.291	0.291	252
								135	69	17.50	17.50	0.930	0.930	0.296	0.296	
					Left Tilt	650000	3750.0	270	0	17.50	17.50	0.944	0.944	0.295	0.295	
								1	137	17.50	17.50	0.814	0.814	0.251	0.251	
					Right Touch	650000	3750.0	135	69	17.50	17.50	0.783	0.783	0.245	0.245	
								270	0	17.50	17.50	0.750	0.750	0.235	0.235	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Right Tilt	650000	3750.0	1	137	17.50	17.50	0.252	0.252	0.094	0.094	253
								135	69	17.50	17.50	0.260	0.260	0.100	0.100	
					Rear	650000	3750.0	1	137	18.00	18.00	0.180	0.180	0.069	0.069	
								135	69	18.00	18.00	0.183	0.183	0.072	0.072	
					Front	650000	3750.0	1	137	18.00	18.00	0.531	0.531	0.197	0.197	
								135	69	18.00	18.00	0.450	0.450	0.168	0.168	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	650000	3750.0	1	137	18.00	18.00	0.976	0.976	0.360	0.360	253
								135	69	18.00	18.00	0.996	0.996	0.366	0.366	
					Edge 2	650000	3750.0	270	0	18.00	18.00	0.934	0.934	0.322	0.322	
								1	137	18.00	18.00	0.207	0.207	0.093	0.093	
					Edge 2	650000	3750.0	135	69	18.00	18.00	0.211	0.211	0.094	0.094	
								270	0	18.00	18.00	0.451	0.451	0.170	0.170	
								135	69	18.00	18.00	0.510	0.510	0.190	0.190	

Note(s):

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.

10.30. 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.

ANT3 Power Mode A the P_{Cell_ON} is same as P_{Cell_OFF}

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	0.14	100.0%	22.50	22.50	0.091	0.091	0.065	0.065	150
						Left Tilt	6	2437	0.058	100.0%	22.50	22.50					
						Right Touch	6	2437	0.105	100.0%	22.50	22.50					
						Right Tilt	6	2437	0.058	100.0%	22.50	22.50					
		Body & Hotspot	802.11b	Mode B	5	Rear	1	2412	1.16	100.0%	19.00	19.00	0.689	0.689	0.281	0.281	
							6	2437	1.510	100.0%	19.00	19.00	1.010	1.010	0.384	0.384	
						Front	11	2462	1.55	100.0%	19.00	19.00	1.100	1.100	0.454	0.454	151
							6	2437	1.460	100.0%	19.00	19.00	1.040	1.040	0.456	0.456	
		Hotspot	802.11b	Mode B	5	Edge 3	6	2437	0.35	100.0%	19.00	19.00	0.217	0.217	0.107	0.107	
						Edge 4	6	2437	0.181	100.0%	19.00	19.00					
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	2.350	100.0%	20.50	20.50	1.070	1.070	0.425	0.425	
							6	2437	1.870	100.0%	20.50	20.50	1.120	1.120	0.439	0.439	152
						Left Tilt	6	2437	0.722	100.0%	20.50	20.50	0.473	0.473	0.187	0.187	
						Right Touch	6	2437	0.267	100.0%	20.50	20.50					
						Right Tilt	6	2437	0.259	100.0%	20.50	20.50					
		Body & Hotspot	802.11b	Mode B	5	Rear	1	2412	2.280	100.0%	21.25	21.25	1.150	1.150	0.447	0.447	
							6	2437	2.320	100.0%	21.25	21.25	1.190	1.190	0.467	0.467	153
						Front	11	2462	1.220	100.0%	21.25	21.25	1.150	1.150	0.456	0.456	
							6	2437	0.878	100.0%	21.25	21.25	0.632	0.632	0.264	0.264	
		Hotspot	802.11b	Mode B	5	Edge 1	6	2437	0.210	100.0%	21.25	21.25					
						Edge 2	1	2412	1.300	100.0%	21.50	21.50	0.820	0.820	0.324	0.324	
							6	2437	1.830	100.0%	21.25	21.25	1.060	1.060	0.411	0.411	
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 ON	Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	1.160	100.0%	16.00	16.00	0.565	0.565	0.208	0.208	154
						Front	6	2437	0.861	100.0%	16.00	16.00	0.479	0.479	0.205	0.205	
		Hotspot	802.11b	Mode B	5	Edge 3	6	2437	0.0676	100.0%	16.00	16.00					
						Edge 4	6	2437	0.0439	100.0%	16.00	16.00					
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 ON	Head	802.11b	Mode A	0	Left Touch	6	2437	0.54	100.0%	16.00	16.00	0.384	0.384	0.152	0.152	155
						Left Tilt	6	2437	0.387	100.0%	16.00	16.00					
						Right Touch	6	2437	0.151	100.0%	16.00	16.00					
						Right Tilt	6	2437	0.098	100.0%	16.00	16.00					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	0.992	100.0%	18.25	18.25	0.565	0.565	0.218	0.218	156
						Front	6	2437	0.566	100.0%	18.25	18.25	0.299	0.299	0.121	0.121	
		Hotspot	802.11b	Mode B	5	Edge 1	6	2437	0.061	100.0%	18.25	18.25					
						Edge 2	6	2437	0.434	100.0%	18.25	18.25					

10.31. 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	0.0302	97.9%	21.00	21.00					
							Left Tilt	54	5270	0.0293	97.9%	21.00	21.00					
							Right Touch	54	5270	0.202	97.9%	21.00	21.00	0.009	0.009	0.002	0.002	157
							Right Tilt	54	5270	0.0343	97.9%	21.00	21.00					
		U-NII-1	Body & Airplay	802.11n HT40	Mode B	5	Rear	38	5190	1.720	97.9%	17.00	17.00	0.497	0.508	0.148	0.151	
								46	5230	1.920	97.9%	19.00	19.00	1.020	1.042	0.295	0.301	158
							Front	46	5230	0.138	97.9%	19.00	19.00	0.058	0.059	0.018	0.018	
							Edge 3	46	5230	0.396	97.9%	19.00	19.00	0.178	0.182	0.058	0.059	
	Edge 4	46	5230	0.149	97.9%	19.00	19.00											
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	0.073	95.9%	21.50	21.50					
							Left Tilt	122	5610	0.043	95.9%	21.50	21.50					
							Right Touch	122	5610	0.054	95.9%	21.50	21.50					
							Right Tilt	122	5610	0.088	95.9%	21.50	21.50	0.039	0.041	0.009	0.009	159
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	106	5530	2.890	95.9%	15.50	15.50	0.872	0.910	0.268	0.280	
								122	5610	2.240	95.9%	16.50	16.50	1.100	1.148	0.323	0.337	160
								138	5690	2.280	95.9%	16.50	16.50	1.050	1.095	0.313	0.327	
							Front	138	5690	0.099	95.9%	16.50	16.50	0.031	0.032	0.010	0.010	
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	138	5690	0.524	95.9%	16.50	16.50	0.231	0.241	0.077	0.080	
							Edge 4	138	5690	0.152	95.9%	16.50	16.50					
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	0.049	98.9%	21.50	21.50	0.009	0.009	0.001	0.001	161
							Left Tilt	157	5785	0.037	98.9%	21.50	21.50					
							Right Touch	157	5785	0.043	98.9%	21.50	21.50					
							Right Tilt	157	5785	0.033	98.9%	21.50	21.50					
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	2.450	95.9%	17.50	17.50	1.020	1.064	0.317	0.331	162
							Front	155	5775	0.126	95.9%	17.50	17.50	0.051	0.053	0.017	0.018	
							Edge 3	155	5775	0.649	95.9%	17.50	17.50	0.309	0.322	0.100	0.104	
							Edge 4	155	5775	0.222	95.9%	17.50	17.50					
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	0.603	97.9%	18.50	18.50					
							Left Tilt	46	5230	0.551	97.9%	18.50	18.50					
							Right Touch	38	5230	1.440	97.9%	17.00	17.00	0.761	0.777	0.212	0.217	
								46	5230	1.770	97.9%	18.50	18.50	0.927	0.947	0.259	0.265	163
							Right Tilt	46	5230	1.750	97.9%	18.50	18.50	0.798	0.815	0.239	0.244	
							Rear	46	5230	1.580	97.9%	18.25	18.25	0.731	0.747	0.213	0.218	
							Front	46	5230	0.964	97.9%	18.25	18.25					
							Edge 1	46	5230	0.802	97.9%	18.25	18.25					
		U-NII-1	Body & Airplay	802.11n (HT40)	Mode B	5	Edge 3	38	5230	1.310	97.9%	17.00	17.00	0.647	0.661	0.209	0.213	
							Edge 4	46	5230	2.250	97.9%	18.25	18.25	1.060	1.083	0.337	0.344	164
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 1	122	5610	0.698	95.9%	16.25	16.25					
								106	5530	1.750	95.9%	15.50	15.50	0.735	0.767	0.225	0.235	
								122	5610	2.720	95.9%	16.25	16.25	1.100	1.148	0.350	0.365	166
								138	5690	2.410	95.9%	16.25	16.25	0.948	0.989	0.302	0.315	
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	138	5690	0.628	95.9%	16.75	16.75					
							Left Tilt	122	5610	0.839	95.9%	16.75	16.75	0.328	0.342	0.096	0.100	
								106	5530	1.700	95.9%	15.50	15.50	0.906	0.945	0.260	0.271	
							Right Touch	122	5610	1.850	95.9%	16.75	16.75	1.120	1.168	0.331	0.345	165
				138	5690	1.880	95.9%	16.75	16.75	0.983	1.026	0.280	0.292					
			Right Tilt	122	5610	2.310	95.9%	16.75	16.75	0.852	0.889	0.249	0.260					
				138	5690	1.450	95.9%	16.75	16.75	0.741	0.773	0.220	0.230					
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	122	5610	2.270	95.9%	16.25	16.25	0.828	0.864	0.220	0.230	
								138	5690	0.970	95.9%	16.25	16.25	0.612	0.638	0.165	0.172	
							Front	122	5610	1.470	95.9%	16.25	16.25	0.645	0.673	0.190	0.198	
							Edge 1	122	5610	0.698	95.9%	16.25	16.25					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 4	106	5530	1.750	95.9%	15.50	15.50	0.735	0.767	0.225	0.235	
	122	5610					2.720	95.9%	16.25	16.25	1.100	1.148	0.350	0.365	166			
	138	5690					2.410	95.9%	16.25	16.25	0.948	0.989	0.302	0.315				
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	0.895	95.9%	18.00	18.00					
							Left Tilt	155	5775	1.330	95.9%	18.00	18.00	0.350	0.365	0.090	0.094	
							Right Touch	155	5775	2.700	95.9%	18.00	18.00	1.120	1.168	0.319	0.333	167
							Right Tilt	155	5775	3.380	95.9%	18.00	18.00	0.935	0.975	0.265	0.276	
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	1.730	95.9%	18.00	18.00	0.785	0.819	0.203	0.212	
							Front	155	5775	1.290	95.9%	18.00	18.00	0.876	0.914	0.263	0.274	
							Edge 1	155	5775	0.897	95.9%	18.00	18.00					
							Edge 4	155	5775	1.980	95.9%	18.00	18.00	1.070	1.116	0.344	0.359	168

ANT5 Power Mode A the P_{Cell ON} is same as P_{Cell OFF}

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-2A	Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	42	5210	0.888	95.9%	15.25	15.25	0.371	0.387	0.119	0.124	169
							Front	42	5210	0.127	95.9%	15.25	15.25	0.042	0.044	0.014	0.015	
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	42	5210	0.326	95.9%	15.25	15.25	0.138	0.144	0.047	0.049	
							Edge 4	42	5210	0.138	95.9%	15.25	15.25					
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	Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	122	5610	0.852	95.9%	12.75	12.75	0.403	0.420	0.118	0.123	170
							Front	122	5610	0.087	95.9%	12.75	12.75	0.027	0.028	0.010	0.010	
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	122	5610	0.283	95.9%	12.75	12.75	0.112	0.117	0.034	0.035	
							Edge 4	122	5610	0.079	95.9%	12.75	12.75					
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	Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	1.090	95.9%	13.75	13.75	0.416	0.434	0.124	0.129	171
							Front	155	5775	0.038	95.9%	13.75	13.75	0.014	0.015	0.005	0.005	
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	155	5775	0.276	95.9%	13.75	13.75	0.105	0.110	0.034	0.035	
							Edge 4	155	5775	0.072	95.9%	13.75	13.75					
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-1	Head	802.11ac (VHT80)	Mode A	0	Left Touch	42	5210	0.130	95.9%	12.50	12.50					172
							Left Tilt	42	5210	0.163	95.9%	12.50	12.50					
							Right Touch	42	5210	0.531	95.9%	12.50	12.50					
							Right Tilt	42	5210	0.663	95.9%	12.50	12.50	0.238	0.248	0.067	0.070	
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	42	5210	0.831	95.9%	14.50	14.50	0.384	0.401	0.104	0.109	
							Front	42	5210	0.422	95.9%	14.50	14.50	0.160	0.167	0.050	0.052	
							Edge 1	42	5210	0.259	95.9%	14.50	14.50					
							Edge 4	42	5210	0.767	95.9%	14.50	14.50	0.382	0.399	0.123	0.128	
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	0.15	95.9%	10.75	10.75					174
							Left Tilt	122	5610	0.167	95.9%	10.75	10.75					
							Right Touch	122	5610	0.488	95.9%	10.75	10.75	0.183	0.191	0.052	0.054	
							Right Tilt	122	5610	0.524	95.9%	10.75	10.75	0.197	0.206	0.057	0.059	
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	122	5610	0.703	95.9%	12.50	12.50	0.313	0.327	0.080	0.083	
							Front	122	5610	0.538	95.9%	12.50	12.50					
							Edge 1	122	5610	0.284	95.9%	12.50	12.50					
							Edge 4	122	5610	1.07	95.9%	12.50	12.50	0.430	0.449	0.133	0.139	
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	0.186	95.9%	12.00	12.00					176
							Left Tilt	155	5775	0.227	95.9%	12.00	12.00					
							Right Touch	155	5775	0.642	95.9%	12.00	12.00					
							Right Tilt	155	5775	0.65	95.9%	12.00	12.00	0.218	0.227	0.060	0.063	
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	0.751	95.9%	14.25	14.25	0.308	0.321	0.077	0.080	
							Front	155	5775	0.603	95.9%	14.25	14.25					
							Edge 1	155	5775	0.377	95.9%	14.25	14.25					
							Edge 4	155	5775	0.935	95.9%	14.25	14.25	0.395	0.412	0.123	0.128	

10.32. BluetoothANT3 Power Mode A the P_{high} is same as $P_{\text{standalone}}$

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%	10.50	10.50	0.031	0.031	0.016	0.016	178
					Left Tilt	39	2441	100.0%	10.50	10.50	0.010	0.010	0.002	0.002	
					Right Touch	39	2441	100.0%	10.50	10.50	0.038	0.038	0.020	0.020	
					Right Tilt	39	2441	100.0%	10.50	10.50	0.017	0.017	0.005	0.005	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	8.00	8.00	0.065	0.065	0.022	0.022	179
					Front	39	2441	100.0%	8.00	8.00	0.084	0.084	0.037	0.037	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	8.00	8.00	0.010	0.010	0.004	0.004	
					Edge 4	39	2441	100.0%	8.00	8.00	0.004	0.004	0.001	0.001	
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}	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	14.00	14.00	0.337	0.337	0.127	0.127	180
					Front	39	2441	100.0%	14.00	14.00	0.356	0.356	0.155	0.155	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	14.00	14.00	0.075	0.075	0.036	0.036	
					Edge 4	39	2441	100.0%	14.00	14.00	0.057	0.057	0.023	0.023	
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 $P_{\text{standalone}}$	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	20.00	20.00	0.043	0.043	0.022	0.022	181
					Left Tilt	39	2441	100.0%	20.00	20.00	0.014	0.014	0.004	0.004	
					Right Touch	39	2441	100.0%	20.00	20.00	0.029	0.029	0.004	0.004	
					Right Tilt	39	2441	100.0%	20.00	20.00	0.015	0.015	0.004	0.004	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	19.00	19.00	0.621	0.621	0.235	0.235	182
					Front	39	2441	100.0%	19.00	19.00	0.786	0.786	0.335	0.335	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	19.00	19.00	0.152	0.152	0.076	0.076	
					Edge 4	39	2441	100.0%	19.00	19.00	0.020	0.020	0.008	0.008	
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%	9.50	9.50	0.076	0.076	0.026	0.026	183
					Left Tilt	39	2441	100.0%	9.50	9.50	0.037	0.037	0.012	0.012	
					Right Touch	39	2441	100.0%	9.50	9.50	0.017	0.017	0.008	0.008	
					Right Tilt	39	2441	100.0%	9.50	9.50	0.008	0.008	0.002	0.002	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	10.00	10.00	0.068	0.068	0.024	0.024	184
					Front	39	2441	100.0%	10.00	10.00	0.025	0.025	0.009	0.009	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	10.00	10.00	0.003	0.003	0.001	0.001	
					Edge 2	39	2441	100.0%	10.00	10.00	0.067	0.067	0.025	0.025	
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%	15.50	15.50	0.333	0.333	0.126	0.126	185
					Left Tilt	39	2441	100.0%	15.50	15.50	0.110	0.110	0.043	0.043	
					Right Touch	39	2441	100.0%	15.50	15.50	0.060	0.060	0.030	0.030	
					Right Tilt	39	2441	100.0%	15.50	15.50	0.049	0.049	0.023	0.023	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	16.00	16.00	0.353	0.353	0.137	0.137	186
					Front	39	2441	100.0%	16.00	16.00	0.180	0.180	0.073	0.073	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	16.00	16.00	0.023	0.023	0.011	0.011	
					Edge 2	39	2441	100.0%	16.00	16.00	0.157	0.157	0.064	0.064	
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 $P_{\text{standalone}}$	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	20.00	20.00	0.784	0.784	0.300	0.300	187
					Left Tilt	39	2441	100.0%	20.00	20.00	0.286	0.286	0.111	0.111	
					Right Touch	39	2441	100.0%	20.00	20.00	0.171	0.171	0.082	0.082	
					Right Tilt	39	2441	100.0%	20.00	20.00	0.099	0.099	0.047	0.047	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	20.00	20.00	0.725	0.725	0.292	0.292	188
					Front	39	2441	100.0%	20.00	20.00	0.459	0.459	0.193	0.193	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	20.00	20.00	0.101	0.101	0.047	0.047	
					Edge 2	39	2441	100.0%	20.00	20.00	0.785	0.785	0.047	0.047	

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
1700	WCDMA Band IV	Head	Right Tilt	Yes	0.994	0.983	1.01
1900	LTE Band 25	Hotspot	Edge 2	Yes	0.999	0.898	1.11
2300	LTE Band 30	Head	Left Touch	Yes	0.986	0.966	1.02
2400	Wi-Fi 802.11b/g/n	Body & Hotspot	Rear	Yes	1.190	1.130	1.05
2500	LTE Band 7	Hotspot	Edge 2	Yes	0.990	0.990	1.00
2600	LTE Band 41	Head	Left Touch	Yes	0.989	0.980	1.01
3600	LTE Band 48	Body & Hotspot	Rear	Yes	0.978	0.857	1.14
5200	Wi-Fi 802.11a/n/ac	Hotspot	Edge 4	Yes	1.060	0.949	1.12
5500	Wi-Fi 802.11a/n/ac	Head	Right Touch	Yes	1.120	1.000	1.12
5800	Wi-Fi 802.11a/n/ac	Head	Right Touch	Yes	1.120	0.971	1.15

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:

SAR₁ 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

SAR₂ 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 **SAR₁** or **SAR₂**. 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):

- Wi-Fi 2.4GHz & Bluetooth cannot transmit simultaneously.
- Wi-Fi 2.4GHz & Wi-Fi 5GHz cannot transmit simultaneously.
- WWAN cannot transmit simultaneously.
- 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.
- 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.
- 5G NR only supported NSA mode.
- 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)				Σ 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	0.009	0.365	0.043	0.333	0.052	0.342	0.408	0.698
	Left Tilt	0.009	0.365	0.014	0.110	0.023	0.119	0.379	0.475
	Right Touch	0.009	1.168	0.029	0.060	0.038	0.069	1.197	1.228
	Right Tilt	0.041	0.975	0.015	0.049	0.056	0.090	0.990	1.024
Body-worn & Hotspot	Rear	1.148	0.864	0.337	0.353	1.485	1.501	1.201	1.217
	Front	0.059	0.914	0.356	0.180	0.415	0.239	1.270	1.094
Hotspot	Edge 1		0.864		0.023		0.023	0.864	0.887
	Edge 2				0.157		0.157		0.157
	Edge 3	0.322		0.075		0.397	0.322	0.075	
	Edge 4	0.059	1.148	0.057		0.116	0.059	1.205	1.148

12.2. Sum of the SAR for WWAN Cell-on(ANT1) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 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	0.251	0.091	0.384	0.043	0.333	0.342	0.635	0.294	0.584
	Left Tilt	0.149	0.091	0.384	0.014	0.110	0.240	0.533	0.163	0.259
	Right Touch	0.480	0.091	0.384	0.029	0.060	0.571	0.864	0.509	0.540
	Right Tilt	0.171	0.091	0.384	0.015	0.049	0.262	0.555	0.186	0.220
Body-worn & Hptspot	Rear	0.793	0.565	0.565	0.337	0.353	1.358	1.358	1.130	1.146
	Front	0.711	0.479	0.299	0.356	0.180	1.190	1.010	1.067	0.891
Hotspot	Edge 1			0.299		0.023		0.299		0.023
	Edge 2	0.990		0.299		0.157	0.990	1.289	0.990	1.147
	Edge 3	0.997	0.479		0.075		1.476	0.997	1.072	0.997
	Edge 4	0.480	0.479		0.057		0.959	0.480	0.537	0.480
RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 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	0.251	0.009	0.191	0.031	0.076	0.291	0.336	0.473	0.518
	Left Tilt	0.149	0.009	0.191	0.010	0.037	0.168	0.195	0.350	0.377
	Right Touch	0.480	0.009	0.191	0.038	0.017	0.527	0.506	0.709	0.688
	Right Tilt	0.171	0.041	0.248	0.017	0.008	0.228	0.219	0.436	0.427
Body-worn & Hptspot	Rear	0.793	0.434	0.401	0.065	0.068	1.292	1.295	1.259	1.262
	Front	0.711	0.044	0.167	0.084	0.025	0.839	0.780	0.962	0.903
Hotspot	Edge 1			0.401		0.003		0.003	0.401	0.404
	Edge 2	0.990				0.067	0.990	1.057	0.990	1.057
	Edge 3	0.997	0.144		0.010		1.151	1.141	1.007	0.997
	Edge 4	0.480	0.044	0.449	0.004		0.528	0.524	0.933	0.929

12.3. Sum of the SAR for WWAN Cell-on(ANT2) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 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	0.954	0.091	0.384	0.043	0.333	1.045	1.338	0.997	1.287
	Left Tilt	0.987	0.091	0.384	0.014	0.110	1.078	1.371	1.001	1.097
	Right Touch	0.988	0.091	0.384	0.029	0.060	1.079	1.372	1.017	1.048
	Right Tilt	0.994	0.091	0.384	0.015	0.049	1.085	1.378	1.009	1.043
Body-worn & Hptspot	Rear	0.917	0.565	0.565	0.337	0.353	1.482	1.482	1.254	1.270
	Front	0.633	0.479	0.299	0.356	0.180	1.112	0.932	0.989	0.813
Hotspot	Edge 1	0.988		0.299		0.023	0.988	1.287	0.988	1.011
	Edge 2	0.290		0.299		0.157	0.290	0.589	0.290	0.447
	Edge 3		0.479		0.075		0.479		0.075	
	Edge 4	0.830	0.479		0.057		1.309	0.830	0.887	0.830
RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 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	0.954	0.009	0.191	0.031	0.076	0.994	1.039	1.176	1.221
	Left Tilt	0.987	0.009	0.191	0.010	0.037	1.006	1.033	1.188	1.215
	Right Touch	0.988	0.009	0.191	0.038	0.017	1.035	1.014	1.217	1.196
	Right Tilt	0.994	0.041	0.248	0.017	0.008	1.052	1.043	1.259	1.250
Body-worn & Hptspot	Rear	0.917	0.434	0.401	0.065	0.068	1.416	1.419	1.383	1.386
	Front	0.633	0.044	0.167	0.084	0.025	0.761	0.702	0.884	0.825
Hotspot	Edge 1	0.988		0.401		0.003	0.988	0.991	1.389	1.392
	Edge 2	0.290				0.067	0.290	0.357	0.290	0.357
	Edge 3		0.144		0.010		0.154	0.144	0.010	
	Edge 4	0.830	0.044	0.449	0.004		0.878	0.874	1.283	1.279

12.4. Sum of the SAR for WWAN Cell-on(ANT3) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 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	0.958	0.091	0.384	0.043	0.333	1.049	1.342	1.001	1.291
	Left Tilt	0.294	0.091	0.384	0.014	0.110	0.385	0.678	0.308	0.404
	Right Touch	0.497	0.091	0.384	0.029	0.060	0.588	0.881	0.526	0.557
	Right Tilt	0.466	0.091	0.384	0.015	0.049	0.557	0.850	0.481	0.515
Body-worn & Hptspot	Rear	0.965	0.565	0.565	0.337	0.353	1.530	1.530	1.302	1.318
	Front	0.679	0.479	0.299	0.356	0.180	1.158	0.978	1.035	0.859
Hotspot	Edge 1			0.299		0.023		0.299		0.023
	Edge 2			0.299		0.157		0.299		0.157
	Edge 3	0.347	0.479		0.075		0.826	0.347	0.422	0.347
	Edge 4	0.997	0.479		0.057		1.476	0.997	1.054	0.997
RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 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	0.958	0.009	0.191	0.031	0.076	0.998	1.043	1.180	1.225
	Left Tilt	0.294	0.009	0.191	0.010	0.037	0.313	0.340	0.495	0.522
	Right Touch	0.497	0.009	0.191	0.038	0.017	0.544	0.523	0.726	0.705
	Right Tilt	0.466	0.041	0.248	0.017	0.008	0.524	0.515	0.731	0.722
Body-worn & Hptspot	Rear	0.965	0.434	0.401	0.065	0.068	1.464	1.467	1.430	1.433
	Front	0.679	0.044	0.167	0.084	0.025	0.807	0.748	0.930	0.871
Hotspot	Edge 1			0.401		0.003		0.003	0.401	0.404
	Edge 2					0.067		0.067		0.067
	Edge 3	0.347	0.144		0.010		0.501	0.491	0.357	0.347
	Edge 4	0.997	0.044	0.449	0.004		1.045	1.041	1.450	1.446

12.5. Sum of the SAR for WWAN Cell-on(ANT4) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 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	0.994	0.091	0.384	0.043	0.333	1.085	1.378	1.037	1.327
	Left Tilt	0.814	0.091	0.384	0.014	0.110	0.905	1.198	0.828	0.924
	Right Touch	0.418	0.091	0.384	0.029	0.060	0.509	0.802	0.447	0.478
	Right Tilt	0.298	0.091	0.384	0.015	0.049	0.389	0.682	0.313	0.347
Body-worn & Hptspot	Rear	0.984	0.565	0.565	0.337	0.353	1.549	1.549	1.321	1.337
	Front	0.996	0.479	0.299	0.356	0.180	1.475	1.295	1.352	1.176
Hotspot	Edge 1	0.300		0.299		0.023	0.300	0.599	0.300	0.323
	Edge 2	0.999		0.299		0.157	0.999	1.298	0.999	1.156
	Edge 3		0.479		0.075		0.479		0.075	
	Edge 4		0.479		0.057		0.479		0.057	
RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 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	0.994	0.009	0.191	0.031	0.076	1.034	1.079	1.216	1.261
	Left Tilt	0.814	0.009	0.191	0.010	0.037	0.833	0.860	1.015	1.042
	Right Touch	0.418	0.009	0.191	0.038	0.017	0.465	0.444	0.647	0.626
	Right Tilt	0.298	0.041	0.248	0.017	0.008	0.356	0.347	0.563	0.554
Body-worn & Hptspot	Rear	0.984	0.434	0.401	0.065	0.068	1.483	1.486	1.450	1.453
	Front	0.996	0.044	0.167	0.084	0.025	1.124	1.065	1.247	1.188
Hotspot	Edge 1	0.300		0.401		0.003	0.300	0.303	0.700	0.703
	Edge 2	0.999				0.067	0.999	1.066	0.999	1.066
	Edge 3		0.144		0.010		0.154	0.144	0.010	
	Edge 4		0.044	0.449	0.004		0.048	0.044	0.453	0.449

12.6. Sum of the SAR for WWAN Cell-on(ANT7) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 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	0.182	0.091	0.384	0.043	0.333	0.273	0.566	0.225	0.515
	Left Tilt	0.095	0.091	0.384	0.014	0.110	0.186	0.479	0.109	0.205
	Right Touch	0.295	0.091	0.384	0.029	0.060	0.386	0.679	0.324	0.355
	Right Tilt	0.114	0.091	0.384	0.015	0.049	0.205	0.498	0.129	0.163
Body-worn & Hptspot	Rear	0.593	0.565	0.565	0.337	0.353	1.158	1.158	0.930	0.946
	Front	0.408	0.479	0.299	0.356	0.180	0.887	0.707	0.764	0.588
Hotspot	Edge 1			0.299		0.023		0.299		0.023
	Edge 2	0.849		0.299		0.157	0.849	1.148	0.849	1.006
	Edge 3	0.243	0.479		0.075		0.722	0.243	0.318	0.243
	Edge 4		0.479		0.057		0.479		0.057	
RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 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	0.182	0.009	0.191	0.031	0.076	0.222	0.267	0.404	0.449
	Left Tilt	0.095	0.009	0.191	0.010	0.037	0.114	0.141	0.296	0.323
	Right Touch	0.295	0.009	0.191	0.038	0.017	0.342	0.321	0.524	0.503
	Right Tilt	0.114	0.041	0.248	0.017	0.008	0.172	0.163	0.379	0.370
Body-worn & Hptspot	Rear	0.593	0.434	0.401	0.065	0.068	1.092	1.095	1.058	1.061
	Front	0.408	0.044	0.167	0.084	0.025	0.536	0.477	0.659	0.600
Hotspot	Edge 1			0.401		0.003		0.003	0.401	0.404
	Edge 2	0.849				0.067	0.849	0.916	0.849	0.916
	Edge 3	0.243	0.144		0.010		0.397	0.387	0.253	0.243
	Edge 4		0.044	0.449	0.004		0.048	0.044	0.453	0.449

12.7. Sum of the SAR for WWAN Cell-on(ANT8) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 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	0.301	0.091	0.384	0.043	0.333	0.392	0.685	0.344	0.634
	Left Tilt	0.412	0.091	0.384	0.014	0.110	0.503	0.796	0.426	0.522
	Right Touch	0.566	0.091	0.384	0.029	0.060	0.657	0.950	0.595	0.626
	Right Tilt	0.804	0.091	0.384	0.015	0.049	0.895	1.188	0.819	0.853
Body-worn & Hptspot	Rear	0.989	0.565	0.565	0.337	0.353	1.554	1.554	1.326	1.342
	Front	0.197	0.479	0.299	0.356	0.180	0.676	0.496	0.553	0.377
Hotspot	Edge 1	0.230	0.000	0.299	0.000	0.023	0.230	0.529	0.230	0.253
	Edge 2		0.000	0.299	0.000	0.157		0.299		0.157
	Edge 3		0.479	0.000	0.075	0.000	0.479		0.075	
	Edge 4	0.249	0.479	0.000	0.057	0.000	0.728	0.249	0.306	0.249
RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 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	0.301	0.009	0.191	0.031	0.076	0.342	0.387	0.523	0.568
	Left Tilt	0.412	0.009	0.191	0.010	0.037	0.431	0.458	0.613	0.640
	Right Touch	0.566	0.009	0.191	0.038	0.017	0.614	0.593	0.795	0.774
	Right Tilt	0.804	0.041	0.248	0.017	0.008	0.862	0.853	1.069	1.060
Body-worn & Hptspot	Rear	0.989	0.434	0.401	0.065	0.068	1.488	1.491	1.455	1.458
	Front	0.197	0.044	0.167	0.084	0.025	0.325	0.266	0.448	0.389
Hotspot	Edge 1	0.230		0.401		0.003	0.230	0.233	0.630	0.633
	Edge 2					0.067		0.067		0.067
	Edge 3		0.144		0.010		0.154	0.144	0.010	
	Edge 4	0.249	0.044	0.449	0.004		0.297	0.293	0.702	0.698

12.8. Sum of the SAR for WWAN Cell-on(ANT9) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 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	0.522	0.091	0.384	0.043	0.333	0.613	0.906	0.565	0.855
	Left Tilt	0.027	0.091	0.384	0.014	0.110	0.118	0.411	0.041	0.137
	Right Touch	0.134	0.091	0.384	0.029	0.060	0.225	0.518	0.163	0.194
	Right Tilt	0.048	0.091	0.384	0.015	0.049	0.139	0.432	0.063	0.097
Body-worn & Hptspot	Rear	0.876	0.565	0.565	0.337	0.353	1.441	1.441	1.213	1.229
	Front	0.843	0.479	0.299	0.356	0.180	1.322	1.142	1.199	1.023
Hotspot	Edge 1			0.299		0.023		0.299		0.023
	Edge 2			0.299		0.157		0.299		0.157
	Edge 3	0.915	0.479		0.075		1.394	0.915	0.990	0.915
	Edge 4	0.913	0.479		0.057		1.392	0.913	0.970	0.913
RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 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	0.522	0.009	0.191	0.031	0.076	0.562	0.607	0.744	0.789
	Left Tilt	0.027	0.009	0.191	0.010	0.037	0.046	0.073	0.228	0.255
	Right Touch	0.134	0.009	0.191	0.038	0.017	0.181	0.160	0.363	0.342
	Right Tilt	0.048	0.041	0.248	0.017	0.008	0.106	0.097	0.314	0.305
Body-worn & Hptspot	Rear	0.876	0.434	0.401	0.065	0.068	1.375	1.378	1.342	1.345
	Front	0.843	0.044	0.167	0.084	0.025	0.971	0.912	1.094	1.035
Hotspot	Edge 1			0.401		0.003		0.003	0.401	0.404
	Edge 2					0.067		0.067		0.067
	Edge 3	0.915	0.144		0.010		1.069	1.059	0.925	0.915
	Edge 4	0.913	0.044	0.449	0.004		0.961	0.957	1.366	1.362

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