SAR EVALUATION REPORT

IEEE Std 1528-2013

For
SMARTPHONE

FCC ID: BCG-E3306A
Model Name: A2161, A2219, and A2220

Report Number: 12901678-S1V2
Issue Date: 8/27/2019

Prepared for
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NVLAP LAB CODE 200065-0

Revision History

Rev.	Date	Revisions	Revised By
V1	8/22/2019	Initial Issue	--
V2	8/27/2019	Updated Report in accordance with TCB feedback: Updated section 1, 4.3, 8, 10.22, 12.1 and Appendix E2	Devin Chang

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1. Attestation of Test Results

Applicant Name		APPLE, INC.				
FCC ID		BCG-E3306A				
Model Name		A2161, A2219, and A2220				
Difference in Model Name		Model A2219, A2220 is electrically identical to Model A2161. Three model numbers are allocated for marketing and logistic purposes only. A2161 was used to perform all final tests.				
Applicable Standards		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	CBE	DTS	NII	DSS
Head		0.997	0.697	1.160	1.161	0.595
Body-worn (Dist.= 5 mm)		0.992	0.727	1.050	1.172	0.584
Hotspot (Dist.= 5 mm)		0.994	0.998	1.080	1.172	0.584
Simultaneous TX	Head	1.410	1.410	1.408	1.410	1.410
	Body-worn	1.532	1.532	1.532	1.510	1.510
	Hotspot	1.532	1.532	1.532	1.521	1.521
Date Tested		7/1/2019 to 8/20/2019				
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)

3. Facilities and Accreditation

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

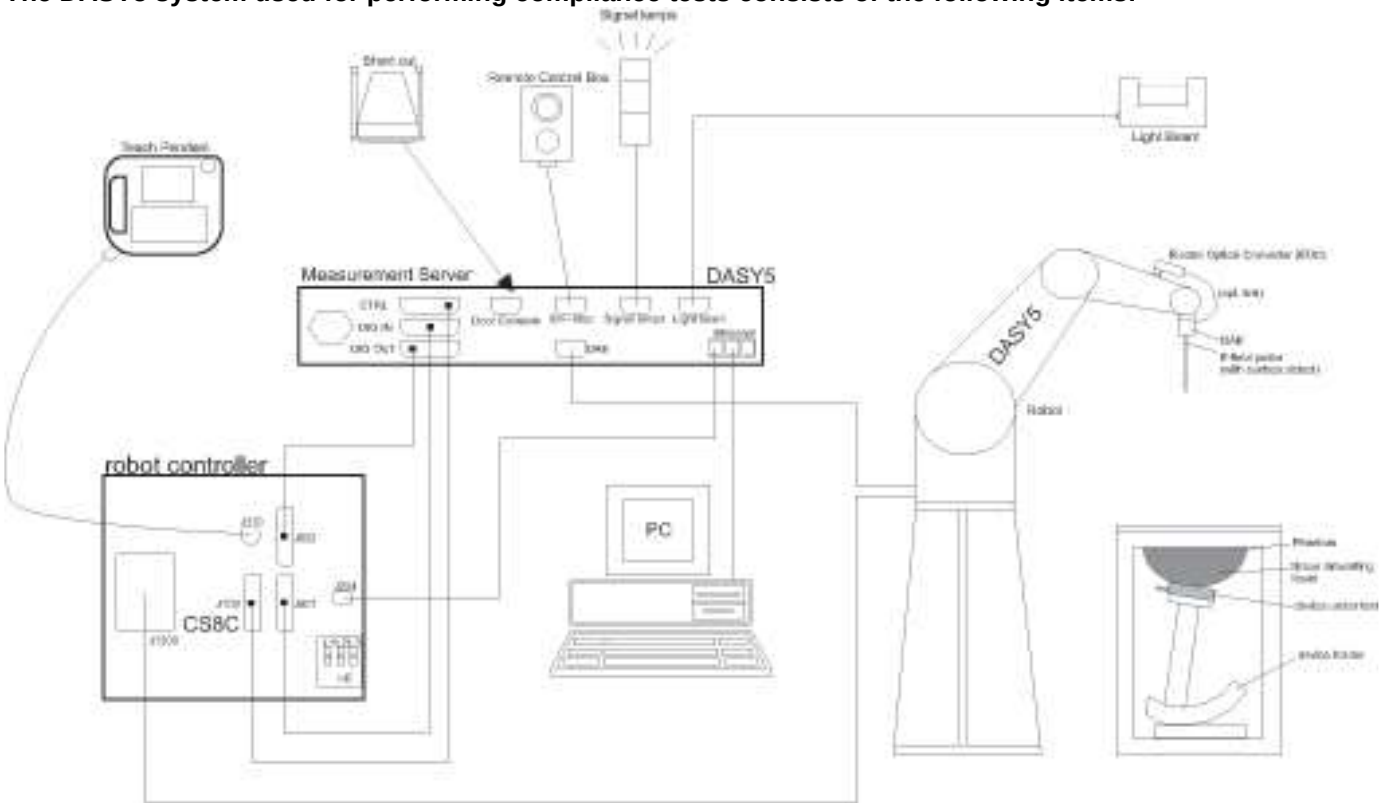
47173 Benicia Street	47266 Benicia Street
SAR Lab A	SAR Lab 1
SAR Lab B	SAR Lab 2
SAR Lab C	SAR Lab 3
SAR Lab D	SAR Lab 4
SAR Lab E	SAR Lab 5
SAR Lab F	SAR Lab 6
SAR Lab G	SAR Lab 7
SAR Lab H	SAR Lab 8
	SAR Lab 9

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

Step 3: Zoom Scan

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

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

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

Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.

* When zoom scan is required and the *reported* SAR from the *area scan based 1-g SAR estimation* procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

Step 4: Power drift measurement

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

4.3. Test Equipment

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

Dielectric Property Measurements

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Network Analyzer	R&S	ZNLE6	101274-mn	3/7/2020
Dielectric Probe kit	SPEAG	DAK-3.5	1082	9/11/2019
Shorting block	SPEAG	DAK-3.5 Short	SM DAK 200 BA	9/11/2019
Thermometer	Fisher Scientific	Traceable	140562250	3/5/2020
Network Analyzer	R&S	ZNLE6	181650	4/24/2020
Dielectric Probe kit	SPEAG	DAK-3.5	SM DAK 040 CA	2/12/2020
Shorting block	SPEAG	DAK-3.5 Short	1059	9/11/2019
Thermometer	Fisher Scientific	Traceable	170064398	5/21/2020

System Check

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Signal Generator	Rhode & Schwarz	SMB100A	180970	2/13/2020
Signal Generator	Rhode & Schwarz	SMB100A	181390	2/13/2020
Signal Generator	Rhode & Schwarz	SMB100A	181389	2/14/2020
Power Sensor	Rhode & Schwarz	NRP18A	100994	2/15/2020
Power Sensor	Rhode & Schwarz	NRP18A	181144	2/15/2020
Power Sensor	Rhode & Schwarz	NRP18A	181143	2/15/2020
Synthesized Signal Generator	Agilent	N5181A	MY50140610	1/31/2020
Power Meter	Keysight	N1912A	MY55196007	1/30/2020
Power Sensor	Agilent	N1921A	MY53260001	2/5/2020
Power Sensor	Agilent	N1921A	MY52200012	2/6/2020
Amplifier	MITEQ	AMF-4D-00400600-50-30P	1795092	N/A
Directional coupler	Werlatone	C8060-102	2149	N/A
DC Power Supply	Sorensen	XT 15-4	1817A02680	N/A
Synthesized Signal Generator	Agilent	N5181A	MY50140630	1/31/2020
Power Sensor	HP	437B	3125U11364	1/29/2020
Power Sensor	HP	437B	3125U16345	1/30/2020
Power Sensor	Keysight	8481A	1926AZ7048	2/7/2020
Power Sensor	Keysight	8481A	3318A92374	9/11/2019
Amplifier	MITEQ	AMF-4D-00400600-50-30P	1795093	N/A
Directional coupler	Werlatone	C8060-102	2149	N/A
DC Power Supply	HP	6296A	2841A-05955	N/A

Lab Equipment

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
E-Field Probe (SAR Lab A)	SPEAG	EX3DV4	3686	8/28/2019
E-Field Probe (SAR Lab B)	SPEAG	EX3DV4	3989	1/25/2020
E-Field Probe (SAR Lab C) *	SPEAG	EX3DV4	3990	8/17/2019
E-Field Probe (SAR Lab C)	SPEAG	EX3DV4	7501	5/21/2020
E-Field Probe (SAR Lab D)	SPEAG	EX3DV4	7335	2/28/2020
E-Field Probe (SAR Lab E)	SPEAG	EX3DV4	3749	1/25/2020
E-Field Probe (SAR Lab F)	SPEAG	EX3DV4	7356	4/17/2020
E-Field Probe (SAR Lab G)	SPEAG	EX3DV4	7448	3/27/2020
E-Field Probe (SAR Lab H)	SPEAG	EX3DV4	7498	4/18/2020
E-Field Probe (SAR Lab 6) *	SPEAG	EX3DV4	3990	8/17/2019
E-Field Probe (SAR Lab 6)	SPEAG	EX3DV4	3773	3/27/2020
E-Field Probe (SAR Lab 7)	SPEAG	EX3DV4	3772	2/20/2020
E-Field Probe (SAR Lab 8)	SPEAG	EX3DV4	3902	5/21/2020
E-Field Probe (SAR Lab 9)	SPEAG	EX3DV4	3773	3/27/2020
E-Field Probe (SAR Lab 9)*	SPEAG	EX3DV4	7463	7/20/2019
Data Acquisition Electronics (SAR Lab A)*	SPEAG	DAE4	1380	8/21/2019
Data Acquisition Electronics (SAR Lab B)	SPEAG	DAE4	1377	9/14/2019
Data Acquisition Electronics (SAR Lab C)	SPEAG	DAE4	1547	5/14/2020
Data Acquisition Electronics (SAR Lab D)	SPEAG	DAE4	1434	4/16/2020
Data Acquisition Electronics (SAR Lab D)	SPEAG	DAE4	1258	5/14/2020
Data Acquisition Electronics (SAR Lab E)	SPEAG	DAE4	1357	2/13/2020
Data Acquisition Electronics (SAR Lab F)	SPEAG	DAE4	1548	4/16/2020
Data Acquisition Electronics (SAR Lab G)	SPEAG	DAE4	1257	9/14/2019
Data Acquisition Electronics (SAR Lab H)	SPEAG	DAE4	1545	4/12/2020
Data Acquisition Electronics (SAR Lab 6)	SPEAG	DAE4	1433	3/20/2020
Data Acquisition Electronics (SAR Lab 7)*	SPEAG	DAE4	1352	8/12/2019
Data Acquisition Electronics (SAR Lab 8)	SPEAG	DAE4	1540	2/18/2020
Data Acquisition Electronics (SAR Lab 9)	SPEAG	DAE4	1546	5/14/2020
Data Acquisition Electronics (SAR Lab 9)	SPEAG	DAE4	1259	10/10/2019
System Validation Dipole	SPEAG	D750V3	1019	3/21/2020
System Validation Dipole	SPEAG	D750V3	1071	11/28/2019
System Validation Dipole	SPEAG	D835V2	4d002	11/28/2019
System Validation Dipole	SPEAG	D835V2	4d117	5/15/2020
System Validation Dipole	SPEAG	D1750V2	1050	4/17/2020
System Validation Dipole	SPEAG	D1750V2	1077	10/16/2019
System Validation Dipole	SPEAG	D1900V2	5d163	10/16/2019
System Validation Dipole	SPEAG	D1900V2	5d140	4/17/2020
System Validation Dipole	SPEAG	D2300V2	1002	3/22/2020
System Validation Dipole	SPEAG	D2450V2	899	3/22/2020
System Validation Dipole	SPEAG	D2600V2	1006	10/16/2019
System Validation Dipole	SPEAG	D2600V2	1036	3/22/2020
System Validation Dipole	SPEAG	D3500V2	1011	5/13/2020
System Validation Dipole	SPEAG	D3700V2	1039	6/12/2020
System Validation Dipole	SPEAG	D5GHzV2	1168	11/30/2019
System Validation Dipole	SPEAG	D5GHzV2	1003	2/19/2020

Note(s):

*Equipment not used past calibration due date.

Other

Name of Equipment	Manufacturer	Type/Model	Tnumber	Serial No.	Cal. Due Date
Base Station Simulator	R & S	CMW500	T375	132910-cp	2/18/2020
Base Station Simulator	R & S	CMW500	T970	137875-dz	2/21/2020
Base Station Simulator	R & S	CMW500	T979	135394-mC	2/20/2020
Base Station Simulator	R & S	CMW500	T964	134853-ud	2/21/2020
Base Station Simulator	R & S	CMW500	T959	137873-WG	2/16/2020
Base Station Simulator	R & S	CMW500	T259	124594-HX	2/17/2020
Base Station Simulator	R & S	CMW500	T919	125236-eS	4/10/2020

5. Measurement Uncertainty

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

Therefore, the measurement uncertainty is not required.

6. Device Under Test (DUT) Information

6.1. DUT Description

The Apple iPhone is a smartphone with multimedia functions (music, application support, and video), cellular GSM, GPRS, EGPRS, UMTS, LTE, TD-SCDMA, CDMA, IEEE 802.11a/b/g/n/ac/ax, Bluetooth, Ultra-Wide band, GPS and NFC. All models support at least one UICC based SIM. The second SIM, if present, is either UICC based pSIM (physical SIM) or e-SIM (electronic SIM). The device has a built-in inductive charging receiver. The rechargeable battery is also not user accessible.

This device has five WWAN antennas (ANT1, ANT2, ANT3, ANT4, and ANT6) as well as multiple Wi-Fi/BT antennas (ANT3 and ANT4 for Wi-Fi/BT 2.4GHz, ANT5 and ANT6 for Wi-Fi 5GHz).

The device utilizes two power modes: Mode A and Mode B. 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.

Device Dimension	Overall (Length x Width): 156.3 mm x 77.8 mm Overall Diagonal: 174.5 mm Display Diagonal: 164.1 mm
Back Cover	The Back Cover is not removable
Battery Options	The rechargeable battery is not user accessible.
Accessory	Headset
Wireless Router (Hotspot)	Wi-Fi Hotspot mode permits the device to share its cellular data connection with other Wi-Fi-enabled devices. ☒ Mobile Hotspot (Wi-Fi 2.4 GHz) ☐ Mobile Hotspot (Wi-Fi 5 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 II Band IV Band V	UMTS Rel. 99 (Voice & Data) HSDPA (Rel. 5) HSUPA (Rel. 6) HSPA+ (Rel. 7) DC-HSDPA (Rel. 8)		100%
LTE	FDD Band 2 FDD Band 4 FDD Band 5 FDD Band 7 FDD Band 12 FDD Band 13 FDD Band 14 FDD Band 17 FDD Band 25 FDD Band 26 FDD Band 29 (DL Only) FDD Band 30 TDD Band 41 [2] TDD Band 46 (DL Only) TDD Band 48 FDD Band 66 FDD Band 71 **Carrier Aggregation** [3] FDD Band 5B FDD Band 7C TDD Band 41C	QPSK 16QAM 64QAM Carrier Aggregation (2 Uplinks and 5 Downlinks)		100% (FDD) 63.3% (TDD) Power Class 3 43.3% (TDD) Power Class 2 Refer to §6.4
	Does this device support SV-LTE (1xRTT-LTE)? ☐ Yes ☒ No			
Wi-Fi	2.4 GHz [1]	802.11b 802.11g 802.11n (HT20) 802.11ac (HT20) 802.11ax (HE20)		100% (802.11b)
	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)		98.92% (802.11a/n/ac 20MHz BW) 97.73% (802.11n/ac 40MHz BW) 95.59% (802.11ac 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	BPSK, 4BOK		N/A [4]

Notes:

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

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

	Band 71	Frequency range: 663 - 698 MHz (BW = 35 MHz)					
		Channel Bandwidth					
		20 MHz [1]	15 MHz [1]	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low	133222/ 673	133197/ 670.5	133172/ 668	133147/ 665.5		
	Mid	**133297/ 680.5**	133297/ 680.5	133297/ 680.5	133297/ 680.5		
	High	133372/ 688	133397/ 690.5	133422/ 693	133447/ 695.5		
LTE transmitter and antenna implementation	LTE can transmit from either ANT1, ANT2, ANT3, ANT4, and ANT6 Then antenna switching is implemented with a physical, "break-before-make" switch such that only one antenna can be used for LTE transmission at a time.						
Maximum power reduction (MPR)	**Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3**						

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

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

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

Notes:

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

6.4. LTE (TDD) Considerations

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

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

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

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

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

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

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

Note(s):

This device supports uplink-downlink configurations 0-6. The configuration with highest duty cycle was used for SAR Testing: configuration 0 at 63.3% duty cycle.

7. RF Exposure Conditions (Test Configurations)

This device has a total of 6 antennas. From Front of the device, antennas and supported frequencies are described and located as follows:

ANT1 (all WWAN bands) - located at the lower of the device.

ANT2 (all WWAN bands except for LTE Band 48) - located at the upper of the device.

ANT3 (all WWAN bands above 1700 MHz and Wi-Fi 2.4 GHz and Bluetooth) – located at lower left corner of the device. CDMA BC1 is not supported by this antenna.

ANT4 (all WWAN bands above 1700 MHz and Wi-Fi 2.4 GHz and Bluetooth) – located at upper right corner of the device. CDMA BC1 is not supported by this antenna.

ANT5 (Wi-Fi 5 GHz Bands) – located at lower left corner of the device.

ANT6 (LTE Band 48 and Wi-Fi 5 GHz Bands) – located at upper left corner of the device.

Refer to separate filing submission document for the proprietary design details of the antenna-to-antenna and antenna-to-edge(s) distances.

The Body-worn accessory test configurations were tested using a conservative minimum test separation distance of 5 mm.

Lower Antenna

Wireless technologies	RF Exposure Conditions	DUT-to-User Separation	Test Position	Antenna-to-edge/surface	SAR Required	Note
WWAN (ANT1)	Head	0 mm	Left Touch	N/A	Yes	
			Left Tilt (15°)	N/A	Yes	
			Right Touch	N/A	Yes	
			Right Tilt (15°)	N/A	Yes	
	Body/Hotspot	5 mm	Rear	< 25 mm	Yes	2
			Front	< 25 mm	Yes	2
	Hotspot	5 mm	Edge 1 (Top)	> 25 mm	No	1
			Edge 2 (Right)	< 25 mm	Yes	
			Edge 3 (Bottom)	< 25 mm	Yes	
			Edge 4 (Left)	< 25 mm	Yes	
WWAN/ Wi-Fi 2.4 GHz/ BT (ANT3)	Head	0 mm	Left Touch	N/A	Yes	
			Left Tilt (15°)	N/A	Yes	
			Right Touch	N/A	Yes	
			Right Tilt (15°)	N/A	Yes	
	Body/Hotspot	5 mm	Rear	< 25 mm	Yes	2
			Front	< 25 mm	Yes	2
	Hotspot	5 mm	Edge 1 (Top)	> 25 mm	No	1
			Edge 2 (Right)	> 25 mm	No	1
			Edge 3 (Bottom)	< 25 mm	Yes	
			Edge 4 (Left)	< 25 mm	Yes	
Wi-Fi 5 GHz (ANT5)	Head	0 mm	Left Touch	N/A	Yes	
			Left Tilt (15°)	N/A	Yes	
			Right Touch	N/A	Yes	
			Right Tilt (15°)	N/A	Yes	
	Body/Hotspot	5 mm	Rear	< 25 mm	Yes	2
			Front	< 25 mm	Yes	2
	Hotspot	5 mm	Edge 1 (Top)	> 25 mm	No	1
			Edge 2 (Right)	> 25 mm	No	1
			Edge 3 (Bottom)	< 25 mm	Yes	
			Edge 4 (Left)	< 25 mm	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.

Upper Antenna

Wireless technologies	RF Exposure Conditions	DUT-to-User Separation	Test Position	Antenna-to-edge/surface	SAR Required	Note
WWAN except for LTE Band 48 (ANT2)	Head	0 mm	Left Touch	N/A	Yes	
			Left Tilt (15°)	N/A	Yes	
			Right Touch	N/A	Yes	
			Right Tilt (15°)	N/A	Yes	
	Body/Hotspot	5 mm	Rear	< 25 mm	Yes	2
			Front	< 25 mm	Yes	2
	Hotspot	5 mm	Edge 1 (Top)	< 25 mm	Yes	
			Edge 2 (Right)	< 25 mm	Yes	
			Edge 3 (Bottom)	> 25 mm	No	1
			Edge 4 (Left)	< 25 mm	Yes	
WWAN/ Wi-Fi 2.4 GHz/ BT (ANT4)	Head	0 mm	Left Touch	N/A	Yes	
			Left Tilt (15°)	N/A	Yes	
			Right Touch	N/A	Yes	
			Right Tilt (15°)	N/A	Yes	
	Body	5 mm	Rear	< 25 mm	Yes	2
			Front	< 25 mm	Yes	2
	Hotspot	5 mm	Edge 1 (Top)	< 25 mm	Yes	
			Edge 2 (Right)	< 25 mm	Yes	
			Edge 3 (Bottom)	> 25 mm	No	1
			Edge 4 (Left)	> 25 mm	No	1
LTE Band 48 and Wi-Fi 5 GHz (ANT6)	Head	0 mm	Left Touch	N/A	Yes	
			Left Tilt (15°)	N/A	Yes	
			Right Touch	N/A	Yes	
			Right Tilt (15°)	N/A	Yes	
	Body/Hotspot	5 mm	Rear	< 25 mm	Yes	2
			Front	< 25 mm	Yes	2
	Hotspot	5 mm	Edge 1 (Top)	< 25 mm	Yes	
			Edge 2 (Right)	> 25 mm	No	1
			Edge 3 (Bottom)	> 25 mm	No	1
			Edge 4 (Left)	< 25 mm	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 Hot Spot SAR.
2. The Body-worn minimum separation distance is 5 mm. To cover both body-worn and hotspot RF exposure conditions testing was performed at a separation distance of 5 mm.

8. Dielectric Property Measurements & System Check

8.1. Dielectric Property Measurements

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

Tissue Dielectric Parameters

FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

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

IEEE Std 1528-2013

Refer to Table 3 within the IEEE Std 1528-2013

Dielectric Property Measurements Results:

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
A	7/14/2019	2600	Head	2600	37.84	39.01	-3.00	1.97	1.96	0.55
				2495	37.97	39.14	-3.00	1.88	1.85	1.59
				2690	37.63	38.90	-3.26	2.05	2.06	-0.56
A	7/14/2019	2600	Body	2600	51.14	52.51	-2.61	2.23	2.16	3.02
				2495	51.42	52.64	-2.32	2.09	2.01	3.96
				2690	50.81	52.40	-3.03	2.34	2.29	2.17
A	7/18/2019	2600	Head	2600	38.48	39.01	-1.36	1.89	1.96	-3.47
				2495	38.60	39.14	-1.39	1.82	1.85	-1.82
				2690	38.33	38.90	-1.46	1.97	2.06	-4.59
A	7/18/2019	2600	Body	2600	53.51	52.51	1.90	2.23	2.16	3.20
				2495	53.82	52.64	2.24	2.09	2.01	3.86
				2690	53.18	52.40	1.49	2.35	2.29	2.79
A	7/22/2019	2600	Head	2600	37.39	39.01	-4.15	1.94	1.96	-1.33
				2495	37.55	39.14	-4.07	1.85	1.85	0.18
				2690	37.20	38.90	-4.36	2.01	2.06	-2.50
A	7/22/2019	2600	Body	2600	52.30	52.51	-0.40	2.15	2.16	-0.50
				2495	52.60	52.64	-0.08	2.03	2.01	0.58
				2690	51.99	52.40	-0.78	2.26	2.29	-1.24
A	7/26/2019	2600	Head	2600	38.51	39.01	-1.28	1.96	1.96	0.09
				2495	38.66	39.14	-1.23	1.87	1.85	1.10
				2690	38.32	38.90	-1.48	2.04	2.06	-0.80
A	7/26/2019	2600	Body	2600	50.04	52.51	-4.71	2.09	2.16	-3.51
				2495	50.31	52.64	-4.43	1.95	2.01	-3.19
				2690	49.79	52.40	-4.98	2.19	2.29	-4.17
A	7/29/2019	2600	Head	2600	39.54	39.01	1.36	1.93	1.96	-1.54
				2495	39.64	39.14	1.27	1.83	1.85	-0.85
				2690	39.40	38.90	1.29	2.01	2.06	-2.50
A	7/29/2019	2600	Body	2600	53.49	52.51	1.86	2.12	2.16	-1.80
				2495	53.78	52.64	2.16	1.98	2.01	-1.45
				2690	53.18	52.40	1.49	2.23	2.29	-2.42
A	8/8/2019	2600	Head	2600	40.61	39.01	4.10	1.97	1.96	0.40
				2495	40.76	39.14	4.13	1.88	1.85	1.64
				2690	40.44	38.90	3.97	2.04	2.06	-0.75
A	8/8/2019	2600	Body	2600	52.33	52.51	-0.34	2.13	2.16	-1.47
				2495	52.49	52.64	-0.29	2.03	2.01	0.98
				2690	52.18	52.40	-0.41	2.21	2.29	-3.20
A	8/12/2019	2600	Head	2600	39.90	39.01	2.28	1.95	1.96	-0.77
				2495	40.05	39.14	2.32	1.86	1.85	0.34
				2690	39.73	38.90	2.14	2.02	2.06	-1.96
A	8/12/2019	2600	Body	2600	51.59	52.51	-1.75	2.17	2.16	0.43
				2495	51.75	52.64	-1.70	2.07	2.01	2.57
				2690	51.40	52.40	-1.90	2.26	2.29	-1.32

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
B	7/6/2019	1750	Head	1750	41.28	40.08	2.98	1.33	1.37	-3.14
				1710	41.30	40.15	2.87	1.30	1.35	-3.37
				1755	41.26	40.08	2.95	1.33	1.37	-3.19
B	7/6/2019	1750	Body	1750	51.35	53.44	-3.91	1.50	1.49	0.93
				1710	51.45	53.54	-3.91	1.45	1.46	-0.72
				1755	51.33	53.43	-3.93	1.51	1.49	1.06
B	7/10/2019	1750	Head	1750	39.20	40.08	-2.21	1.36	1.37	-1.02
				1710	39.22	40.15	-2.31	1.33	1.35	-1.29
				1755	39.18	40.08	-2.24	1.36	1.37	-1.08
B	7/10/2019	1750	Body	1750	51.98	53.44	-2.73	1.46	1.49	-1.63
				1710	52.08	53.54	-2.73	1.42	1.46	-3.18
				1755	51.96	53.43	-2.75	1.47	1.49	-1.49
B	7/14/2019	1750	Head	1750	39.14	40.08	-2.36	1.39	1.37	1.24
				1710	39.18	40.15	-2.41	1.36	1.35	0.86
				1755	39.12	40.08	-2.39	1.39	1.37	1.25
B	7/14/2019	1750	Body	1750	52.09	53.44	-2.53	1.52	1.49	2.48
				1710	52.21	53.54	-2.49	1.47	1.46	0.85
				1755	52.07	53.43	-2.54	1.53	1.49	2.67
B	7/18/2019	1750	Head	1750	38.55	40.08	-3.83	1.35	1.37	-1.31
				1710	38.59	40.15	-3.88	1.33	1.35	-1.52
				1755	38.53	40.08	-3.86	1.35	1.37	-1.30
B	7/18/2019	1750	Body	1750	50.91	53.44	-4.74	1.52	1.49	2.08
				1710	51.04	53.54	-4.68	1.47	1.46	0.51
				1755	50.88	53.43	-4.77	1.52	1.49	2.20
B	7/21/2019	1900	Body	1900	50.99	53.30	-4.33	1.53	1.52	0.79
				1850	51.16	53.30	-4.02	1.48	1.52	-2.63
				1920	50.93	53.30	-4.45	1.56	1.52	2.30
B	7/22/2019	1750	Head	1750	38.48	40.08	-4.00	1.37	1.37	0.00
				1710	38.47	40.15	-4.18	1.34	1.35	-0.48
				1755	38.47	40.08	-4.01	1.37	1.37	0.01
B	7/22/2019	1750	Body	1750	50.87	53.44	-4.81	1.53	1.49	3.22
				1710	50.93	53.54	-4.88	1.48	1.46	1.40
				1755	50.85	53.43	-4.83	1.54	1.49	3.41
B	7/26/2019	1750	Body	1750	51.37	53.44	-3.88	1.55	1.49	4.57
				1710	51.50	53.54	-3.82	1.51	1.46	2.97
				1755	51.34	53.43	-3.91	1.56	1.49	4.68
B	7/30/2019	2600	Head	2600	37.73	39.01	-3.28	1.94	1.96	-1.03
				2495	37.90	39.14	-3.18	1.85	1.85	-0.14
				2690	37.52	38.90	-3.54	2.02	2.06	-2.06
B	8/2/2019	1900	Head	1900	39.42	40.00	-1.45	1.45	1.40	3.50
				1850	39.53	40.00	-1.18	1.42	1.40	1.43
				1920	39.39	40.00	-1.53	1.46	1.40	4.57
B	8/9/2019	1900	Head	1900	40.27	40.00	0.68	1.43	1.40	2.07
				1850	40.34	40.00	0.85	1.40	1.40	0.14
				1920	40.26	40.00	0.65	1.44	1.40	3.00
B	8/9/2019	1900	Body	1900	51.28	53.30	-3.79	1.54	1.52	1.25
				1850	51.46	53.30	-3.45	1.49	1.52	-2.24
				1920	51.23	53.30	-3.88	1.56	1.52	2.83

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
B	8/12/2019	1900	Head	1900	38.51	40.00	-3.73	1.42	1.40	1.71
				1850	38.58	40.00	-3.55	1.40	1.40	0.00
				1920	38.51	40.00	-3.73	1.44	1.40	2.71
B	8/12/2019	1900	Body	1900	52.20	53.30	-2.06	1.52	1.52	0.26
				1850	52.36	53.30	-1.76	1.48	1.52	-2.89
				1920	52.16	53.30	-2.14	1.55	1.52	1.84
B	8/15/2019	1750	Head	1750	41.71	40.08	4.05	1.35	1.37	-1.75
				1710	41.75	40.15	4.00	1.32	1.35	-1.89
				1755	41.69	40.08	4.02	1.35	1.37	-1.81
B	8/15/2019	1750	Body	1750	50.98	53.44	-4.61	1.50	1.49	1.20
				1710	51.11	53.54	-4.55	1.46	1.46	-0.04
				1755	50.96	53.43	-4.62	1.51	1.49	1.33

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
C	7/6/2019	1900	Body	1900	51.49	53.30	-3.40	1.49	1.52	-2.04
				1850	51.61	53.30	-3.17	1.45	1.52	-4.67
				1920	51.46	53.30	-3.45	1.51	1.52	-0.79
C	7/6/2019	1900	Head	1900	41.62	40.00	4.05	1.39	1.40	-0.93
				1850	41.77	40.00	4.43	1.35	1.40	-3.64
				1920	41.57	40.00	3.93	1.41	1.40	0.50
C	7/10/2019	1900	Body	1900	51.08	53.30	-4.17	1.52	1.52	-0.20
				1850	51.18	53.30	-3.98	1.47	1.52	-3.03
				1920	51.05	53.30	-4.22	1.54	1.52	1.25
C	7/10/2019	1900	Head	1900	39.49	40.00	-1.28	1.45	1.40	3.43
				1850	39.62	40.00	-0.95	1.40	1.40	0.21
				1920	39.45	40.00	-1.37	1.47	1.40	5.00
C	7/14/2019	1900	Body	1900	50.67	53.30	-4.93	1.49	1.52	-1.71
				1850	50.78	53.30	-4.73	1.46	1.52	-4.01
				1920	50.64	53.30	-4.99	1.51	1.52	-0.53
C	7/14/2019	1900	Head	1900	39.22	40.00	-1.95	1.41	1.40	0.50
				1850	39.41	40.00	-1.48	1.37	1.40	-1.93
				1920	39.18	40.00	-2.05	1.43	1.40	1.93
C	7/17/2019	1900	Body	1900	54.15	53.30	1.59	1.52	1.52	-0.13
				1850	54.28	53.30	1.84	1.47	1.52	-3.22
				1920	54.08	53.30	1.46	1.54	1.52	1.25
C	7/17/2019	1900	Head	1900	40.88	40.00	2.20	1.45	1.40	3.21
				1850	41.25	40.00	3.13	1.40	1.40	0.14
				1920	40.74	40.00	1.85	1.46	1.40	4.50
C	7/21/2019	1900	body	1900	51.01	53.30	-4.30	1.56	1.52	2.43
				1850	51.17	53.30	-4.00	1.52	1.52	-0.33
				1920	50.97	53.30	-4.37	1.58	1.52	3.75
C	7/21/2019	1900	Head	1900	38.18	40.00	-4.55	1.45	1.40	3.43
				1850	38.19	40.00	-4.53	1.45	1.40	3.43
				1920	38.14	40.00	-4.65	1.47	1.40	4.93
C	7/25/2019	1900	Head	1900	39.98	40.00	-0.05	1.44	1.40	2.71
				1850	39.19	40.00	-2.03	1.39	1.40	-0.43
				1920	38.92	40.00	-2.70	1.46	1.40	4.29
C	7/25/2019	1900	Body	1900	51.62	53.30	-3.15	1.53	1.52	0.72
				1850	51.78	53.30	-2.85	1.49	1.52	-2.30
				1920	51.57	53.30	-3.25	1.55	1.52	2.11
C	8/9/2019	1750	Head	1750	39.43	40.08	-1.63	1.34	1.37	-2.19
				1710	39.57	40.15	-1.44	1.30	1.35	-3.45
				1755	39.40	40.08	-1.69	1.34	1.37	-2.03
C	8/9/2019	1750	Body	1750	52.78	53.44	-1.24	1.45	1.49	-2.16
				1710	52.87	53.54	-1.26	1.41	1.46	-3.66
				1755	52.75	53.43	-1.27	1.46	1.49	-2.03
C	8/12/2019	1750	Head	1750	38.60	40.08	-3.70	1.35	1.37	-1.09
				1710	38.76	40.15	-3.45	1.32	1.35	-2.26
				1755	38.57	40.08	-3.76	1.36	1.37	-1.01
C	8/12/2019	1750	Body	1750	52.39	53.44	-1.97	1.45	1.49	-2.43
				1710	52.49	53.54	-1.97	1.41	1.46	-3.39
				1755	52.37	53.43	-1.98	1.46	1.49	-2.30

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
D	7/10/2019	2300	Head	2300	38.73	39.47	-1.88	1.72	1.66	3.14
				2350	38.61	39.38	-1.97	1.75	1.71	2.42
				2400	38.50	39.30	-2.03	1.79	1.75	1.96
D	7/10/2019	2300	Body	2300	51.94	52.90	-2.26	1.73	1.80	-2.08
				2350	51.53	52.84	-2.48	1.82	1.85	-1.88
				2400	51.38	52.77	-2.64	1.87	1.90	-1.48
D	7/13/2019	2600	Head	2600	37.88	39.01	-2.90	1.98	1.96	1.06
				2495	37.96	39.14	-3.02	1.89	1.85	2.18
				2690	37.58	38.90	-3.39	2.05	2.06	-0.51
D	7/13/2019	2600	Body	2600	54.71	52.51	4.19	2.26	2.16	4.45
				2495	54.89	52.64	4.27	2.11	2.01	4.96
				2690	54.31	52.40	3.65	2.37	2.29	3.57
D	7/14/2019	2300	Head	2300	41.41	39.47	4.91	1.61	1.66	-3.35
				2350	41.34	39.38	4.96	1.64	1.71	-4.20
				2400	41.22	39.30	4.89	1.67	1.75	-4.89
D	7/14/2019	2300	Body	2300	51.23	52.90	-3.16	1.85	1.80	2.69
				2350	51.07	52.84	-3.35	1.90	1.85	2.66
				2400	50.87	52.77	-3.61	1.95	1.90	2.90
D	7/17/2019	2300	Head	2300	37.62	39.47	-4.69	1.71	1.66	2.60
				2350	37.54	39.38	-4.68	1.74	1.71	1.89
				2400	37.41	39.30	-4.80	1.77	1.75	1.22
D	7/17/2019	2300	Body	2300	51.66	52.90	-2.35	1.75	1.80	-2.80
				2350	51.51	52.84	-2.51	1.81	1.85	-2.42
				2400	51.34	52.77	-2.71	1.86	1.90	-2.00
D	7/21/2019	2300	Body	2300	51.69	52.90	-2.30	1.85	1.80	2.74
				2350	51.55	52.84	-2.44	1.91	1.85	3.04
				2400	51.38	52.77	-2.64	1.96	1.90	3.48
D	7/21/2019	2300	Head	2300	37.55	39.47	-4.87	1.74	1.66	4.52
				2350	37.72	39.38	-4.23	1.77	1.71	3.88
				2400	37.35	39.30	-4.95	1.79	1.75	2.25
D	7/21/2019	1900	Head	1900	38.11	40.00	-4.73	1.46	1.40	3.93
				1850	38.18	40.00	-4.55	1.43	1.40	2.00
				1920	38.09	40.00	-4.77	1.47	1.40	4.86
D	7/22/2019	2600	Head	2600	37.29	39.01	-4.41	1.93	1.96	-1.54
				2495	37.44	39.14	-4.35	1.84	1.85	-0.52
				2690	37.11	38.90	-4.59	2.00	2.06	-2.79
D	7/24/2019	2600	Body	2600	52.65	52.51	0.27	2.14	2.16	-1.06
				2495	52.92	52.64	0.53	2.01	2.01	-0.31
				2690	52.34	52.40	-0.11	2.25	2.29	-1.76
D	7/24/2019	2600	Head	2600	37.58	39.01	-3.67	1.97	1.96	0.20
				2495	37.74	39.14	-3.58	1.87	1.85	0.88
				2690	37.56	38.90	-3.44	2.04	2.06	-0.90
D	7/25/2019	2300	Body	2300	51.21	52.90	-3.20	1.77	1.80	-1.75
				2350	51.07	52.84	-3.35	1.82	1.85	-1.93
				2400	50.71	52.77	-3.91	1.88	1.90	-1.05

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
D	7/26/2019	2300	Head	2300	38.46	39.47	-2.57	1.75	1.66	4.94
				2350	38.35	39.38	-2.63	1.78	1.71	4.12
				2400	38.30	39.30	-2.54	1.82	1.75	3.79
D	7/29/2019	2600	Head	2600	39.03	39.01	0.05	1.99	1.96	1.37
				2495	39.19	39.14	0.12	1.89	1.85	2.07
				2690	38.82	38.90	-0.20	2.06	2.06	0.22
D	7/29/2019	2600	Body	2600	52.54	52.51	0.06	2.11	2.16	-2.44
				2495	52.82	52.64	0.34	1.97	2.01	-2.00
				2690	52.23	52.40	-0.32	2.22	2.29	-2.99
D	8/6/2019	2600	Head	2600	38.65	39.01	-0.92	1.95	1.96	-0.87
				2495	38.81	39.14	-0.85	1.86	1.85	0.34
				2690	38.49	38.90	-1.05	2.02	2.06	-2.01
D	8/6/2019	2600	Body	2600	50.65	52.51	-3.54	2.13	2.16	-1.47
				2495	50.95	52.64	-3.22	2.00	2.01	-0.46
				2690	50.38	52.40	-3.85	2.24	2.29	-2.20
D	8/9/2019	2300	Head	2300	38.26	39.47	-3.07	1.67	1.66	0.62
				2350	38.16	39.38	-3.11	1.71	1.71	-0.10
				2400	38.04	39.30	-3.20	1.74	1.75	-0.61
D	8/9/2019	2300	Body	2300	51.34	52.90	-2.96	1.86	1.80	2.97
				2350	51.17	52.84	-3.16	1.91	1.85	3.31
				2400	50.99	52.77	-3.38	1.97	1.90	3.74
D	8/13/2019	2300	Body	2300	55.46	52.90	4.83	1.84	1.80	2.13
				2350	55.15	52.84	4.37	1.90	1.85	2.44
				2400	55.16	52.77	4.52	1.96	1.90	3.48

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
E	7/2/2019	5750	Head	5750	35.93	35.36	1.60	5.22	5.21	0.14
				5700	36.07	35.42	1.84	5.11	5.16	-0.96
				5850	35.81	35.30	1.44	5.29	5.27	0.32
E	7/2/2019	5750	Body	5750	46.62	48.27	-3.43	6.16	5.94	3.84
				5700	46.84	48.34	-3.11	5.90	5.88	0.36
				5850	46.36	48.20	-3.82	6.16	6.00	2.65
E	7/6/2019	5750	Head	5750	37.01	35.36	4.66	5.18	5.21	-0.74
				5700	36.91	35.42	4.21	4.93	5.16	-4.58
				5850	36.61	35.30	3.71	5.17	5.27	-1.92
E	7/6/2019	5750	Body	5750	46.96	48.27	-2.72	6.15	5.94	3.64
				5700	46.78	48.34	-3.23	5.83	5.88	-0.74
				5850	46.41	48.20	-3.71	6.18	6.00	2.95
E	7/9/2019	5750	Head	5750	36.37	35.36	2.85	5.16	5.21	-1.09
				5700	36.40	35.42	2.77	5.12	5.16	-0.92
				5850	36.25	35.30	2.69	5.28	5.27	0.09
E	7/9/2019	5750	Body	5750	47.56	48.27	-1.48	5.97	5.94	0.49
				5700	47.60	48.34	-1.54	5.92	5.88	0.64
				5850	47.42	48.20	-1.62	6.12	6.00	1.98
E	7/10/2019	2450	Body	2450	52.24	52.70	-0.87	1.92	1.95	-1.44
				2400	52.54	52.77	-0.44	1.87	1.90	-1.58
				2480	52.21	52.66	-0.86	1.96	1.99	-1.41
E	7/13/219	2600	Body	2600	52.96	52.51	0.86	2.23	2.16	3.20
				2495	53.26	52.64	1.17	2.07	2.01	2.97
				2690	52.46	52.40	0.12	2.36	2.29	2.96
E	7/17/2019	2600	Body	2600	51.72	52.51	-1.51	2.13	2.16	-1.52
				2495	52.08	52.64	-1.07	2.00	2.01	-0.71
				2690	51.40	52.40	-1.90	2.25	2.29	-1.59
E	7/21/2019	2600	Body	2600	51.04	52.51	-2.80	2.19	2.16	1.21
				2495	51.42	52.64	-2.32	2.04	2.01	1.53
				2690	50.65	52.40	-3.33	2.31	2.29	1.08
E	7/30/2019	2600	Body	2600	52.10	52.51	-0.78	2.20	2.16	1.77
				2495	52.47	52.64	-0.33	2.05	2.01	1.73
				2690	51.75	52.40	-1.24	2.33	2.29	1.74
E	8/16/2019	3500	Body	3500	50.42	51.32	-1.76	3.38	3.31	2.15
				3600	50.23	51.19	-1.87	3.48	3.43	1.56
				3700	50.05	51.05	-1.96	3.58	3.55	0.96

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
F	7/5/2019	2450	Body	2450	52.49	52.70	-0.40	1.97	1.95	0.92
				2400	52.67	52.77	-0.19	1.91	1.90	0.42
				2480	52.37	52.66	-0.55	2.00	1.99	0.59
F	7/5/2019	2450	Head	2450	38.35	39.20	-2.17	1.89	1.80	4.72
				2400	38.52	39.30	-1.98	1.83	1.75	4.47
				2480	38.23	39.16	-2.38	1.92	1.83	4.62
F	7/9/2019	2450	Head	2450	40.85	39.20	4.21	1.89	1.80	4.78
				2400	41.05	39.30	4.46	1.82	1.75	4.07
				2480	40.79	39.16	4.16	1.92	1.83	4.78
F	7/9/2019	2450	Body	2450	51.46	52.70	-2.35	2.05	1.95	4.97
				2400	51.67	52.77	-2.09	1.97	1.90	3.74
				2480	51.41	52.66	-2.38	2.08	1.99	4.61
F	7/13/2019	2450	Body	2450	52.83	52.70	0.25	2.02	1.95	3.44
				2400	52.83	52.77	0.11	1.93	1.90	1.74
				2480	52.71	52.66	0.09	2.05	1.99	2.65
F	7/13/2019	2450	Head	2450	40.04	39.20	2.14	1.84	1.80	2.33
				2400	40.07	39.30	1.97	1.77	1.75	1.05
				2480	39.96	39.16	2.04	1.87	1.83	1.89
F	7/17/2019	2450	Head	2450	38.78	39.20	-1.07	1.85	1.80	2.67
				2400	39.01	39.30	-0.73	1.79	1.75	2.30
				2480	38.68	39.16	-1.23	1.88	1.83	2.71
F	7/17/2019	2450	Body	2450	51.18	52.70	-2.88	2.01	1.95	2.97
				2400	51.42	52.77	-2.56	1.94	1.90	2.37
				2480	51.08	52.66	-3.00	2.05	1.99	2.75
F	7/23/2019	5250	Head	5250	37.35	35.93	3.94	4.58	4.70	-2.66
				5150	37.52	36.05	4.09	4.46	4.60	-3.06
				5350	37.16	35.82	3.74	4.70	4.80	-2.22
F	7/23/2019	5600	Head	5600	36.77	35.53	3.48	4.97	5.06	-1.86
				5500	36.96	35.65	3.68	4.85	4.96	-2.18
				5725	36.54	35.39	3.25	5.13	5.19	-1.18
F	7/23/2019	5750	Head	5750	36.49	35.36	3.19	5.17	5.21	-0.93
				5700	36.60	35.42	3.33	5.09	5.16	-1.37
				5850	36.34	35.30	2.95	5.27	5.27	-0.02
F	7/30/2019	2600	Body	2600	51.68	52.51	-1.58	2.17	2.16	0.52
				2495	52.04	52.64	-1.15	2.02	2.01	0.53
				2690	51.34	52.40	-2.02	2.30	2.29	0.34
F	8/9/2019	2300	Head	2300	38.76	39.47	-1.81	1.71	1.66	2.60
				2350	38.67	39.38	-1.81	1.74	1.71	1.89
				2400	38.54	39.30	-1.93	1.77	1.75	1.05
F	8/9/2019	2300	Body	2300	51.85	52.90	-1.99	1.83	1.80	1.30
				2350	51.59	52.84	-2.36	1.89	1.85	2.23
				2400	51.41	52.77	-2.58	1.96	1.90	3.42
F	8/9/2019	3500	Head	3500	37.66	37.93	-0.71	2.79	2.91	-4.18
				3600	37.48	37.82	-0.89	2.88	3.01	-4.31
				3700	37.28	37.70	-1.12	2.97	3.12	-4.63

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
F	8/9/2019	3500	Body	3500	50.58	51.32	-1.45	3.15	3.31	-4.86
				3600	50.30	51.19	-1.73	3.28	3.43	-4.33
				3700	50.00	51.05	-2.06	3.41	3.55	-3.92
F	8/12/2019	2450	Head	2450	40.34	39.20	2.91	1.82	1.80	0.94
				2400	40.44	39.30	2.91	1.78	1.75	1.50
				2480	40.34	39.16	3.01	1.84	1.83	0.47
F	8/12/2019	2450	Body	2450	53.43	52.70	1.39	1.98	1.95	1.59
				2400	53.66	52.77	1.68	1.92	1.90	1.00
				2480	53.37	52.66	1.34	2.03	1.99	1.65
F	8/13/2019	3500	Head	3500	37.53	37.93	-1.05	2.81	2.91	-3.35
				3600	37.44	37.82	-0.99	2.89	3.01	-4.28
				3700	36.89	37.70	-1.09	3.08	3.12	-4.82
F	8/13/2019	3500	Body	3500	50.37	51.32	-1.86	3.40	3.31	2.48
				3600	50.22	51.19	-1.89	3.48	3.43	1.53
				3700	50.11	51.05	-1.84	3.59	3.55	1.27
F	8/17/2019	2600	Head	2600	38.71	39.01	-0.77	1.95	1.96	-0.72
				2495	38.83	39.14	-0.80	1.86	1.85	0.45
				2690	38.50	38.90	-1.02	2.02	2.06	-1.92
F	8/17/2019	2600	Body	2600	50.22	52.51	-4.36	2.17	2.16	0.47
				2495	50.57	52.64	-3.94	2.02	2.01	0.39
				2690	49.81	52.40	-4.94	2.30	2.29	0.51

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
G	7/5/2019	5250	Head	5250	35.68	35.93	-0.70	4.88	4.70	3.74
				5150	35.71	36.05	-0.94	4.68	4.60	1.70
				5350	35.26	35.82	-1.56	5.00	4.80	4.03
G	7/5/2019	5250	Body	5250	48.92	48.95	-0.07	5.30	5.35	-1.01
				5150	48.83	49.09	-0.52	5.05	5.24	-3.50
				5350	48.46	48.82	-0.73	5.46	5.47	-0.16
G	7/9/2019	5250	Head	5250	36.57	35.93	1.77	4.67	4.70	-0.64
				5150	36.70	36.05	1.81	4.58	4.60	-0.50
				5350	36.41	35.82	1.65	4.80	4.80	-0.16
G	7/9/2019	5250	Body	5250	47.06	48.95	-3.86	5.33	5.35	-0.47
				5150	47.19	49.09	-3.87	5.22	5.24	-0.39
				5350	46.89	48.82	-3.95	5.49	5.47	0.28
G	7/11/2019	2450	Body	2450	51.16	52.70	-2.92	1.98	1.95	1.38
				2400	51.38	52.77	-2.64	1.91	1.90	0.63
				2480	51.10	52.66	-2.97	2.02	1.99	1.15
G	7/15/2019	5600	Body	5600	47.92	48.48	-1.15	5.94	5.76	3.04
				5500	48.33	48.61	-0.58	5.81	5.64	3.00
				5725	47.66	48.31	-1.34	6.14	5.91	3.97
G	7/17/2019	2600	Body	2600	51.31	52.51	-2.29	2.20	2.16	2.00
				2495	51.68	52.64	-1.83	2.05	2.01	1.97
				2690	50.94	52.40	-2.78	2.33	2.29	1.95
G	7/18/2019	5600	Head	5600	34.55	35.53	-2.77	4.83	5.06	-4.65
				5500	34.68	35.65	-2.72	4.72	4.96	-4.88
				5725	34.35	35.39	-2.94	4.97	5.19	-4.30
G	7/18/2019	5250	Head	5250	35.00	35.93	-2.60	4.49	4.70	-4.55
				5150	35.14	36.05	-2.52	4.40	4.60	-4.32
				5350	34.86	35.82	-2.68	4.60	4.80	-4.26
G	7/18/2019	5750	Head	5750	34.31	35.36	-2.98	4.99	5.21	-4.29
				5700	34.38	35.42	-2.94	4.94	5.16	-4.39
				5850	34.20	35.30	-3.12	5.10	5.27	-3.30
G	7/21/2019	2600	Body	2600	51.73	52.51	-1.49	2.26	2.16	4.41
				2495	52.13	52.64	-0.97	2.10	2.01	4.46
				2690	51.35	52.40	-2.00	2.39	2.29	4.27
G	7/25/2019	2600	Body	2600	52.60	52.51	0.17	2.22	2.16	2.74
				2495	52.96	52.64	0.60	2.07	2.01	2.77
				2690	52.19	52.40	-0.40	2.36	2.29	3.13
G	8/13/2019	2600	Head	2600	40.35	39.01	3.43	2.00	1.96	2.13
				2495	40.71	39.14	4.00	1.88	1.85	1.75
				2690	40.11	38.90	3.12	2.11	2.06	2.41
G	8/13/2019	2600	Body	2600	51.14	52.51	-2.61	2.24	2.16	3.53
				2495	51.58	52.64	-2.02	2.09	2.01	3.76
				2690	50.86	52.40	-2.93	2.37	2.29	3.44

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
H	7/5/2019	5600	Head	5600	34.53	35.53	-2.83	4.81	5.06	-4.97
				5500	34.97	35.65	-1.90	4.75	4.96	-4.29
				5725	34.25	35.39	-3.22	4.97	5.19	-4.28
H	7/5/2019	5600	Body	5600	47.16	48.48	-2.72	5.95	5.76	3.32
				5500	47.77	48.61	-1.73	5.84	5.64	3.48
				5725	46.77	48.31	-3.18	6.16	5.91	4.24
H	7/9/2019	5600	Head	5600	36.58	35.53	2.94	5.06	5.06	0.00
				5500	36.76	35.65	3.12	4.95	4.96	-0.22
				5725	36.36	35.39	2.74	5.22	5.19	0.52
H	7/9/2019	5600	Body	5600	49.53	48.48	2.17	5.60	5.76	-2.83
				5500	49.69	48.61	2.22	5.51	5.64	-2.31
				5725	49.35	48.31	2.16	5.77	5.91	-2.38
H	7/13/2019	2450	Head	2450	39.45	39.20	0.64	1.88	1.80	4.61
				2400	39.39	39.30	0.24	1.83	1.75	4.24
				2480	39.46	39.16	0.76	1.90	1.83	3.52
H	7/16/2019	2600	Head	2600	39.02	39.01	0.02	1.93	1.96	-1.44
				2495	39.02	39.14	-0.31	1.84	1.85	-0.25
				2690	38.85	38.90	-0.12	2.00	2.06	-2.69
H	7/20/2019	2600	Head	2600	39.02	39.01	0.02	1.97	1.96	0.35
				2495	39.17	39.14	0.07	1.88	1.85	1.59
				2690	38.84	38.90	-0.15	2.04	2.06	-0.90
H	7/24/2019	2600	Head	2600	40.19	39.01	3.02	1.98	1.96	0.96
				2495	40.32	39.14	3.01	1.88	1.85	1.75
				2690	40.05	38.90	2.96	2.06	2.06	-0.02
H	7/31/2019	2600	Head	2600	38.06	39.01	-2.44	1.90	1.96	-3.17
				2495	38.20	39.14	-2.41	1.82	1.85	-1.71
				2690	37.88	38.90	-2.62	1.97	2.06	-4.44
H	8/14/2019	3500	Body	3500	50.20	51.32	-2.19	3.43	3.31	3.66
				3600	50.00	51.19	-2.32	3.57	3.43	4.21
				3700	49.66	51.05	-2.73	3.72	3.55	4.85
H	8/14/2019	3500	Head	3500	38.05	37.93	0.32	2.89	2.91	-0.60
				3600	37.92	37.82	0.28	2.93	3.01	-2.75
				3700	37.62	37.70	-0.22	3.03	3.12	-2.80
H	8/16/2019	3500	Body	3500	51.02	51.32	-0.59	3.34	3.31	0.91
				3600	50.67	51.19	-1.01	3.47	3.43	1.09
				3700	50.36	51.05	-1.35	3.59	3.55	1.27
H	8/16/2019	3500	Head	3500	37.81	37.93	-0.32	3.00	2.91	3.17
				3600	37.57	37.82	-0.65	3.11	3.01	3.22
				3700	37.35	37.70	-0.93	3.21	3.12	2.95

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
6	7/10/2019	3500	Head	3500	38.05	37.93	0.32	2.83	2.91	-2.80
				3600	37.85	37.82	0.09	2.93	3.01	-2.95
				3700	37.67	37.70	-0.08	3.02	3.12	-3.06
6	7/10/2019	3500	Body	3500	52.32	51.32	1.94	3.41	3.31	3.05
				3600	52.12	51.19	1.82	3.50	3.43	2.09
				3700	51.74	51.05	1.35	3.62	3.55	1.97
6	7/14/2019	3500	Head	3500	39.00	37.93	2.82	2.78	2.91	-4.49
				3600	38.84	37.82	2.71	2.87	3.01	-4.64
				3700	38.68	37.70	2.60	2.97	3.12	-4.72
6	7/14/2019	3500	Body	3500	51.19	51.32	-0.26	3.45	3.31	3.99
				3600	50.93	51.19	-0.50	3.58	3.43	4.36
				3700	50.66	51.05	-0.77	3.72	3.55	4.79
6	7/17/2019	3500	Head	3500	39.61	37.93	4.43	2.80	2.91	-3.73
				3600	39.44	37.82	4.30	2.90	3.01	-3.85
				3700	39.27	37.70	4.16	2.99	3.12	-3.95
6	7/17/2019	3500	Body	3500	51.89	51.32	1.11	3.33	3.31	0.55
				3600	51.63	51.19	0.87	3.46	3.43	0.92
				3700	51.37	51.05	0.62	3.59	3.55	1.24
6	7/21/2019	1900	Head	1900	39.96	40.00	-0.10	1.46	1.40	4.14
				1850	40.03	40.00	0.08	1.43	1.40	1.93
				1920	39.89	40.00	-0.27	1.47	1.40	4.93
6	7/22/2019	750	Head	750	41.43	41.96	-1.27	0.89	0.89	-0.15
				660	41.90	42.42	-1.23	0.86	0.89	-3.05
				800	41.29	41.71	-1.00	0.91	0.90	1.18
6	7/26/2019	3500	Body	3500	50.49	51.32	-1.62	3.16	3.31	-4.68
				3600	50.26	51.19	-1.81	3.29	3.43	-4.21
				3700	50.01	51.05	-2.04	3.41	3.55	-3.75

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
7	7/1/2019	835	Body	835	53.39	55.20	-3.28	1.02	0.97	4.74
				805	53.37	55.33	-3.55	1.00	0.97	3.69
				850	53.39	55.16	-3.20	1.02	0.99	3.63
7	7/5/2019	835	Head	835	40.02	41.50	-3.57	0.90	0.90	-0.10
				805	40.28	41.68	-3.36	0.89	0.90	-0.46
				850	39.94	41.50	-3.76	0.90	0.92	-1.62
7	7/5/2019	835	Body	835	52.89	55.20	-4.18	0.99	0.97	2.44
				805	53.11	55.33	-4.02	0.99	0.97	2.14
				850	52.82	55.16	-4.24	0.99	0.99	0.78
7	7/9/2019	835	Head	835	41.57	41.50	0.17	0.98	0.90	9.24
				805	41.59	41.68	-0.21	0.96	0.90	7.22
				850	41.54	41.50	0.10	0.99	0.92	8.10
7	7/9/2019	835	Body	835	52.66	55.20	-4.60	0.94	0.97	-3.49
				805	52.77	55.33	-4.63	0.94	0.97	-3.30
				850	52.63	55.16	-4.58	0.94	0.99	-4.90
7	7/10/2019	835	Head	835	41.40	41.50	-0.24	0.93	0.90	3.56
				805	41.44	41.68	-0.57	0.92	0.90	2.54
				850	41.39	41.50	-0.27	0.94	0.92	2.30
7	7/13/2019	835	Head	835	41.67	41.50	0.41	0.94	0.90	4.03
				805	41.85	41.68	0.41	0.92	0.90	2.68
				850	41.61	41.50	0.27	0.94	0.92	2.57
7	7/13/2019	835	Body	835	54.51	55.20	-1.25	0.98	0.97	1.09
				805	54.74	55.33	-1.07	0.97	0.97	0.29
				850	54.45	55.16	-1.28	0.98	0.99	-0.31
7	7/17/2019	2600	Body	2600	51.79	52.51	-1.37	2.22	2.16	2.51
				2495	51.95	52.64	-1.32	2.11	2.01	4.76
				2690	51.63	52.40	-1.46	2.29	2.29	0.21
7	7/18/2019	1900	Body	1900	52.60	53.30	-1.31	1.54	1.52	1.38
				1850	52.70	53.30	-1.13	1.51	1.52	-0.59
				1920	52.54	53.30	-1.43	1.55	1.52	2.11
7	7/21/2019	2600	Body	2600	51.50	52.51	-1.92	2.17	2.16	0.56
				2495	51.65	52.64	-1.89	2.06	2.01	2.47
				2690	51.34	52.40	-2.02	2.25	2.29	-1.50
7	7/23/2019	835	Body	835	55.39	55.20	0.34	1.01	0.97	4.02
				805	55.46	55.33	0.23	1.00	0.97	2.96
				850	55.36	55.16	0.37	1.01	0.99	2.72
7	7/23/2019	2600	Head	2600	39.62	39.01	1.56	2.00	1.96	1.93
				2495	39.84	39.14	1.78	1.90	1.85	2.56
				2690	39.28	38.90	0.98	2.08	2.06	0.95
7	7/29/2019	835	Body	835	53.21	55.20	-3.61	0.98	0.97	1.44
				805	53.22	55.33	-3.82	0.97	0.97	0.23
				850	53.16	55.16	-3.62	0.99	0.99	0.31

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
8	7/17/2019	2300	Head	2300	40.77	39.47	3.29	1.72	1.66	3.20
				2350	40.72	39.38	3.39	1.76	1.71	3.06
				2400	40.67	39.30	3.49	1.80	1.75	2.65
8	7/19/2019	2600	Head	2600	38.97	39.01	-0.10	1.95	1.96	-0.82
				2495	39.12	39.14	-0.06	1.86	1.85	0.51
				2690	38.81	38.90	-0.22	2.01	2.06	-2.64
8	7/22/2019	835	Head	835	41.68	41.50	0.43	0.94	0.90	4.44
				805	41.65	41.68	-0.07	0.93	0.90	3.62
				850	41.66	41.50	0.39	0.95	0.92	3.53
9	7/2/2019	750	Head	750	42.00	41.96	0.09	0.92	0.89	2.72
				660	42.22	42.42	-0.48	0.89	0.89	0.33
				800	41.67	41.71	-0.08	0.93	0.90	4.07
9	7/2/2019	750	Body	750	53.72	55.55	-3.29	0.99	0.96	2.43
				660	54.60	55.89	-2.31	0.90	0.96	-6.32
				800	53.21	55.35	-3.87	1.04	0.97	7.35
9	7/3/2019	750	Body	750	56.70	55.55	2.08	0.94	0.96	-1.90
				660	57.70	55.89	3.23	0.87	0.96	-9.38
				800	56.33	55.35	1.76	0.99	0.97	1.87
9	7/3/2019	750	Body	750	54.39	55.55	-2.08	0.96	0.96	-0.46
				660	55.45	55.89	-0.79	0.88	0.96	-8.09
				800	53.83	55.35	-2.75	1.01	0.97	3.94
9	7/4/2019	750	Body	750	58.97	55.55	6.16	0.95	0.96	-1.37
				660	58.59	55.89	4.83	0.88	0.96	-8.44
				800	57.79	55.35	4.40	0.98	0.97	1.50
9	7/5/2019	750	Body	750	53.63	55.55	-3.45	0.97	0.96	0.76
				660	54.74	55.89	-2.06	0.89	0.96	-6.72
				800	53.15	55.35	-3.98	1.01	0.97	4.77
9	7/6/2019	750	Body	750	53.45	55.55	-3.77	0.96	0.96	-0.37
				660	54.36	55.89	-2.74	0.87	0.96	-8.69
				800	52.83	55.35	-4.56	1.00	0.97	3.83
9	7/6/2019	750	Head	750	40.79	41.96	-2.79	0.90	0.89	0.63
				660	40.71	42.42	-4.04	0.87	0.89	-1.96
				800	40.43	41.71	-3.06	0.91	0.90	1.60

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
9	7/7/2019	750	Body	750	55.16	55.55	-0.70	0.94	0.96	-2.02
				660	56.52	55.89	1.12	0.87	0.96	-9.29
				800	54.91	55.35	-0.80	0.98	0.97	1.80
9	7/8/2019	750	Body	750	53.77	55.55	-3.20	0.95	0.96	-1.04
				660	55.05	55.89	-1.51	0.88	0.96	-8.02
				800	53.23	55.35	-3.84	1.00	0.97	3.02
9	7/9/2019	750	Body	750	53.38	55.55	-3.90	0.95	0.96	-1.41
				660	54.30	55.89	-2.85	0.87	0.96	-9.49
				800	52.63	55.35	-4.92	0.99	0.97	2.69
9	7/10/2019	750	Body	750	55.26	55.55	-0.52	0.99	0.96	2.52
				660	55.52	55.89	-0.67	0.90	0.96	-5.84
				800	54.70	55.35	-1.18	1.04	0.97	7.14
9	7/10/2019	750	Head	750	40.60	41.96	-3.24	0.87	0.89	-2.11
				660	40.57	42.42	-4.37	0.85	0.89	-3.81
				800	40.52	41.71	-2.84	0.89	0.90	-0.93
9	7/11/2019	750	Body	750	59.89	55.55	7.82	1.02	0.96	5.50
				660	61.30	55.89	9.68	0.96	0.96	0.02
				800	59.86	55.35	8.14	1.04	0.97	7.97
9	7/12/2019	750	Body	750	57.70	55.55	3.88	0.93	0.96	-3.94
				660	58.34	55.89	4.38	0.86	0.96	-9.62
				800	57.19	55.35	3.32	0.95	0.97	-1.84
9	7/13/2019	750	Body	750	58.93	55.55	6.09	0.93	0.96	-3.00
				660	59.32	55.89	6.13	0.88	0.96	-8.35
				800	58.21	55.35	5.16	0.96	0.97	-0.33
9	7/13/2019	1750	Head	1750	38.20	40.08	-4.70	1.39	1.37	1.46
				1710	38.25	40.15	-4.72	1.36	1.35	1.16
				1755	38.22	40.08	-4.63	1.39	1.37	1.47
9	7/14/2019	2600	Head	2600	37.35	39.01	-4.26	1.95	1.96	-0.77
				2495	37.45	39.14	-4.33	1.85	1.85	-0.04
				2690	37.19	38.90	-4.39	2.01	2.06	-2.26
9	7/18/2019	2600	Head	2600	37.21	39.01	-4.62	1.98	1.96	0.86
				2495	37.35	39.14	-4.58	1.88	1.85	1.91
				2690	37.03	38.90	-4.80	2.05	2.06	-0.70
9	7/21/2019	1900	Head	1900	40.06	40.00	0.15	1.47	1.40	4.93
				1850	40.09	40.00	0.23	1.44	1.40	2.86
				1920	39.99	40.00	-0.02	1.48	1.40	5.43
9	7/22/2019	750	Body	750	53.42	55.55	-3.83	0.97	0.96	0.62
				660	54.30	55.89	-2.85	0.88	0.96	-8.22
				800	52.60	55.35	-4.97	1.01	0.97	4.87
9	7/23/2019	750	Body	750	55.38	55.55	-0.30	1.00	0.96	4.04
				660	56.20	55.89	0.55	0.91	0.96	-4.86
				800	54.77	55.35	-1.05	1.04	0.97	7.97
9	7/24/2019	750	Body	750	52.83	55.55	-4.89	0.96	0.96	-0.23
				660	53.88	55.89	-3.60	0.88	0.96	-8.18
				800	52.24	55.35	-5.63	1.01	0.97	4.35

8.2. System Check

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

System Performance Check Measurement Conditions:

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

System Check Results

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

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
A	7/14/2019	Head	D2600V2 SN:1036	3/22/2020	5.830	58.30	55.90	4.29	2.610	26.10	24.80	5.24	
A	7/14/2019	Body	D2600V2 SN:1036	3/22/2020	5.680	56.80	53.90	5.38	2.510	25.10	23.90	5.02	
A	7/18/2019	Head	D2600V2 SN:1036	3/22/2020	5.680	56.80	55.90	1.61	2.560	25.60	24.80	3.23	
A	7/18/2019	Body	D2600V2 SN:1036	3/22/2020	4.960	49.60	53.90	-7.98	2.230	22.30	23.90	-6.69	1,2
A	7/22/2019	Head	D2600V2 SN:1036	3/22/2020	5.960	59.60	55.90	6.62	2.640	26.40	24.80	6.45	
A	7/22/2019	Body	D2600V2 SN:1036	3/22/2020	5.070	50.70	53.90	-5.94	2.350	23.50	23.90	-1.67	
A	7/26/2019	Head	D2600V2 SN:1036	3/22/2020	5.770	57.70	55.90	3.22	2.600	26.00	24.80	4.84	
A	7/26/2019	Body	D2600V2 SN:1036	3/22/2020	5.740	57.40	53.90	6.49	2.540	25.40	23.90	6.28	
A	7/29/2019	Head	D2600V2 SN:1036	3/22/2020	5.900	59.00	55.90	5.55	2.690	26.90	24.80	8.47	
A	7/29/2019	Body	D2600V2 SN:1036	3/22/2020	5.400	54.00	53.90	0.19	2.460	24.60	23.90	2.93	
A	8/8/2019	Head	D2600V2 SN:1006	10/16/2019	6.140	61.40	59.31	3.52	2.790	27.90	26.43	5.56	
A	8/8/2019	Body	D2600V2 SN:1006	10/16/2019	5.660	56.60	58.52	-3.28	2.550	25.50	26.15	-2.49	
A	8/12/2019	Head	D2600V2 SN:1036	3/22/2020	6.020	60.20	55.90	7.69	2.710	27.10	24.80	9.27	
A	8/12/2019	Body	D2600V2 SN:1036	3/22/2020	5.410	54.10	53.90	0.37	2.420	24.20	23.90	1.26	
B	7/6/2019	Head	D1750V2 SN:1050	4/17/2020	3.530	35.30	35.40	-0.28	1.890	18.90	18.60	1.61	
B	7/6/2019	Body	D1750V2 SN:1050	4/17/2020	3.710	37.10	36.40	1.92	1.980	19.80	19.20	3.13	
B	7/10/2019	Head	D1750V2 SN:1050	4/17/2020	3.550	35.50	35.40	0.28	1.880	18.80	18.60	1.08	
B	7/10/2019	Body	D1750V2 SN:1050	4/17/2020	3.670	36.70	36.40	0.82	1.950	19.50	19.20	1.56	
B	7/14/2019	Head	D1750V2 SN:1050	4/17/2020	3.780	37.80	35.40	6.78	1.990	19.90	18.60	6.99	3,4
B	7/14/2019	Body	D1750V2 SN:1050	4/17/2020	3.870	38.70	36.40	6.32	2.040	20.40	19.20	6.25	
B	7/18/2019	Head	D1750V2 SN:1050	4/17/2020	3.640	36.40	35.40	2.82	1.920	19.20	18.60	3.23	
B	7/18/2019	Body	D1750V2 SN:1050	4/17/2020	3.800	38.00	36.40	4.40	1.990	19.90	19.20	3.65	
B	7/21/2019	Body	D1900V2 SN:5d140	4/17/2020	4.410	44.10	40.40	9.16	2.280	22.80	21.30	7.04	5,6
B	7/22/2019	Head	D1750V2 SN:1050	4/17/2020	3.710	37.10	35.40	4.80	1.950	19.50	18.60	4.84	
B	7/22/2019	Body	D1750V2 SN:1050	4/17/2020	3.870	38.70	36.40	6.32	2.030	20.30	19.20	5.73	
B	7/26/2019	Body	D1750V2 SN:1050	4/17/2020	3.960	39.60	36.40	8.79	2.060	20.60	19.20	7.29	
B	7/30/2019	Head	D2600V2 SN:1036	3/22/2020	5.740	57.40	55.90	2.68	2.560	25.60	24.80	3.23	7,8
B	8/2/2019	Head	D1900V2 SN:5d163	10/16/2019	4.310	43.10	42.19	2.16	2.210	22.10	21.73	1.70	9,10
B	8/9/2019	Head	D1900V2 SN:5d163	10/16/2019	4.140	41.40	42.19	-1.87	2.140	21.40	21.73	-1.52	
B	8/9/2019	Body	D1900V2 SN:5d163	10/16/2019	4.290	42.90	42.59	0.73	2.220	22.20	22.17	0.14	
B	8/12/2019	Head	D1900V2 SN:5d163	10/16/2019	4.170	41.70	42.19	-1.16	2.140	21.40	21.73	-1.52	
B	8/12/2019	Body	D1900V2 SN:5d163	10/16/2019	4.350	43.50	42.59	2.14	2.250	22.50	22.17	1.49	
B	8/15/2019	Head	D1750V2 SN:1077	10/16/2019	3.650	36.50	38.69	-5.66	1.940	19.40	20.46	-5.18	11,12
B	8/15/2019	Body	D1750V2 SN:1077	10/16/2019	3.750	37.50	39.29	-4.56	1.960	19.60	21.05	-6.89	

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	7/6/2019	Body	D1900V2 SN:5d140	4/17/2020	4.060	40.60	40.40	0.50	2.090	20.90	21.30	-1.88	
C	7/6/2019	Head	D1900V2 SN:5d140	4/17/2020	3.760	37.60	39.50	-4.81	1.900	19.00	20.60	-7.77	
C	7/10/2019	Body	D1900V2 SN:5d140	4/17/2020	4.180	41.80	40.40	3.47	2.190	21.90	21.30	2.82	
C	7/10/2019	Head	D1900V2 SN:5d140	4/17/2020	4.210	42.10	39.50	6.58	2.140	21.40	20.60	3.88	
C	7/14/2019	Body	D1900V2 SN:5d140	4/17/2020	3.920	39.20	40.40	-2.97	2.000	20.00	21.30	-6.10	
C	7/14/2019	Head	D1900V2 SN:5d140	4/17/2020	4.120	41.20	39.50	4.30	2.110	21.10	20.60	2.43	
C	7/17/2019	Body	D1900V2 SN:5d140	4/17/2020	4.400	44.00	40.40	8.91	2.280	22.80	21.30	7.04	13,14
C	7/17/2019	Head	D1900V2 SN:5d140	4/17/2020	4.060	40.60	39.50	2.78	2.090	20.90	20.60	1.46	
C	7/21/2019	Body	D1900V2 SN:5d140	4/17/2020	4.330	43.30	40.40	7.18	2.270	22.70	21.30	6.57	
C	7/21/2019	Head	D1900V2 SN:5d140	4/17/2020	4.220	42.20	39.50	6.84	2.170	21.70	20.60	5.34	
C	7/25/2019	Head	D1900V2 SN:5d140	4/17/2020	4.260	42.60	39.50	7.85	2.180	21.80	20.60	5.83	
C	7/25/2019	Body	D1900V2 SN:5d140	4/17/2020	3.980	39.80	40.40	-1.49	2.110	21.10	21.30	-0.94	
C	8/9/2019	Head	D1750V2 SN:1077	10/16/2019	3.620	36.20	38.69	-6.44	1.930	19.30	20.46	-5.67	
C	8/9/2019	Body	D1750V2 SN:1077	10/16/2019	3.740	37.40	39.29	-4.81	2.010	20.10	21.05	-4.51	
C	8/12/2019	Head	D1750V2 SN:1077	10/16/2019	3.590	35.90	38.69	-7.21	1.910	19.10	20.46	-6.65	15,16
C	8/12/2019	Body	D1750V2 SN:1077	10/16/2019	3.800	38.00	39.29	-3.28	2.060	20.60	21.05	-2.14	
D	7/10/2019	Head	D2300V2 SN:1002	3/22/2020	4.950	49.50	48.30	2.48	2.350	23.50	23.30	0.86	
D	7/10/2019	Body	D2300V2 SN:1002	3/22/2020	4.300	43.00	46.80	-8.12	2.060	20.60	22.60	-8.85	17,18
D	7/13/2019	Head	D2600V2 SN:1036	3/22/2020	5.490	54.90	55.90	-1.79	2.460	24.60	24.80	-0.81	
D	7/13/2019	Body	D2600V2 SN:1036	3/22/2020	4.990	49.90	53.90	-7.42	2.330	23.30	23.90	-2.51	19,20
D	7/14/2019	Head	D2300V2 SN:1002	3/22/2020	4.920	49.20	48.30	1.86	2.330	23.30	23.30	0.00	
D	7/14/2019	Body	D2300V2 SN:1002	3/22/2020	4.720	47.20	46.80	0.85	2.270	22.70	22.60	0.44	
D	7/17/2019	Head	D2300V2 SN:1002	3/22/2020	4.940	49.40	48.30	2.28	2.360	23.60	23.30	1.29	
D	7/17/2019	Body	D2300V2 SN:1002	3/22/2020	4.490	44.90	46.80	-4.06	2.210	22.10	22.60	-2.21	
D	7/21/2019	Body	D2300V2 SN:1002	3/22/2020	4.620	46.20	46.80	-1.28	2.200	22.00	22.60	-2.65	
D	7/21/2019	Head	D2300V2 SN:1002	3/22/2020	5.210	52.10	48.30	7.87	2.490	24.90	23.30	6.87	
D	7/21/2019	Head	D1900V2 SN:5d140	4/17/2020	4.100	41.00	39.50	3.80	2.120	21.20	20.60	2.91	21,22
D	7/22/2019	Head	D2600V2 SN:1036	3/22/2020	5.600	56.00	55.90	0.18	2.520	25.20	24.80	1.61	
D	7/24/2019	Body	D2600V2 SN:1036	3/22/2020	5.370	53.70	53.90	-0.37	2.410	24.10	23.90	0.84	
D	7/24/2019	Head	D2600V2 SN:1036	3/22/2020	5.660	56.60	55.90	1.25	2.550	25.50	24.80	2.82	
D	7/25/2019	Body	D2300V2 SN:1002	3/22/2020	4.450	44.50	46.80	-4.91	2.170	21.70	22.60	-3.98	
D	7/26/2019	Head	D2300V2 SN:1002	3/22/2020	5.080	50.80	48.30	5.18	2.430	24.30	23.30	4.29	
D	7/29/2019	Head	D2600V2 SN:1036	3/22/2020	5.650	56.50	55.90	1.07	2.530	25.30	24.80	2.02	
D	7/29/2019	Body	D2600V2 SN:1036	3/22/2020	5.090	50.90	53.90	-5.57	2.280	22.80	23.90	-4.60	
D	8/6/2019	Head	D2600V2 SN:1006	10/16/2019	5.710	57.10	59.31	-3.73	2.570	25.70	26.43	-2.76	
D	8/6/2019	Body	D2600V2 SN:1006	10/16/2019	5.370	53.70	58.52	-8.24	2.410	24.10	26.15	-7.84	23,24
D	8/9/2019	Head	D2300V2 SN:1002	3/22/2020	4.830	48.30	48.30	0.00	2.310	23.10	23.30	-0.86	
D	8/9/2019	Body	D2300V2 SN:1002	3/22/2020	4.710	47.10	46.80	0.64	2.210	22.10	22.60	-2.21	
D	8/13/2019	Head	D2300V2 SN:1002	3/22/2020	5.000	50.00	48.30	3.52	2.400	24.00	23.30	3.00	
D	8/13/2019	Body	D2300V2 SN:1002	3/22/2020	4.550	45.50	46.80	-2.78	2.180	21.80	22.60	-3.54	

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	7/2/2019	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/30/2019	7.770	77.70	80.80	-3.84	2.220	22.20	23.00	-3.48	
E	7/2/2019	Body	D5GHzV2 SN:1168 (5.75 GHz)	11/30/2019	7.360	73.60	70.70	4.10	2.050	20.50	19.70	4.06	
E	7/6/2019	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/30/2019	7.540	75.40	80.80	-6.68	2.160	21.60	23.00	-6.09	
E	7/6/2019	Body	D5GHzV2 SN:1168 (5.75 GHz)	11/30/2019	7.490	74.90	70.70	5.94	2.090	20.90	19.70	6.09	
E	7/9/2019	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/30/2019	7.350	73.50	80.80	-9.03	2.100	21.00	23.00	-8.70	25,26
E	7/9/2019	Body	D5GHzV2 SN:1168 (5.75 GHz)	11/30/2019	7.110	71.10	70.70	0.57	1.980	19.80	19.70	0.51	
E	7/10/2019	Body	D2450V2 SN:899	3/22/2020	5.350	53.50	50.00	7.00	2.520	25.20	23.50	7.23	27,28
E	7/13/2019	Body	D2600V2 SN:1036	3/22/2020	5.650	56.50	53.90	4.82	2.490	24.90	23.90	4.18	
E	7/17/2019	Body	D2600V2 SN:1036	3/22/2020	5.700	57.00	53.90	5.75	2.510	25.10	23.90	5.02	
E	7/21/2019	Body	D2600V2 SN:1036	3/22/2020	5.770	57.70	53.90	7.05	2.540	25.40	23.90	6.28	29,30
E	7/30/2019	Body	D2600V2 SN:1036	3/22/2020	5.660	56.60	53.90	5.01	2.530	25.30	23.90	5.86	
E	8/16/2019	Body	D3500V2 SN:1011	5/13/2020	6.190	61.90	66.00	-6.21	2.300	23.00	24.40	-5.74	31,32
E	8/16/2019	Body	D3700V2 SN:1039	6/12/2020	5.980	59.80	62.90	-4.93	2.150	21.50	22.50	-4.44	33,34
F	7/5/2019	Body	D2450V2 SN:899	3/22/2020	4.870	48.70	50.00	-2.60	2.240	22.40	23.50	-4.68	
F	7/5/2019	Head	D2450V2 SN:899	3/22/2020	5.260	52.60	51.60	1.94	2.390	23.90	24.10	-0.83	
F	7/9/2019	Head	D2450V2 SN:899	3/22/2020	4.960	49.60	51.60	-3.88	2.260	22.60	24.10	-6.22	
F	7/9/2019	Body	D2450V2 SN:899	3/22/2020	5.340	53.40	50.00	6.80	2.440	24.40	23.50	3.83	
F	7/13/2019	Body	D2450V2 SN:899	3/22/2020	5.360	53.60	50.00	7.20	2.460	24.60	23.50	4.68	35,36
F	7/13/2019	Head	D2450V2 SN:899	3/22/2020	5.010	50.10	51.60	-2.91	2.280	22.80	24.10	-5.39	
F	7/17/2019	Head	D2450V2 SN:899	3/22/2020	5.110	51.10	51.60	-0.97	2.310	23.10	24.10	-4.15	
F	7/17/2019	Body	D2450V2 SN:899	3/22/2020	4.970	49.70	50.00	-0.60	2.280	22.80	23.50	-2.98	
F	7/23/2019	Head	D5GHzV2 SN:1168 (5.25 GHz)	11/30/2019	8.820	88.20	81.70	7.96	2.540	25.40	23.40	8.55	
F	7/23/2019	Head	D5GHzV2 SN:1168 (5.60 GHz)	11/30/2019	9.400	94.00	87.00	8.05	2.670	26.70	24.70	8.10	37,38
F	7/23/2019	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/30/2019	7.720	77.20	80.80	-4.46	2.220	22.20	23.00	-3.48	
F	7/30/2019	Body	D2600V2 SN:1036	3/22/2020	5.580	55.80	53.90	3.53	2.390	23.90	23.90	0.00	39,40
F	8/9/2019	Head	D2300V2 SN:1002	3/22/2020	5.030	50.30	48.30	4.14	2.390	23.90	23.30	2.58	41,42
F	8/9/2019	Body	D2300V2 SN:1002	3/22/2020	4.780	47.80	46.80	2.14	2.270	22.70	22.60	0.44	
F	8/9/2019	Head	D3700V2 SN:1039	6/12/2020	6.850	68.50	66.50	3.01	2.530	25.30	24.20	4.55	
F	8/9/2019	Body	D3700V2 SN:1039	6/12/2020	6.580	65.80	62.90	4.61	2.390	23.90	22.50	6.22	
F	8/12/2019	Head	D2450V2 SN:899	3/22/2020	5.420	54.20	51.60	5.04	2.500	25.00	24.10	3.73	
F	8/12/2019	Body	D2450V2 SN:899	3/22/2020	5.150	51.50	50.00	3.00	2.350	23.50	23.50	0.00	
F	8/13/2019	Head	D3700V2 SN:1039	6/12/2020	7.040	70.40	66.50	5.86	2.610	26.10	24.20	7.85	43,44
F	8/13/2019	Body	D3700V2 SN:1039	6/12/2020	6.490	64.90	62.90	3.18	2.340	23.40	22.50	4.00	
F	8/17/2019	Body	D2600V2 SN:1006	10/16/2019	5.720	57.20	58.52	-2.26	2.510	25.10	26.15	-4.02	45,46
F	8/17/2019	Head	D2600V2 SN:1006	10/16/2019	5.840	58.40	59.31	-1.53	2.610	26.10	26.43	-1.25	

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	7/5/2019	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/19/2020	7.340	73.40	80.80	-9.16	2.100	21.00	23.30	-9.87	47,48
G	7/5/2019	Body	D5GHzV2 SN:1003 (5.25 GHz)	2/19/2020	6.830	68.30	74.40	-8.20	1.930	19.30	20.80	-7.21	
G	7/9/2019	Head	D5GHzV2 SN:1168 (5.25 GHz)	11/30/2019	8.290	82.90	81.70	1.47	2.380	23.80	23.40	1.71	
G	7/9/2019	Body	D5GHzV2 SN:1168 (5.25 GHz)	11/30/2019	7.120	71.20	71.20	0.00	2.020	20.20	19.90	1.51	
G	7/11/2019	Body	D2450V2 SN:899	3/22/2020	4.950	49.50	50.00	-1.00	2.280	22.80	23.50	-2.98	49,50
G	7/15/2019	Body	D5GHzV2 SN:1003 (5.60 GHz)	2/19/2020	8.620	86.20	79.30	8.70	2.410	24.10	22.30	8.07	
G	7/17/2019	Body	D2600V2 SN:1036	3/22/2020	5.480	54.80	53.90	1.67	2.420	24.20	23.90	1.26	
G	7/18/2019	Head	D5GHzV2 SN:1168 (5.60 GHz)	11/30/2019	8.560	85.60	87.00	-1.61	2.430	24.30	24.70	-1.62	
G	7/18/2019	Head	D5GHzV2 SN:1168 (5.25 GHz)	11/30/2019	7.690	76.90	81.70	-5.88	2.220	22.20	23.40	-5.13	
G	7/18/2019	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/30/2019	7.570	75.70	80.80	-6.31	2.180	21.80	23.00	-5.22	51,52
G	7/21/2019	Body	D2600V2 SN:1036	3/22/2020	5.550	55.50	53.90	2.97	2.430	24.30	23.90	1.67	
G	7/25/2019	Body	D2600V2 SN:1036	3/22/2020	5.510	55.10	53.90	2.23	2.410	24.10	23.90	0.84	
G	8/13/2019	Head	D2600V2 SN:1036	3/22/2020	5.220	52.20	55.90	-6.62	2.330	23.30	24.80	-6.05	53,54
G	8/13/2019	Body	D2600V2 SN:1036	3/22/2020	5.420	54.20	53.90	0.56	2.380	23.80	23.90	-0.42	
H	7/5/2019	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/19/2020	8.870	88.70	82.70	7.26	2.500	25.00	23.80	5.04	55,56
H	7/5/2019	Body	D5GHzV2 SN:1003 (5.60 GHz)	2/19/2020	8.440	84.40	79.30	6.43	2.370	23.70	22.30	6.28	
H	7/9/2019	Head	D5GHzV2 SN:1168 (5.60 GHz)	11/30/2019	8.160	81.60	87.00	-6.21	2.300	23.00	24.70	-6.88	57,58
H	7/9/2019	Body	D5GHzV2 SN:1168 (5.60 GHz)	11/30/2019	7.580	75.80	76.20	-0.52	2.130	21.30	21.20	0.47	
H	7/13/2019	Head	D2450V2 SN:899	3/22/2020	5.470	54.70	51.60	6.01	2.520	25.20	24.10	4.56	59,60
H	7/16/2019	Head	D2600V2 SN:1036	3/22/2020	6.040	60.40	55.90	8.05	2.690	26.90	24.80	8.47	61,62
H	7/20/2019	Head	D2600V2 SN:1036	3/22/2020	5.380	53.80	55.90	-3.76	2.390	23.90	24.80	-3.63	
H	7/24/2019	Head	D2600V2 SN:1036	3/22/2020	6.030	60.30	55.90	7.87	2.680	26.80	24.80	8.06	
H	7/31/2019	Head	D2600V2 SN:1036	3/22/2020	5.370	53.70	55.90	-3.94	2.400	24.00	24.80	-3.23	
H	8/14/2019	Head	D3500V2 SN:1011	5/13/2020	6.830	68.30	64.50	5.89	2.620	26.20	24.30	7.82	
H	8/14/2019	Body	D3500V2 SN:1011	5/13/2020	7.000	70.00	66.00	6.06	2.590	25.90	24.40	6.15	63,64
H	8/14/2019	Head	D3700V2 SN:1039	6/12/2020	6.690	66.90	66.50	0.60	2.470	24.70	24.20	2.07	
H	8/14/2019	Body	D3700V2 SN:1039	6/12/2020	6.570	65.70	62.90	4.45	2.400	24.00	22.50	6.67	65,66
H	8/16/2019	Body	D3500V2 SN:1011	5/13/2020	6.480	64.80	66.00	-1.82	2.410	24.10	24.40	-1.23	
H	8/16/2019	Body	D3700V2 SN:1039	6/12/2020	6.370	63.70	62.90	1.27	2.290	22.90	22.50	1.78	
H	8/16/2019	Head	D3500V2 SN:1011	5/13/2020	6.430	64.30	64.50	-0.31	2.470	24.70	24.30	1.65	
H	8/16/2019	Head	D3700V2 SN:1039	6/12/2020	6.670	66.70	66.50	0.30	2.480	24.80	24.20	2.48	

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 %	
6	7/10/2019	Head	D3500V2 SN:1011	5/13/2020	6.460	64.60	64.50	0.16	2.460	24.60	24.30	1.23	
6	7/10/2019	Body	D3500V2 SN:1011	5/13/2020	6.090	60.90	66.00	-7.73	2.210	22.10	24.40	-9.43	
6	7/10/2019	Head	D3700V2 SN:1039	6/12/2020	6.430	64.30	66.50	-3.31	2.390	23.90	24.20	-1.24	
6	7/10/2019	Body	D3700V2 SN:1039	6/12/2020	6.020	60.20	62.90	-4.29	2.120	21.20	22.50	-5.78	
6	7/14/2019	Head	D3500V2 SN:1011	5/13/2020	6.000	60.00	64.50	-6.98	2.290	22.90	24.30	-5.76	
6	7/14/2019	Body	D3500V2 SN:1011	5/13/2020	6.120	61.20	66.00	-7.27	2.220	22.20	24.40	-9.02	67,68
6	7/14/2019	Head	D3700V2 SN:1039	6/12/2020	6.470	64.70	66.50	-2.71	2.390	23.90	24.20	-1.24	
6	7/14/2019	Body	D3700V2 SN:1039	6/12/2020	6.600	66.00	62.90	4.93	2.300	23.00	22.50	2.22	
6	7/17/2019	Head	D3500V2 SN:1011	5/13/2020	6.360	63.60	64.50	-1.40	2.420	24.20	24.30	-0.41	
6	7/17/2019	Body	D3500V2 SN:1011	5/13/2020	6.340	63.40	66.00	-3.94	2.360	23.60	24.40	-3.28	
6	7/17/2019	Head	D3700V2 SN:1039	6/12/2020	6.490	64.90	66.50	-2.41	2.410	24.10	24.20	-0.41	
6	7/17/2019	Body	D3700V2 SN:1039	6/12/2020	6.090	60.90	62.90	-3.18	2.230	22.30	22.50	-0.89	
6	7/21/2019	Head	D1900V2 SN:5d043	11/29/2019	4.390	43.90	41.80	5.02	2.250	22.50	21.69	3.73	69,70
6	7/22/2019	Head	D750V3 SN:1071	11/28/2019	0.844	8.44	8.32	1.44	0.550	5.50	5.45	0.92	71,72
6	7/26/2019	Body	D3700V2 SN:1039	6/12/2020	5.800	58.00	62.90	-7.79	2.030	20.30	22.50	-9.78	73,74
6	7/26/2019	Body	D3500V2 SN:1011	5/13/2020	6.430	64.30	66.00	-2.58	2.410	24.10	24.40	-1.23	
7	7/1/2019	Body	D835V2 SN:4d002	11/28/2019	0.976	9.76	10.07	-3.08	0.631	6.31	6.56	-3.81	
7	7/5/2019	Head	D835V2 SN:4d117	5/15/2020	0.956	9.56	9.50	0.63	0.621	6.21	6.17	0.65	
7	7/5/2019	Body	D835V2 SN:4d117	5/15/2020	0.992	9.92	9.68	2.48	0.641	6.41	6.32	1.42	
7	7/9/2019	Head	D835V2 SN:4d117	5/15/2020	1.040	10.40	9.50	9.47	0.676	6.76	6.17	9.56	75,76
7	7/9/2019	Body	D835V2 SN:4d117	5/15/2020	0.930	9.30	9.68	-3.93	0.602	6.02	6.32	-4.75	
7	7/13/2019	Head	D835V2 SN:4d002	11/28/2019	0.957	9.57	9.87	-3.04	0.618	6.18	6.36	-2.83	
7	7/13/2019	Body	D835V2 SN:4d002	11/28/2019	0.926	9.26	10.07	-8.04	0.597	5.97	6.56	-8.99	77,78
7	7/17/2019	Body	D2600V2 SN:1006	10/16/2019	5.710	57.10	58.52	-2.43	2.480	24.80	26.15	-5.16	79,80
7	7/18/2019	Body	D1900V2 SN:5d043	11/29/2019	4.120	41.20	40.20	2.49	2.130	21.30	20.82	2.31	81,82
7	7/21/2019	Body	D2600V2 SN:1006	10/16/2019	5.730	57.30	58.52	-2.08	2.490	24.90	26.15	-4.78	
7	7/23/2019	Body	D835V2 SN:4d117	5/15/2020	1.000	10.00	9.68	3.31	0.644	6.44	6.32	1.90	83,84
7	7/23/2019	Head	D2600V2 SN:1006	10/16/2019	6.000	60.00	59.31	1.16	2.690	26.90	26.43	1.78	
7	7/29/2019	Body	D835V2 SN:4d002	11/28/2019	1.020	10.20	10.07	1.29	0.655	6.55	6.56	-0.15	
8	7/17/2019	Head	D2300V2 SN:1058	10/2/2019	4.820	48.20	51.75	-6.86	2.280	22.80	24.52	-7.01	85,86
8	7/19/2019	Head	D2600V2 SN:1006	10/16/2019	5.840	58.40	59.31	-1.53	2.600	26.00	26.43	-1.63	87,88
8	7/22/2019	Head	D835V2 SN:4d117	5/15/2020	0.987	9.87	9.50	3.89	0.644	6.44	6.17	4.38	89,90
9	7/2/2019	Head	D750V3 SN:1019	3/21/2020	0.815	8.15	8.29	-1.69	0.538	5.38	5.44	-1.10	
9	7/2/2019	Body	D750V3 SN:1019	3/21/2020	0.892	8.92	8.47	5.31	0.594	5.94	5.59	6.26	91,92
9	7/6/2019	Head	D750V3 SN:1071	11/28/2019	0.799	7.99	8.32	-3.97	0.524	5.24	5.45	-3.85	
9	7/6/2019	Body	D750V3 SN:1071	11/28/2019	0.891	8.91	8.63	3.24	0.593	5.93	5.65	4.96	
9	7/10/2019	Head	D750V3 SN:1071	11/28/2019	0.785	7.85	8.32	-5.65	0.515	5.15	5.45	-5.50	93,94
9	7/10/2019	Body	D750V3 SN:1071	11/28/2019	0.898	8.98	8.63	4.06	0.597	5.97	5.65	5.66	
9	7/13/2019	Head	D1750V2 SN:1077	10/16/2019	3.560	35.60	38.69	-7.99	1.880	18.80	20.46	-8.11	95,96
9	7/14/2019	Head	D2600V2 SN:1006	10/16/2019	5.610	56.10	59.31	-5.41	2.510	25.10	26.43	-5.03	97,98
9	7/18/2019	Head	D2600V2 SN:1036	3/22/2020	6.070	60.70	55.90	8.59	2.710	27.10	24.80	9.27	99,100
9	7/21/2019	Head	D1900V2 SN:5d043	11/29/2019	4.130	41.30	41.80	-1.20	2.130	21.30	21.69	-1.80	101,102
9	7/22/2019	Body	D750V3 SN:1071	11/28/2019	0.910	9.10	8.63	5.45	0.607	6.07	5.65	7.43	

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 ANT1, ANT2, ANT3, ANT4, ANT5, and ANT6 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 ≤ 1/4dB higher than GPRS/EDGE (GMSK) or the adjusted SAR of the highest reported SAR of GPRS/EDGE (GMSK) is ≤ 1.2W/kg.

RF Air interface	Mode	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)	33.25	33.25	31.75	31.75				
	GPRS 2 slots	32.25	32.25	30.75	30.75				
	EGPRS 1 slot	27.75	27.75	25.75	25.75				
	EGPRS 2 slots	26.75	26.75	24.75	24.75				
GSM1900	Voice/GPRS (1 slot)	31.75	30.25	29.25	28.25	32.00	29.50	26.75	28.00
	GPRS 2 slots	30.75	27.25	28.25	25.25	31.00	26.50	24.00	25.00
	EGPRS 1 slot	26.75	26.75	24.25	24.25	27.00	27.00	25.00	25.00
	EGPRS 2 slots	25.75	25.75	23.25	23.25	26.00	26.00	24.00	24.00

GSM850 Measured Results (ANT1)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Mode A				Mode B			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	128	824.2	32.25	23.19	33.25	24.22	32.22	23.19	33.25	24.22
			190	836.6	32.25	23.22			32.15	23.12		
			251	848.8	32.25	23.20			32.23	23.20		
		2	128	824.2	32.05	26.03	32.25	**26.23**	32.05	26.03	32.25	**26.23**
			190	836.6	32.10	26.08			32.10	26.08		
			251	848.8	32.15	26.13			32.15	26.13		
EDGE (8PSK)	MCS5	1	128	824.2	27.42	18.39	27.75	18.72	27.42	18.39	27.75	18.72
			190	836.6	27.44	18.41			27.44	18.41		
			251	848.8	27.39	18.36			27.39	18.36		
		2	128	824.2	26.35	20.33	26.75	20.73	26.35	20.33	26.75	20.73
			190	836.6	26.25	20.23			26.25	20.23		
			251	848.8	26.32	20.30			26.32	20.30		

Notes:

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)	Mode A				Mode B			
					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	31.49	22.46	31.75	22.72	31.49	22.46	31.75	22.72
			190	836.6	31.51	22.48			31.51	22.48		
			251	848.8	31.59	22.56			31.59	22.56		
		2	128	824.2	30.32	24.30	30.75	**24.73**	30.32	24.30	30.75	**24.73**
			190	836.6	30.38	24.36			30.38	24.36		
			251	848.8	30.40	24.38			30.40	24.38		
EDGE (8PSK)	MCS5	1	128	824.2	25.49	16.46	25.75	16.72	25.49	16.46	25.75	16.72
			190	836.6	25.53	16.50			25.53	16.50		
			251	848.8	25.56	16.53			25.56	16.53		
		2	128	824.2	24.52	18.50	24.75	18.73	24.52	18.50	24.75	18.73
			190	836.6	24.53	18.51			24.53	18.51		
			251	848.8	24.54	18.52			24.54	18.52		

Notes:

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

GSM1900 Measured Results (ANT1)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	512	1850.2	30.84	21.81	31.75	22.72	30.10	21.07	30.25	21.22
			661	1880.0	30.83	21.80			30.15	21.12		
			810	1909.8	30.80	21.77			30.23	21.20		
		2	512	1850.2	30.43	24.41	30.75	**24.73**	27.10	21.08	27.25	**21.23**
			661	1880.0	30.37	24.35			27.23	21.21		
			810	1909.8	30.25	24.23			26.97	20.95		
EDGE (8PSK)	MCS5	1	512	1850.2	26.15	17.12	26.75	17.72	26.15	17.12	26.75	17.72
			661	1880.0	26.02	16.99			26.02	16.99		
			810	1909.8	25.94	16.91			25.94	16.91		
		2	512	1850.2	25.54	19.52	25.75	19.73	25.54	19.52	25.75	19.73
			661	1880.0	25.29	19.27			25.29	19.27		
			810	1909.8	25.33	19.31			25.33	19.31		

Notes:

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	29.16	20.13	29.25	20.22	28.25	19.22	28.25	19.22
			661	1880.0	29.10	20.07			28.23	19.20		
			810	1909.8	28.94	19.91			28.08	19.05		
		2	512	1850.2	28.15	22.13	28.25	**22.23**	25.22	19.20	25.25	**19.23**
			661	1880.0	28.11	22.09			25.21	19.19		
			810	1909.8	27.94	21.92			25.20	19.18		
EDGE (8PSK)	MCS5	1	512	1850.2	24.20	15.17	24.25	15.22	24.20	15.17	24.25	15.22
			661	1880.0	24.13	15.10			24.13	15.10		
			810	1909.8	24.00	14.97			24.00	14.97		
		2	512	1850.2	23.22	17.20	23.25	17.23	23.22	17.20	23.25	17.23
			661	1880.0	23.23	17.21			23.23	17.21		
			810	1909.8	23.02	17.00			23.02	17.00		

Notes:

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	31.25	22.22	32.00	22.97	28.75	19.72	29.50	20.47
			661	1880.0	31.18	22.15			28.68	19.65		
			810	1909.8	31.01	21.98			28.59	19.56		
		2	512	1850.2	30.50	24.48	31.00	**24.98**	26.00	19.98	26.50	**20.48**
			661	1880.0	30.50	24.48			26.00	19.98		
			810	1909.8	30.50	24.48			26.10	20.08		
EDGE (8PSK)	MCS5	1	512	1850.2	26.18	17.15	27.00	17.97	26.18	17.15	27.00	17.97
			661	1880.0	26.20	17.17			26.20	17.17		
			810	1909.8	26.29	17.26			26.29	17.26		
		2	512	1850.2	25.15	19.13	26.00	19.98	25.15	19.13	26.00	19.98
			661	1880.0	25.07	19.05			25.07	19.05		
			810	1909.8	25.29	19.27			25.29	19.27		

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	26.20	17.17	27.00	17.97	27.70	18.67	28.00	18.97
			661	1880.0	26.18	17.15			27.68	18.65		
			810	1909.8	26.16	17.13			27.66	18.63		
		2	512	1850.2	23.75	17.73	24.00	**17.98**	24.60	18.58	25.00	**18.98**
			661	1880.0	23.75	17.73			24.80	18.78		
			810	1909.8	23.75	17.73			24.80	18.78		
EDGE (8PSK)	MCS5	1	512	1850.2	24.25	15.22	25.00	15.97	24.25	15.22	25.00	15.97
			661	1880.0	24.10	15.07			24.10	15.07		
			810	1909.8	24.00	14.97			24.00	14.97		
		2	512	1850.2	23.07	17.05	24.00	17.98	23.07	17.05	24.00	17.98
			661	1880.0	23.09	17.07			23.09	17.07		
			810	1909.8	23.10	17.08			23.10	17.08		

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 is illustrated below:

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

HSDPA Setup Procedures used to establish the test signals

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

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

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

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

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

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

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

HSUPA Setup Procedures used to establish the test signals

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

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

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

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

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

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

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

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

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

DC-HSDPA Setup Procedures used to establish the test signals

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

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

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

HSPA+ Setup Procedures used to establish the test signals

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

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

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

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

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 ≤ ¼ 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	21.25	22.00	19.25	25.00	20.50	17.75	19.00
	HSDPA	25.70	21.25	22.00	19.25	25.00	20.50	17.75	19.00
	HSUPA	25.70	21.25	22.00	19.25	25.00	20.50	17.75	19.00
	DC-HSDPA	25.70	21.25	22.00	19.25	25.00	20.50	17.75	19.00
	HSPA+	25.70	21.25	22.00	19.25	25.00	20.50	17.75	19.00
W-CDMA Band 4	R99	25.70	17.50	22.00	19.50	25.00	21.00	21.25	21.50
	HSDPA	25.70	17.50	22.00	19.50	25.00	21.00	21.25	21.50
	HSUPA	25.70	17.50	22.00	19.50	25.00	21.00	21.25	21.50
	DC-HSDPA	25.70	17.50	22.00	19.50	25.00	21.00	21.25	21.50
	HSPA+	25.70	17.50	22.00	19.50	25.00	21.00	21.25	21.50
W-CDMA Band 5	R99	25.70	25.70	24.50	24.50				
	HSDPA	25.70	25.70	24.50	24.50				
	HSUPA	25.70	25.70	24.50	24.50				
	DC-HSDPA	25.70	25.70	24.50	24.50				
	HSPA+	25.70	25.70	24.50	24.50				

W-CDMA Band II Measured Results (ANT1)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	25.25	N/A	25.70	21.23	N/A	21.25
		9400	1880.0	25.25			21.16		
		9538	1907.6	25.22			21.25		
HSDPA	Subtest 1	9262	1852.4	25.20	0	25.70	21.19	0	21.25
		9400	1880.0	25.14			21.18		
		9538	1907.6	25.29			21.22		
	Subtest 2	9262	1852.4	24.95	0	25.70	21.17	0	21.25
		9400	1880.0	24.89			21.18		
		9538	1907.6	24.96			21.19		
	Subtest 3	9262	1852.4	24.67	0.5	25.20	20.66	0.5	20.75
		9400	1880.0	24.58			20.67		
		9538	1907.6	24.70			20.64		
	Subtest 4	9262	1852.4	24.40	0.5	25.20	20.67	0.5	20.75
		9400	1880.0	24.35			20.68		
		9538	1907.6	24.43			20.65		
HSUPA	Subtest 1	9262	1852.4	25.20	0	25.70	20.95	0	21.25
		9400	1880.0	25.14			20.95		
		9538	1907.6	25.29			21.02		
	Subtest 2	9262	1852.4	23.39	2	23.70	19.09	2	19.25
		9400	1880.0	23.34			18.99		
		9538	1907.6	23.41			19.02		
	Subtest 3	9262	1852.4	24.68	1	24.70	20.22	1	20.25
		9400	1880.0	24.66			20.19		
		9538	1907.6	24.68			20.17		
	Subtest 4	9262	1852.4	23.11	2	23.70	19.03	2	19.25
		9400	1880.0	23.08			19.05		
		9538	1907.6	23.13			19.02		
	Subtest 5	9262	1852.4	25.46	0	25.70	21.22	0	21.25
		9400	1880.0	25.39			21.18		
		9538	1907.6	25.40			21.22		
DC-HSDPA	Subtest 1	9262	1852.4	25.20	0	25.70	21.17	0	21.25
		9400	1880.0	25.15			21.14		
		9538	1907.6	25.31			21.23		
	Subtest 2	9262	1852.4	24.79	0	25.70	20.91	0	21.25
		9400	1880.0	24.74			20.86		
		9538	1907.6	24.86			20.90		
	Subtest 3	9262	1852.4	24.46	0.5	25.20	20.63	0.5	20.75
		9400	1880.0	24.39			20.57		
		9538	1907.6	24.50			20.65		
	Subtest 4	9262	1852.4	25.19	0.5	25.20	20.68	0.5	20.75
		9400	1880.0	25.14			20.51		
		9538	1907.6	25.20			20.49		
HSPA+	Subtest 1	9262	1852.4	22.75	2.5	23.20	18.73	2.5	18.75
		9400	1880.0	22.62			18.66		
		9538	1907.6	22.72			18.75		

W-CDMA Band II 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	22.00	N/A	22.00	19.13	N/A	19.25
		9400	1880.0	22.00			19.14		
		9538	1907.6	22.00			19.04		
HSDPA	Subtest 1	9262	1852.4	22.00	0.00	22.00	19.07	0.00	19.25
		9400	1880.0	22.00			19.10		
		9538	1907.6	22.00			19.06		
	Subtest 2	9262	1852.4	21.97	0.00	22.00	18.97	0.00	19.25
		9400	1880.0	22.00			19.04		
		9538	1907.6	21.96			18.93		
	Subtest 3	9262	1852.4	21.50	0.50	21.50	18.47	0.50	18.75
		9400	1880.0	21.50			18.55		
		9538	1907.6	21.45			18.43		
	Subtest 4	9262	1852.4	21.50	0.50	21.50	18.45	0.50	18.75
		9400	1880.0	21.50			18.55		
		9538	1907.6	21.43			18.43		
HSUPA	Subtest 1	9262	1852.4	21.76	0.00	22.00	18.98	0.00	19.25
		9400	1880.0	21.60			19.08		
		9538	1907.6	21.53			18.98		
	Subtest 2	9262	1852.4	20.00	2.00	20.00	16.89	2.00	17.25
		9400	1880.0	20.00			17.25		
		9538	1907.6	19.96			17.21		
	Subtest 3	9262	1852.4	20.96	1.00	21.00	17.92	1.00	18.25
		9400	1880.0	21.00			18.07		
		9538	1907.6	20.95			17.91		
	Subtest 4	9262	1852.4	20.00	2.00	20.00	16.68	2.00	17.25
		9400	1880.0	20.00			17.03		
		9538	1907.6	20.00			16.88		
	Subtest 5	9262	1852.4	21.98	0.00	22.00	19.00	0.00	19.25
		9400	1880.0	22.00			19.09		
		9538	1907.6	21.93			18.95		
DC-HSDPA	Subtest 1	9262	1852.4	22.00	0.00	22.00	19.03	0.00	19.25
		9400	1880.0	22.00			19.06		
		9538	1907.6	21.98			18.98		
	Subtest 2	9262	1852.4	22.00	0.00	22.00	19.00	0.00	19.25
		9400	1880.0	22.00			19.09		
		9538	1907.6	21.96			18.95		
	Subtest 3	9262	1852.4	21.50	0.50	21.50	18.69	0.50	18.75
		9400	1880.0	21.50			18.75		
		9538	1907.6	21.50			18.73		
	Subtest 4	9262	1852.4	21.50	0.50	21.50	18.71	0.50	18.75
		9400	1880.0	21.50			18.75		
		9538	1907.6	21.44			18.69		
HSPA+	Subtest 1	9262	1852.4	19.50	2.50	19.50	16.63	2.50	16.75
		9400	1880.0	19.50			16.64		
		9538	1907.6	19.50			16.54		

W-CDMA Band II 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	24.67	N/A	25.00	20.50	N/A	20.50
		9400	1880.0	24.69			20.50		
		9538	1907.6	24.53			20.50		
HSDPA	Subtest 1	9262	1852.4	24.60	0	25.00	20.50	0	20.50
		9400	1880.0	24.61			20.50		
		9538	1907.6	24.51			20.47		
	Subtest 2	9262	1852.4	24.46	0	25.00	20.50	0	20.50
		9400	1880.0	24.58			20.50		
		9538	1907.6	24.32			20.50		
	Subtest 3	9262	1852.4	24.39	0.5	24.50	19.91	0.5	20.00
		9400	1880.0	24.26			20.00		
		9538	1907.6	24.10			20.00		
	Subtest 4	9262	1852.4	23.92	0.5	24.50	20.00	0.5	20.00
		9400	1880.0	24.08			19.97		
		9538	1907.6	24.50			19.92		
HSUPA	Subtest 1	9262	1852.4	24.64	0	25.00	20.50	0	20.50
		9400	1880.0	24.36			20.50		
		9538	1907.6	24.27			20.48		
	Subtest 2	9262	1852.4	22.34	2	23.00	18.50	2	18.50
		9400	1880.0	22.31			18.50		
		9538	1907.6	22.20			18.50		
	Subtest 3	9262	1852.4	23.37	1	24.00	19.50	1	19.50
		9400	1880.0	23.26			19.50		
		9538	1907.6	23.16			19.41		
	Subtest 4	9262	1852.4	22.57	2	23.00	18.50	2	18.50
		9400	1880.0	22.56			18.50		
		9538	1907.6	22.43			18.41		
	Subtest 5	9262	1852.4	24.40	0	25.00	20.50	0	20.50
		9400	1880.0	24.33			20.50		
		9538	1907.6	24.24			20.44		
DC-HSDPA	Subtest 1	9262	1852.4	24.40	0	25.00	20.50	0	20.50
		9400	1880.0	24.40			20.50		
		9538	1907.6	24.28			20.50		
	Subtest 2	9262	1852.4	24.40	0	25.00	20.50	0	20.50
		9400	1880.0	24.39			20.50		
		9538	1907.6	24.25			20.50		
	Subtest 3	9262	1852.4	24.14	0.5	24.50	20.00	0.5	20.00
		9400	1880.0	24.09			20.00		
		9538	1907.6	24.00			20.00		
	Subtest 4	9262	1852.4	23.84	0.5	24.50	20.00	0.5	20.00
		9400	1880.0	23.83			20.00		
		9538	1907.6	23.69			20.00		
HSPA+	Subtest 1	9262	1852.4	22.17	2.5	22.50	18.00	2.5	18.00
		9400	1880.0	22.19			18.00		
		9538	1907.6	22.03			18.00		

W-CDMA Band II Measured Results (ANT4)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	17.75	N/A	17.75	18.80	N/A	19.00
		9400	1880.0	17.75			18.75		
		9538	1907.6	17.75			18.70		
HSDPA	Subtest 1	9262	1852.4	17.10	0	17.75	18.83	0	19.00
		9400	1880.0	17.15			18.99		
		9538	1907.6	17.20			18.93		
	Subtest 2	9262	1852.4	17.07	0	17.75	18.73	0	19.00
		9400	1880.0	17.21			19.00		
		9538	1907.6	17.16			18.75		
	Subtest 3	9262	1852.4	17.17	0.5	17.25	18.23	0.5	18.50
		9400	1880.0	17.22			18.42		
		9538	1907.6	17.14			18.37		
	Subtest 4	9262	1852.4	17.13	0.5	17.25	18.50	0.5	18.50
		9400	1880.0	17.12			18.10		
		9538	1907.6	17.11			17.90		
HSUPA	Subtest 1	9262	1852.4	17.30	0	17.75	18.94	0	19.00
		9400	1880.0	17.51			18.99		
		9538	1907.6	17.53			18.84		
	Subtest 2	9262	1852.4	15.75	2	15.75	16.75	2	17.00
		9400	1880.0	15.64			16.94		
		9538	1907.6	15.53			16.73		
	Subtest 3	9262	1852.4	16.75	1	16.75	17.89	1	18.00
		9400	1880.0	16.09			17.94		
		9538	1907.6	16.31			17.84		
	Subtest 4	9262	1852.4	15.75	2	15.75	17.00	2	17.00
		9400	1880.0	15.15			16.84		
		9538	1907.6	15.64			16.80		
	Subtest 5	9262	1852.4	17.75	0	17.75	19.00	0	19.00
		9400	1880.0	17.51			18.76		
		9538	1907.6	17.30			18.95		
DC-HSDPA	Subtest 1	9262	1852.4	17.10	0	17.75	18.73	0	19.00
		9400	1880.0	17.20			18.96		
		9538	1907.6	17.19			18.75		
	Subtest 2	9262	1852.4	17.55	0	17.75	18.96	0	19.00
		9400	1880.0	17.40			18.75		
		9538	1907.6	17.18			19.00		
	Subtest 3	9262	1852.4	17.21	0.5	17.25	18.50	0.5	18.50
		9400	1880.0	17.07			17.74		
		9538	1907.6	16.90			17.62		
	Subtest 4	9262	1852.4	17.11	0.5	17.25	17.73	0.5	18.50
		9400	1880.0	17.25			18.27		
		9538	1907.6	17.18			18.50		
HSPA+	Subtest 1	9262	1852.4	14.95	2.5	15.25	16.50	2.5	16.50
		9400	1880.0	14.65			16.34		
		9538	1907.6	14.80			16.34		

W-CDMA Band IV 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	25.61	N/A	25.70	17.22	N/A	17.50
		1413	1732.6	25.64			17.35		
		1513	1752.6	25.70			17.34		
HSDPA	Subtest 1	1312	1712.4	25.55	0	25.70	17.25	0	17.50
		1413	1732.6	25.67			17.27		
		1513	1752.6	25.66			17.28		
	Subtest 2	1312	1712.4	25.28	0	25.70	17.25	0	17.50
		1413	1732.6	25.41			17.30		
		1513	1752.6	25.45			17.30		
	Subtest 3	1312	1712.4	25.09	0.5	25.20	16.77	0.5	17.00
		1413	1732.6	25.17			16.91		
		1513	1752.6	25.19			16.99		
	Subtest 4	1312	1712.4	24.78	0.5	25.20	16.79	0.5	17.00
		1413	1732.6	24.90			16.90		
		1513	1752.6	24.96			16.97		
HSUPA	Subtest 1	1312	1712.4	25.43	0	25.70	17.35	0	17.50
		1413	1732.6	25.54			17.29		
		1513	1752.6	25.67			17.30		
	Subtest 2	1312	1712.4	22.78	2	23.70	15.24	2	15.50
		1413	1732.6	22.81			15.30		
		1513	1752.6	22.97			15.45		
	Subtest 3	1312	1712.4	24.44	1	24.70	16.31	1	16.50
		1413	1732.6	24.48			16.41		
		1513	1752.6	24.59			16.47		
	Subtest 4	1312	1712.4	23.57	2	23.70	15.28	2	15.50
		1413	1732.6	23.62			15.40		
		1513	1752.6	23.68			15.48		
	Subtest 5	1312	1712.4	25.05	0	25.70	17.26	0	17.50
		1413	1732.6	25.12			17.29		
		1513	1752.6	25.29			17.26		
DC-HSDPA	Subtest 1	1312	1712.4	25.57	0	25.70	17.33	0	17.50
		1413	1732.6	25.63			17.21		
		1513	1752.6	25.68			17.24		
	Subtest 2	1312	1712.4	25.19	0	25.70	17.04	0	17.50
		1413	1732.6	25.27			17.13		
		1513	1752.6	25.33			17.18		
	Subtest 3	1312	1712.4	24.87	0.5	25.20	16.82	0.5	17.00
		1413	1732.6	24.97			16.96		
		1513	1752.6	25.08			16.94		
	Subtest 4	1312	1712.4	25.20	0.5	25.20	16.74	0.5	17.00
		1413	1732.6	25.19			16.77		
		1513	1752.6	25.20			16.89		
HSPA+	Subtest 1	1312	1712.4	23.11	2.5	23.20	14.79	2.5	15.00
		1413	1732.6	23.14			14.92		
		1513	1752.6	23.20			14.91		

W-CDMA Band IV 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	22.00	N/A	22.00	19.20	N/A	19.50
		1413	1732.6	21.81			19.40		
		1513	1752.6	21.89			19.00		
HSDPA	Subtest 1	1312	1712.4	21.96	0.00	22.00	18.92	0.00	19.50
		1413	1732.6	21.80			18.87		
		1513	1752.6	21.85			18.90		
	Subtest 2	1312	1712.4	21.90	0.00	22.00	18.99	0.00	19.50
		1413	1732.6	21.84			18.88		
		1513	1752.6	21.90			18.93		
	Subtest 3	1312	1712.4	21.45	0.50	21.50	18.48	0.50	19.00
		1413	1732.6	21.38			18.40		
		1513	1752.6	21.38			18.45		
	Subtest 4	1312	1712.4	21.44	0.50	21.50	18.47	0.50	19.00
		1413	1732.6	21.37			18.40		
		1513	1752.6	21.43			18.46		
HSUPA	Subtest 1	1312	1712.4	21.94	0.00	22.00	18.92	0.00	19.50
		1413	1732.6	21.70			18.92		
		1513	1752.6	21.67			18.93		
	Subtest 2	1312	1712.4	19.93	2.00	20.00	16.85	2.00	17.50
		1413	1732.6	19.95			16.99		
		1513	1752.6	19.90			16.95		
	Subtest 3	1312	1712.4	20.89	1.00	21.00	17.86	1.00	18.50
		1413	1732.6	20.81			17.85		
		1513	1752.6	20.76			17.82		
	Subtest 4	1312	1712.4	20.00	2.00	20.00	16.98	2.00	17.50
		1413	1732.6	19.93			16.94		
		1513	1752.6	19.95			16.92		
	Subtest 5	1312	1712.4	21.95	0.00	22.00	18.97	0.00	19.50
		1413	1732.6	21.86			18.89		
		1513	1752.6	21.89			18.93		
DC-HSDPA	Subtest 1	1312	1712.4	21.88	0.00	22.00	18.94	0.00	19.50
		1413	1732.6	21.81			18.84		
		1513	1752.6	21.88			18.88		
	Subtest 2	1312	1712.4	21.93	0.00	22.00	19.00	0.00	19.50
		1413	1732.6	21.86			18.88		
		1513	1752.6	21.90			18.91		
	Subtest 3	1312	1712.4	21.44	0.50	21.50	18.49	0.50	19.00
		1413	1732.6	21.37			18.40		
		1513	1752.6	21.37			18.39		
	Subtest 4	1312	1712.4	21.48	0.50	21.50	18.50	0.50	19.00
		1413	1732.6	21.38			18.39		
		1513	1752.6	21.35			18.41		
HSPA+	Subtest 1	1312	1712.4	19.50	2.50	19.50	16.48	2.50	17.00
		1413	1732.6	19.31			16.33		
		1513	1752.6	19.39			16.44		

W-CDMA Band IV Measured Results (ANT3)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	24.87	N/A	25.00	20.66	N/A	21.00
		1413	1732.6	24.89			20.73		
		1513	1752.6	24.89			20.75		
HSDPA	Subtest 1	1312	1712.4	24.88	0	25.00	20.73	0	21.00
		1413	1732.6	24.84			20.74		
		1513	1752.6	24.83			20.73		
	Subtest 2	1312	1712.4	24.59	0	25.00	20.65	0	21.00
		1413	1732.6	24.58			20.67		
		1513	1752.6	24.61			20.69		
	Subtest 3	1312	1712.4	24.34	0.5	24.50	20.19	0.5	20.50
		1413	1732.6	24.35			20.19		
		1513	1752.6	24.38			20.22		
	Subtest 4	1312	1712.4	24.06	0.5	24.50	19.99	0.5	20.50
		1413	1732.6	24.08			20.00		
		1513	1752.6	24.08			19.99		
HSUPA	Subtest 1	1312	1712.4	24.58	0	25.00	20.58	0	21.00
		1413	1732.6	24.49			20.58		
		1513	1752.6	24.50			20.64		
	Subtest 2	1312	1712.4	22.54	2	23.00	18.61	2	19.00
		1413	1732.6	22.59			18.63		
		1513	1752.6	22.62			18.65		
	Subtest 3	1312	1712.4	23.55	1	24.00	19.66	1	20.00
		1413	1732.6	23.51			19.69		
		1513	1752.6	23.58			19.68		
	Subtest 4	1312	1712.4	22.83	2	23.00	18.54	2	19.00
		1413	1732.6	22.84			18.53		
		1513	1752.6	22.88			18.58		
	Subtest 5	1312	1712.4	24.64	0	25.00	20.62	0	21.00
		1413	1732.6	24.62			20.64		
		1513	1752.6	24.68			20.63		
DC-HSDPA	Subtest 1	1312	1712.4	24.87	0	25.00	20.60	0	21.00
		1413	1732.6	24.85			20.58		
		1513	1752.6	24.88			20.56		
	Subtest 2	1312	1712.4	24.60	0	25.00	20.62	0	21.00
		1413	1732.6	24.59			20.61		
		1513	1752.6	24.62			20.63		
	Subtest 3	1312	1712.4	24.33	0.5	24.50	20.13	0.5	20.50
		1413	1732.6	24.33			20.13		
		1513	1752.6	24.35			20.14		
	Subtest 4	1312	1712.4	24.13	0.5	24.50	20.02	0.5	20.50
		1413	1732.6	24.12			20.11		
		1513	1752.6	24.11			20.09		
HSPA+	Subtest 1	1312	1712.4	22.37	2.5	22.50	18.16	2.5	18.50
		1413	1732.6	22.39			18.23		
		1513	1752.6	22.39			18.25		

W-CDMA Band IV 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	20.86	N/A	21.25	21.45	N/A	21.50
		1413	1732.6	21.20			21.40		
		1513	1752.6	21.21			21.50		
HSDPA	Subtest 1	1312	1712.4	21.20	0	21.25	21.50	0	21.50
		1413	1732.6	21.13			21.50		
		1513	1752.6	21.17			21.50		
	Subtest 2	1312	1712.4	21.07	0	21.25	21.50	0	21.50
		1413	1732.6	21.11			21.50		
		1513	1752.6	21.17			21.50		
	Subtest 3	1312	1712.4	20.75	0.5	20.75	21.00	0.5	21.00
		1413	1732.6	20.75			20.67		
		1513	1752.6	20.64			20.56		
	Subtest 4	1312	1712.4	20.75	0.5	20.75	21.00	0.5	21.00
		1413	1732.6	20.62			20.50		
		1513	1752.6	20.69			20.60		
HSUPA	Subtest 1	1312	1712.4	21.20	0	21.25	21.35	0	21.50
		1413	1732.6	21.08			21.50		
		1513	1752.6	21.09			21.50		
	Subtest 2	1312	1712.4	19.24	2	19.25	19.45	2	19.50
		1413	1732.6	19.21			19.50		
		1513	1752.6	18.76			19.25		
	Subtest 3	1312	1712.4	20.06	1	20.25	20.40	1	20.50
		1413	1732.6	19.77			20.31		
		1513	1752.6	20.25			20.34		
	Subtest 4	1312	1712.4	19.17	2	19.25	19.16	2	19.50
		1413	1732.6	19.06			19.17		
		1513	1752.6	19.04			19.45		
	Subtest 5	1312	1712.4	21.20	0	21.25	21.50	0	21.50
		1413	1732.6	21.00			21.50		
		1513	1752.6	21.01			21.50		
DC-HSDPA	Subtest 1	1312	1712.4	20.95	0	21.25	21.00	0	21.50
		1413	1732.6	21.16			21.15		
		1513	1752.6	21.17			21.18		
	Subtest 2	1312	1712.4	21.10	0	21.25	21.46	0	21.50
		1413	1732.6	20.88			21.38		
		1513	1752.6	20.93			21.43		
	Subtest 3	1312	1712.4	20.70	0.5	20.75	20.26	0.5	21.00
		1413	1732.6	20.65			21.00		
		1513	1752.6	20.73			21.00		
	Subtest 4	1312	1712.4	20.55	0.5	20.75	21.00	0.5	21.00
		1413	1732.6	20.55			21.00		
		1513	1752.6	20.70			20.36		
HSPA+	Subtest 1	1312	1712.4	18.57	2.5	18.75	18.65	2.5	19.00
		1413	1732.6	18.72			18.98		
		1513	1752.6	18.71			17.90		

W-CDMA Band V 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	25.52	N/A	25.70	25.52	N/A	25.70
		4183	836.6	25.46			25.46		
		4233	846.6	25.55			25.55		
HSDPA	Subtest 1	4132	826.4	25.04	0	25.70	25.04	0	25.70
		4183	836.6	24.99			24.99		
		4233	846.6	25.09			25.09		
	Subtest 2	4132	826.4	24.78	0	25.70	24.78	0	25.70
		4183	836.6	24.70			24.70		
		4233	846.6	24.74			24.74		
	Subtest 3	4132	826.4	24.48	0.5	25.20	24.48	0.5	25.20
		4183	836.6	24.40			24.40		
		4233	846.6	24.45			24.45		
	Subtest 4	4132	826.4	24.21	0.5	25.20	24.21	0.5	25.20
		4183	836.6	24.21			24.21		
		4233	846.6	24.20			24.20		
HSUPA	Subtest 1	4132	826.4	25.52	0	25.70	25.52	0	25.70
		4183	836.6	25.46			25.46		
		4233	846.6	25.48			25.48		
	Subtest 2	4132	826.4	22.75	2	23.70	22.75	2	23.70
		4183	836.6	22.71			22.71		
		4233	846.6	22.70			22.70		
	Subtest 3	4132	826.4	23.78	1	24.70	23.78	1	24.70
		4183	836.6	23.70			23.70		
		4233	846.6	23.71			23.71		
	Subtest 4	4132	826.4	22.97	2	23.70	22.97	2	23.70
		4183	836.6	22.90			22.90		
		4233	846.6	22.92			22.92		
	Subtest 5	4132	826.4	24.93	0	25.70	24.93	0	25.70
		4183	836.6	24.86			24.86		
		4233	846.6	24.87			24.87		
DC-HSDPA	Subtest 1	4132	826.4	25.05	0	25.70	25.05	0	25.70
		4183	836.6	24.95			24.95		
		4233	846.6	25.10			25.10		
	Subtest 2	4132	826.4	24.75	0	25.70	24.75	0	25.70
		4183	836.6	24.70			24.70		
		4233	846.6	24.72			24.72		
	Subtest 3	4132	826.4	24.26	0.5	25.20	24.26	0.5	25.20
		4183	836.6	24.20			24.20		
		4233	846.6	24.22			24.22		
	Subtest 4	4132	826.4	24.76	0.5	25.20	24.76	0.5	25.20
		4183	836.6	24.71			24.71		
		4233	846.6	24.68			24.68		
HSPA+	Subtest 1	4132	826.4	23.09	2.5	23.20	23.09	2.5	23.20
		4183	836.6	23.00			23.00		
		4233	846.6	23.03			23.03		

W-CDMA Band V Measured Results (ANT2)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	4132	826.4	24.21	N/A	24.50	24.21	N/A	24.50
		4183	836.6	24.37			24.37		
		4233	846.6	24.19			24.19		
HSDPA	Subtest 1	4132	826.4	23.53	0	24.50	23.53	0	24.50
		4183	836.6	23.62			23.62		
		4233	846.6	23.64			23.64		
	Subtest 2	4132	826.4	23.54	0	24.50	23.54	0	24.50
		4183	836.6	23.54			23.54		
		4233	846.6	23.50			23.50		
	Subtest 3	4132	826.4	23.39	0.5	24.00	23.39	0.5	24.00
		4183	836.6	23.57			23.57		
		4233	846.6	23.52			23.52		
	Subtest 4	4132	826.4	23.12	0.5	24.00	23.12	0.5	24.00
		4183	836.6	23.31			23.31		
		4233	846.6	23.26			23.26		
HSUPA	Subtest 1	4132	826.4	23.55	0	24.50	23.55	0	24.50
		4183	836.6	23.72			23.72		
		4233	846.6	23.82			23.82		
	Subtest 2	4132	826.4	21.89	2	22.50	21.89	2	22.50
		4183	836.6	22.06			22.06		
		4233	846.6	22.04			22.04		
	Subtest 3	4132	826.4	22.90	1	23.50	22.90	1	23.50
		4183	836.6	23.03			23.03		
		4233	846.6	23.03			23.03		
	Subtest 4	4132	826.4	22.14	2	22.50	22.14	2	22.50
		4183	836.6	22.27			22.27		
		4233	846.6	22.24			22.24		
	Subtest 5	4132	826.4	23.99	0	24.50	23.99	0	24.50
		4183	836.6	24.13			24.13		
		4233	846.6	24.13			24.13		
DC-HSDPA	Subtest 1	4132	826.4	24.18	0	24.50	24.18	0	24.50
		4183	836.6	24.34			24.34		
		4233	846.6	24.30			24.30		
	Subtest 2	4132	826.4	24.17	0	24.50	24.17	0	24.50
		4183	836.6	24.34			24.34		
		4233	846.6	24.32			24.32		
	Subtest 3	4132	826.4	23.90	0.5	24.00	23.90	0.5	24.00
		4183	836.6	24.00			24.00		
		4233	846.6	24.00			24.00		
	Subtest 4	4132	826.4	23.90	0.5	24.00	23.90	0.5	24.00
		4183	836.6	24.00			24.00		
		4233	846.6	24.00			24.00		
HSPA+	Subtest 1	4132	826.4	21.65	2.5	22.00	21.65	2.5	22.00
		4183	836.6	21.77			21.77		
		4233	846.6	21.77			21.77		

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 Tx Pout)
- Reverse Power Control Mode: 00-200 to 400 bps
- Smart blanking was disabled.

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

Call box setup procedure

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

- 1xEV-DO Signaling Configuration Window

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

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

  - Under Carrier Configuration: RF Pilot

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

    For Three Carriers: Low Channel (1013)

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

  - Under Carrier Configuration: RF Pilot

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

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

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, Rel. 0 and 1x-Advanced. When primary mode and the adjusted SAR is ≤ 1.2 W/kg and secondary mode is ≤ ¼ dB higher than the primary mode

RF Air interface	Mode	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	24.50	24.50				
	1xAdvanced	25.70	25.70	24.50	24.50				
	1xEVDO Rel. 0	25.70	25.70	24.50	24.50				
	1xEVDO Rev. A	25.70	25.70	24.50	24.50				
CDMA BC1	1xRTT	25.70	21.25	22.00	19.25				
	1xAdvanced	25.70	21.25	22.00	19.25				
	1xEVDO Rel. 0	25.70	21.25	22.00	19.25				
	1xEVDO Rev. A	25.70	21.25	22.00	19.25				
CDMA BC10	1xRTT	25.70	25.70	24.50	24.50				
	1xAdvanced	25.70	25.70	24.50	24.50				
	1xEVDO Rel. 0	25.70	25.70	24.50	24.50				
	1xEVDO Rev. A	25.70	25.70	24.50	24.50				

CDMA BC1 is not supported by 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	25.48	25.70	25.48	25.70
		384	836.52	25.50		25.50	
		777	848.31	25.30		25.30	
	RC3, SO55 (Loopback)	1013	824.70	25.25		25.25	
		384	836.52	25.50		25.23	
		777	848.31	24.93		24.93	
	RC3, SO32 (+F-SCH)	1013	824.70	25.48		25.48	
		384	836.52	25.50		25.50	
		777	848.31	25.30		25.30	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	1013	824.70	24.88	25.70	24.88	25.70
		384	836.52	25.22		25.22	
		777	848.31	25.16		25.16	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	1013	824.70	25.48	25.70	25.48	25.70
		384	836.52	25.50		25.50	
		777	848.31	25.30		25.30	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	1013	824.70	25.48	25.70	25.48	25.70
		384	836.52	25.50		25.50	
		777	848.31	25.30		25.30	

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	24.47	24.50	24.47	24.50
		384	836.52	24.43		24.43	
		777	848.31	24.50		24.50	
	RC3, SO55 (Loopback)	1013	824.70	24.46		24.46	
		384	836.52	24.43		24.44	
		777	848.31	24.47		24.47	
	RC3, SO32 (+F-SCH)	1013	824.70	24.45		24.45	
		384	836.52	24.41		24.41	
		777	848.31	24.50		24.50	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	1013	824.70	24.47	24.50	24.47	24.50
		384	836.52	24.43		24.43	
		777	848.31	24.50		24.50	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	1013	824.70	24.32	24.50	24.32	24.50
		384	836.52	24.34		24.34	
		777	848.31	24.40		24.40	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	1013	824.70	24.15	24.50	24.15	24.50
		384	836.52	24.18		24.18	
		777	848.31	24.24		24.24	

CDMA BC1 Measured Results (ANT1)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	25	1851.25	25.21	25.70	21.17	21.25
		600	1880.00	25.68		21.07	
		1175	1908.75	25.54		21.17	
	RC3, SO55 (Loopback)	25	1851.25	24.85		21.12	
		600	1880.00	25.68		21.09	
		1175	1908.75	25.67		21.05	
	RC3, SO32 (+F-SCH)	25	1851.25	24.88		21.24	
		600	1880.00	25.68		21.14	
		1175	1908.75	25.54		21.13	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	25	1851.25	25.21	25.70	21.17	21.25
		600	1880	25.18		21.07	
		1175	1908.75	24.89		21.17	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	25	1851.25	24.80	25.70	21.01	21.25
		600	1880.00	25.68		20.78	
		1175	1908.75	25.54		20.83	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	25	1851.25	25.17	25.70	21.09	21.25
		600	1880	25.68		20.95	
		1175	1908.75	25.54		21.09	

CDMA BC1 Measured Results (ANT2)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	25	1851.25	21.83	22.00	19.14	19.25
		600	1880.00	21.74		19.04	
		1175	1908.75	21.67		19.00	
	RC3, SO55 (Loopback)	25	1851.25	21.93		19.02	
		600	1880.00	21.84		18.97	
		1175	1908.75	21.80		18.92	
	RC3, SO32 (+F-SCH)	25	1851.25	21.84		18.99	
		600	1880.00	21.74		18.97	
		1175	1908.75	21.68		19.00	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	25	1851.25	21.93	22.00	19.14	19.25
		600	1880	21.84		19.04	
		1175	1908.75	21.80		19.00	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	25	1851.25	21.95	22.00	18.87	19.25
		600	1880.00	21.88		18.78	
		1175	1908.75	21.90		18.79	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	25	1851.25	21.64	22.00	18.81	19.25
		600	1880	21.60		18.77	
		1175	1908.75	21.55		18.75	

CDMA BC10 Measured Results (ANT1)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	560	820.00	25.70	25.70	25.70	25.70
	RC3, SO55 (Loopback)	560	820.00	25.70		25.69	
	RC3, SO32 (+F-SCH)	560	820.00	25.70		25.70	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	560	820.00	25.70	25.70	25.70	25.70
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	560	820.00	25.70	25.70	25.70	25.70
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	560	820.00	25.70	25.70	25.70	25.70

CDMA BC10 Measured Results (ANT2)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	560	820.00	24.45	24.50	24.45	24.50
	RC3, SO55 (Loopback)	560	820.00	24.45		24.42	
	RC3, SO32 (+F-SCH)	560	820.00	24.40		24.40	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	560	820.00	24.45	24.50	24.45	24.50
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	560	820.00	24.28	24.50	24.28	24.50
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	560	820.00	24.22	24.50	24.22	24.50

9.4. LTE

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

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

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

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

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

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

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

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

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

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

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

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

RF Air interface	Mode	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	21.25	22.00	19.25	25.00	20.50	17.75	19.00
LTE Band 4	QPSK	25.70	17.50	22.00	19.50	25.00	21.00	21.25	21.50
LTE Band 5	QPSK	25.70	25.70	24.50	24.50				
LTE Band 7	QPSK	25.70	20.25	19.25	20.50	25.00	20.00	18.00	18.50
LTE Band 12	QPSK	25.70	25.70	24.50	24.50				
LTE Band 13	QPSK	25.70	25.70	24.50	24.50				
LTE Band 14	QPSK	25.70	25.70	24.50	24.50				
LTE Band 17	QPSK	25.70	25.70	24.50	24.50				
LTE Band 25	QPSK	25.70	21.25	22.00	19.25	25.00	20.50	17.75	19.00
LTE Band 26	QPSK	25.70	25.70	24.50	24.50				
LTE Band 30	QPSK	25.70	20.25	21.25	20.00	24.50	22.50	17.75	19.00
LTE Band 41 (PC3)	QPSK	25.70	23.25	21.50	23.25	25.50	22.25	18.75	19.75
LTE Band 41 (PC 2)	QPSK	28.70	23.25	21.50	23.25	28.00	22.25	18.75	19.75
LTE Band 66	QPSK	25.70	17.50	22.00	19.50	25.00	21.00	21.25	21.50
LTE Band 71	QPSK	25.70	25.70	24.50	24.50				

RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT6		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
LTE Band 48	QPSK	25.70	25.70	22.50	22.50	25.50	25.50	22.50	22.50

LTE Band 5 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
				20525		MPR	Tune-up Limit	20525		MPR	Tune-up Limit
				836.5 MHz				836.5 MHz			
10 MHz	QPSK	1	0	25.51		0	25.70	25.51		0	25.70
		1	25	25.52		0	25.70	25.52		0	25.70
		1	49	25.50		0	25.70	25.50		0	25.70
		25	0	24.43		1	24.70	24.43		1	24.70
		25	12	24.44		1	24.70	24.44		1	24.70
		25	25	24.43		1	24.70	24.43		1	24.70
		50	0	24.47		1	24.70	24.47		1	24.70
	16QAM	1	0	24.57		1	24.70	24.57		1	24.70
		1	25	24.53		1	24.70	24.53		1	24.70
		1	49	24.51		1	24.70	24.51		1	24.70
		25	0	23.51		2	23.70	23.51		2	23.70
		25	12	23.51		2	23.70	23.51		2	23.70
		25	25	23.51		2	23.70	23.51		2	23.70
		50	0	23.51		2	23.70	23.51		2	23.70
	64QAM	1	0	23.69		2	23.70	23.69		2	23.70
		1	25	23.68		2	23.70	23.68		2	23.70
		1	49	23.62		2	23.70	23.62		2	23.70
		25	0	22.53		3	22.70	22.53		3	22.70
		25	12	22.52		3	22.70	22.52		3	22.70
		25	25	22.52		3	22.70	22.52		3	22.70
		50	0	22.53		3	22.70	22.53		3	22.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20425	20525	20625			20425	20525	20625		
				826.5 MHz	836.5 MHz	846.5 MHz			826.5 MHz	836.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	25.47	25.44	25.38	0	25.70	25.47	25.44	25.38	0	25.70
		1	12	25.40	25.44	25.47	0	25.70	25.40	25.44	25.47	0	25.70
		1	24	25.45	25.48	25.53	0	25.70	25.45	25.48	25.53	0	25.70
		12	0	24.31	24.39	24.33	1	24.70	24.31	24.39	24.33	1	24.70
		12	7	24.29	24.38	24.35	1	24.70	24.29	24.38	24.35	1	24.70
		12	13	24.28	24.34	24.35	1	24.70	24.28	24.34	24.35	1	24.70
		25	0	24.29	24.33	24.41	1	24.70	24.29	24.33	24.41	1	24.70
	16QAM	1	0	24.51	24.62	24.61	1	24.70	24.51	24.62	24.61	1	24.70
		1	12	24.54	24.58	24.68	1	24.70	24.54	24.58	24.68	1	24.70
		1	24	24.63	24.58	24.55	1	24.70	24.63	24.58	24.55	1	24.70
		12	0	23.31	23.33	23.27	2	23.70	23.31	23.33	23.27	2	23.70
		12	7	23.26	23.31	23.33	2	23.70	23.26	23.31	23.33	2	23.70
		12	13	23.27	23.31	23.32	2	23.70	23.27	23.31	23.32	2	23.70
		25	0	23.29	23.37	23.40	2	23.70	23.29	23.37	23.40	2	23.70
	64QAM	1	0	23.09	23.17	23.63	2	23.70	23.09	23.17	23.63	2	23.70
		1	12	23.65	23.67	23.43	2	23.70	23.65	23.67	23.43	2	23.70
		1	24	23.45	23.47	23.52	2	23.70	23.45	23.47	23.52	2	23.70
		12	0	22.26	22.39	22.30	3	22.70	22.26	22.39	22.30	3	22.70
		12	7	22.22	22.36	22.36	3	22.70	22.22	22.36	22.36	3	22.70
		12	13	22.25	22.37	22.37	3	22.70	22.25	22.37	22.37	3	22.70
		25	0	22.25	22.34	22.37	3	22.70	22.25	22.34	22.37	3	22.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20415	20525	20635			20415	20525	20635		
				825.5 MHz	836.5 MHz	847.5 MHz			825.5 MHz	836.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	25.45	25.45	25.45	0	25.70	25.45	25.45	25.45	0	25.70
		1	8	25.45	25.47	25.52	0	25.70	25.45	25.47	25.52	0	25.70
		1	14	25.31	25.38	25.49	0	25.70	25.31	25.38	25.49	0	25.70
		8	0	24.34	24.29	24.38	1	24.70	24.34	24.29	24.38	1	24.70
		8	4	24.24	24.28	24.36	1	24.70	24.24	24.28	24.36	1	24.70
		8	7	24.24	24.28	24.37	1	24.70	24.24	24.28	24.37	1	24.70
		15	0	24.27	24.30	24.40	1	24.70	24.27	24.30	24.40	1	24.70
	16QAM	1	0	24.53	24.64	24.55	1	24.70	24.53	24.64	24.55	1	24.70
		1	8	24.57	24.66	24.59	1	24.70	24.57	24.66	24.59	1	24.70
		1	14	24.57	24.68	24.63	1	24.70	24.57	24.68	24.63	1	24.70
		8	0	23.29	23.30	23.39	2	23.70	23.29	23.30	23.39	2	23.70
		8	4	23.27	23.29	23.37	2	23.70	23.27	23.29	23.37	2	23.70
		8	7	23.27	23.29	23.38	2	23.70	23.27	23.29	23.38	2	23.70
		15	0	23.25	23.26	23.34	2	23.70	23.25	23.26	23.34	2	23.70
	64QAM	1	0	23.65	23.63	23.60	2	23.70	23.65	23.63	23.60	2	23.70
		1	8	23.66	23.61	23.67	2	23.70	23.66	23.61	23.67	2	23.70
		1	14	23.55	23.50	23.61	2	23.70	23.55	23.50	23.61	2	23.70
		8	0	22.29	22.24	22.27	3	22.70	22.29	22.24	22.27	3	22.70
		8	4	22.19	22.24	22.30	3	22.70	22.19	22.24	22.30	3	22.70
		8	7	22.19	22.25	22.30	3	22.70	22.19	22.25	22.30	3	22.70
		15	0	22.19	22.27	22.30	3	22.70	22.19	22.27	22.30	3	22.70

LTE Band 5 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20407	20525	20643	MPR	Tune-up Limit	20407	20525	20643	MPR	Tune-up Limit
				824.7 MHz	836.5 MHz	848.3 MHz			824.7 MHz	836.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	25.59	25.53	25.60	0	25.70	25.59	25.53	25.60	0	25.70
		1	3	25.52	25.48	25.61	0	25.70	25.52	25.48	25.61	0	25.70
		1	5	25.48	25.49	25.62	0	25.70	25.48	25.49	25.62	0	25.70
		3	0	25.42	25.37	25.41	0	25.70	25.42	25.37	25.41	0	25.70
		3	1	25.41	25.35	25.40	0	25.70	25.41	25.35	25.40	0	25.70
		3	3	25.41	25.31	25.38	0	25.70	25.41	25.31	25.38	0	25.70
		6	0	24.36	24.23	24.30	1	24.70	24.36	24.23	24.30	1	24.70
	16QAM	1	0	24.68	24.67	24.58	1	24.70	24.68	24.67	24.58	1	24.70
		1	3	24.61	24.56	24.60	1	24.70	24.61	24.56	24.60	1	24.70
		1	5	24.58	24.58	24.62	1	24.70	24.58	24.58	24.62	1	24.70
		3	0	24.60	24.49	24.57	1	24.70	24.60	24.49	24.57	1	24.70
		3	1	24.56	24.47	24.55	1	24.70	24.56	24.47	24.55	1	24.70
		3	3	24.59	24.47	24.59	1	24.70	24.59	24.47	24.59	1	24.70
		6	0	23.46	23.35	23.49	2	23.70	23.46	23.35	23.49	2	23.70
	64QAM	1	0	23.62	23.63	23.55	2	23.70	23.62	23.63	23.55	2	23.70
		1	3	23.68	23.51	23.60	2	23.70	23.68	23.51	23.60	2	23.70
		1	5	23.62	23.56	23.55	2	23.70	23.62	23.56	23.55	2	23.70
		3	0	23.56	23.43	23.54	2	23.70	23.56	23.43	23.54	2	23.70
		3	1	23.49	23.44	23.51	2	23.70	23.49	23.44	23.51	2	23.70
		3	3	23.48	23.42	23.52	2	23.70	23.48	23.42	23.52	2	23.70
		6	0	22.33	22.33	22.39	3	22.70	22.33	22.33	22.39	3	22.70

LTE Band 5 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)				
				20525	MPR	Tune-up Limit	20525	MPR	Tune-up Limit		
				836.5 MHz			836.5 MHz				
10 MHz	QPSK	1	0	24.30	0	24.50	24.30	0	24.50		
		1	25	24.37	0	24.50	24.37	0	24.50		
		1	49	24.32	0	24.50	24.32	0	24.50		
		25	0	23.29	1	23.50	23.29	1	23.50		
		25	12	23.32	1	23.50	23.32	1	23.50		
		25	25	23.31	1	23.50	23.31	1	23.50		
		50	0	23.34	1	23.50	23.34	1	23.50		
	16QAM	1	0	23.22	1	23.50	23.22	1	23.50		
		1	25	23.26	1	23.50	23.26	1	23.50		
		1	49	23.26	1	23.50	23.26	1	23.50		
		25	0	22.01	2	22.50	22.01	2	22.50		
		25	12	22.05	2	22.50	22.05	2	22.50		
		25	25	22.06	2	22.50	22.06	2	22.50		
		50	0	22.02	2	22.50	22.02	2	22.50		
	64QAM	1	0	22.10	2	22.50	22.10	2	22.50		
		1	25	22.02	2	22.50	22.02	2	22.50		
		1	49	22.11	2	22.50	22.11	2	22.50		
		25	0	21.30	3	21.50	21.30	3	21.50		
		25	12	21.11	3	21.50	21.11	3	21.50		
		25	25	21.18	3	21.50	21.18	3	21.50		
		50	0	21.11	3	21.50	21.11	3	21.50		

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	24.20	24.01	24.32	0	24.50	24.20	24.01	24.32	0	24.50
		1	12	24.22	24.03	24.41	0	24.50	24.22	24.03	24.41	0	24.50
		1	24	24.31	24.02	24.40	0	24.50	24.31	24.02	24.40	0	24.50
		12	0	23.13	23.46	23.30	1	23.50	23.13	23.46	23.30	1	23.50
		12	7	23.11	23.47	23.33	1	23.50	23.11	23.47	23.33	1	23.50
		12	13	23.15	23.45	23.33	1	23.50	23.15	23.45	23.33	1	23.50
		25	0	23.17	23.46	23.34	1	23.50	23.17	23.46	23.34	1	23.50
	16QAM	1	0	23.02	23.26	23.30	1	23.50	23.02	23.26	23.30	1	23.50
		1	12	23.11	23.26	23.32	1	23.50	23.11	23.26	23.32	1	23.50
		1	24	23.18	23.32	23.39	1	23.50	23.18	23.32	23.39	1	23.50
		12	0	22.11	22.44	22.28	2	22.50	22.11	22.44	22.28	2	22.50
		12	7	22.09	22.44	22.33	2	22.50	22.09	22.44	22.33	2	22.50
		12	13	22.18	22.42	22.31	2	22.50	22.18	22.42	22.31	2	22.50
		25	0	22.21	22.40	22.32	2	22.50	22.21	22.40	22.32	2	22.50
	64QAM	1	0	22.50	22.14	22.14	2	22.50	22.50	22.14	22.14	2	22.50
		1	12	22.46	22.23	22.02	2	22.50	22.46	22.23	22.02	2	22.50
		1	24	22.46	22.35	22.22	2	22.50	22.46	22.35	22.22	2	22.50
		12	0	21.48	21.44	21.15	3	21.50	21.48	21.44	21.15	3	21.50
		12	7	21.48	21.41	21.17	3	21.50	21.48	21.41	21.17	3	21.50
		12	13	21.47	21.41	21.21	3	21.50	21.47	21.41	21.21	3	21.50
		25	0	21.48	21.38	21.20	3	21.50	21.48	21.38	21.20	3	21.5

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	24.10	24.39	24.38	0	24.50	24.10	24.39	24.38	0	24.50
		1	8	24.18	24.45	24.43	0	24.50	24.18	24.45	24.43	0	24.50
		1	14	24.20	24.40	24.38	0	24.50	24.20	24.40	24.38	0	24.50
		8	0	23.00	23.35	23.23	1	23.50	23.00	23.35	23.23	1	23.50
		8	4	23.04	23.34	23.22	1	23.50	23.04	23.34	23.22	1	23.50
		8	7	23.05	23.33	23.23	1	23.50	23.05	23.33	23.23	1	23.50
		15	0	23.06	23.34	23.29	1	23.50	23.06	23.34	23.29	1	23.50
	16QAM	1	0	23.40	23.26	23.24	1	23.50	23.40	23.26	23.24	1	23.50
		1	8	23.48	23.28	23.21	1	23.50	23.48	23.28	23.21	1	23.50
		1	14	23.45	23.25	23.15	1	23.50	23.45	23.25	23.15	1	23.50
		8	0	22.19	22.31	22.25	2	22.50	22.19	22.31	22.25	2	22.50
		8	4	22.09	22.30	22.24	2	22.50	22.09	22.30	22.24	2	22.50
		8	7	22.10	22.28	22.25	2	22.50	22.10	22.28	22.25	2	22.50
		15	0	22.05	22.28	22.24	2	22.50	22.05	22.28	22.24	2	22.50
	64QAM	1	0	22.33	22.15	22.48	2	22.50	22.33	22.15	22.48	2	22.50
		1	8	22.36	22.22	22.12	2	22.50	22.36	22.22	22.12	2	22.50
		1	14	22.28	22.17	22.15	2	22.50	22.28	22.17	22.15	2	22.50
		8	0	21.45	21.34	21.18	3	21.50	21.45	21.34	21.18	3	21.50
		8	4	21.44	21.33	21.25	3	21.50	21.44	21.33	21.25	3	21.50
		8	7	21.43	21.35	21.24	3	21.50	21.43	21.35	21.24	3	21.50
		15	0	21.45	21.30	21.19	3	21.50	21.45	21.30	21.19	3	21.50

LTE Band 5 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20407	20525	20643	MPR	Tune-up Limit	20407	20525	20643	MPR	Tune-up Limit
				824.7 MHz	836.5 MHz	848.3 MHz			824.7 MHz	836.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	24.18	24.02	23.89	0	24.50	24.18	24.02	23.89	0	24.50
		1	3	24.12	23.95	23.89	0	24.50	24.12	23.95	23.89	0	24.50
		1	5	24.21	23.93	23.95	0	24.50	24.21	23.93	23.95	0	24.50
		3	0	24.00	23.80	23.86	0	24.50	24.00	23.80	23.86	0	24.50
		3	1	24.09	23.79	23.79	0	24.50	24.09	23.79	23.79	0	24.50
		3	3	24.08	23.78	23.79	0	24.50	24.08	23.78	23.79	0	24.50
		6	0	23.01	22.70	22.74	1	23.50	23.01	22.70	22.74	1	23.50
	16QAM	1	0	23.02	23.18	23.12	1	23.50	23.02	23.18	23.12	1	23.50
		1	3	23.44	23.09	23.14	1	23.50	23.44	23.09	23.14	1	23.50
		1	5	23.00	23.21	23.14	1	23.50	23.00	23.21	23.14	1	23.50
		3	0	23.14	22.92	22.89	1	23.50	23.14	22.92	22.89	1	23.50
		3	1	23.11	22.93	22.84	1	23.50	23.11	22.93	22.84	1	23.50
		3	3	23.13	22.94	22.81	1	23.50	23.13	22.94	22.81	1	23.50
		6	0	22.13	21.84	21.72	2	22.50	22.13	21.84	21.72	2	22.50
	64QAM	1	0	22.03	21.71	21.82	2	22.50	22.03	21.71	21.82	2	22.50
		1	3	22.24	21.68	21.82	2	22.50	22.24	21.68	21.82	2	22.50
		1	5	22.29	21.66	21.86	2	22.50	22.29	21.66	21.86	2	22.50
		3	0	22.10	22.47	22.47	2	22.50	22.10	22.47	22.47	2	22.50
		3	1	22.09	22.46	22.42	2	22.50	22.09	22.46	22.42	2	22.50
		3	3	22.07	22.46	22.42	2	22.50	22.07	22.46	22.42	2	22.50
		6	0	21.04	21.35	21.30	3	21.50	21.04	21.35	21.30	3	21.50

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	25.58	25.64	25.60	0	25.70	20.16	20.05	20.00	0	20.25
		1	49	25.60	25.66	25.60	0	25.70	20.18	20.18	20.02	0	20.25
		1	99	25.57	25.61	25.30	0	25.70	20.16	20.11	20.00	0	20.25
		50	0	24.52	24.59	24.51	1	24.70	20.10	20.00	20.12	0	20.25
		50	24	24.44	24.61	24.42	1	24.70	20.12	20.05	20.15	0	20.25
		50	50	24.46	24.58	24.27	1	24.70	20.05	20.00	20.11	0	20.25
		100	0	24.43	24.59	24.38	1	24.70	20.04	20.19	20.06	0	20.25
	16QAM	1	0	24.69	24.65	24.60	1	24.70	20.20	20.06	20.09	0	20.25
		1	49	24.55	24.59	24.43	1	24.70	20.07	20.21	20.13	0	20.25
		1	99	24.63	24.62	24.54	1	24.70	20.13	20.04	20.03	0	20.25
		50	0	23.53	23.62	23.54	2	23.70	20.15	20.23	20.18	0	20.25
		50	24	23.42	23.58	23.43	2	23.70	20.08	20.24	20.06	0	20.25
		50	50	23.42	23.56	23.32	2	23.70	20.10	20.05	20.24	0	20.25
		100	0	23.43	23.55	23.43	2	23.70	20.08	20.21	20.06	0	20.25
	64QAM	1	0	23.61	23.66	23.62	2	23.70	20.01	20.19	20.21	0	20.25
		1	49	23.51	23.54	23.38	2	23.70	20.14	20.09	20.01	0	20.25
		1	99	23.57	23.49	23.62	2	23.70	20.06	20.11	20.20	0	20.25
		50	0	22.53	22.68	22.59	3	22.70	20.13	20.11	20.15	0	20.25
		50	24	22.48	22.65	22.51	3	22.70	20.02	20.06	20.20	0	20.25
		50	50	22.52	22.66	22.39	3	22.70	20.18	20.02	20.12	0	20.25
		100	0	22.48	22.64	22.50	3	22.70	20.02	20.13	20.23	0	20.25

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20825	21100	21375	MPR	Tune-up Limit	20825	21100	21375	MPR	Tune-up Limit
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	25.53	25.54	25.51	0	25.70	20.22	20.17	20.13	0	20.25
		1	37	25.41	25.52	25.30	0	25.70	20.14	20.16	20.07	0	20.25
		1	74	25.39	25.50	25.26	0	25.70	20.10	20.14	20.19	0	20.25
		36	0	24.50	24.54	24.44	1	24.70	20.16	20.16	20.15	0	20.25
		36	20	24.45	24.53	24.34	1	24.70	20.13	20.19	20.08	0	20.25
		36	39	24.40	24.52	24.29	1	24.70	20.07	20.16	20.22	0	20.25
		75	0	24.42	24.50	24.33	1	24.70	20.09	20.17	20.09	0	20.25
	16QAM	1	0	24.48	24.58	24.52	1	24.70	20.04	20.04	20.03	0	20.25
		1	37	24.64	24.49	24.61	1	24.70	20.07	20.03	20.13	0	20.25
		1	74	24.66	24.47	24.53	1	24.70	20.11	20.02	20.08	0	20.25
		36	0	23.55	23.57	23.48	2	23.70	20.13	20.21	20.11	0	20.25
		36	20	23.47	23.56	23.31	2	23.70	20.10	20.25	20.06	0	20.25
		36	39	23.44	23.54	23.26	2	23.70	20.06	20.20	20.10	0	20.25
		75	0	23.47	23.55	23.33	2	23.70	20.09	20.23	20.03	0	20.25
	64QAM	1	0	23.69	23.65	23.58	2	23.70	20.21	20.23	20.12	0	20.25
		1	37	23.59	23.66	23.61	2	23.70	20.15	20.23	20.14	0	20.25
		1	74	23.57	23.59	23.46	2	23.70	20.10	20.20	20.11	0	20.25
		36	0	22.53	22.65	22.58	3	22.70	20.15	20.15	20.18	0	20.25
		36	20	22.46	22.65	22.48	3	22.70	20.11	20.17	20.18	0	20.25
		36	39	22.45	22.63	22.45	3	22.70	20.05	20.17	20.12	0	20.25
		75	0	22.45	22.60	22.42	3	22.70	20.05	20.20	20.11	0	20.25

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	25.55	25.57	25.46	0	25.70	20.22	20.20	20.14	0	20.25
		1	25	25.49	25.53	25.28	0	25.70	20.16	20.17	20.11	0	20.25
		1	49	25.48	25.58	25.35	0	25.70	20.13	20.20	20.22	0	20.25
		25	0	24.54	24.54	24.38	1	24.70	20.18	20.20	20.13	0	20.25
		25	12	24.49	24.52	24.31	1	24.70	20.16	20.18	20.08	0	20.25
		25	25	24.47	24.53	24.33	1	24.70	20.14	20.20	20.09	0	20.25
		50	0	24.49	24.52	24.32	1	24.70	20.18	20.20	20.09	0	20.25
	16QAM	1	0	24.49	24.53	24.53	1	24.70	20.07	20.05	20.10	0	20.25
		1	25	24.44	24.48	24.63	1	24.70	20.16	20.02	20.15	0	20.25
		1	49	24.42	24.53	24.59	1	24.70	20.14	20.04	20.18	0	20.25
		25	0	23.52	23.60	23.40	2	23.70	20.18	20.23	20.08	0	20.25
		25	12	23.51	23.56	23.32	2	23.70	20.16	20.23	20.05	0	20.25
		25	25	23.49	23.55	23.35	2	23.70	20.18	20.24	20.14	0	20.25
		50	0	23.51	23.55	23.33	2	23.70	20.13	20.22	20.04	0	20.25
	64QAM	1	0	23.68	23.65	23.67	2	23.70	20.20	20.16	20.10	0	20.25
		1	25	23.55	23.62	23.42	2	23.70	20.19	20.18	20.10	0	20.25
		1	49	23.53	23.60	23.42	2	23.70	20.14	20.21	20.05	0	20.25
		25	0	22.57	22.68	22.40	3	22.70	20.12	20.22	20.20	0	20.25
		25	12	22.52	22.66	22.35	3	22.70	20.10	20.20	20.14	0	20.25
		25	25	22.52	22.66	22.40	3	22.70	20.10	20.22	20.22	0	20.25
		50	0	22.55	22.65	22.35	3	22.70	20.13	20.19	20.16	0	20.25

LTE Band 7 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20775	21100	21425	MPR	Tune-up Limit	20775	21100	21425	MPR	Tune-up Limit
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	25.45	25.56	25.25	0	25.70	20.17	20.17	20.24	0	20.25
		1	12	25.46	25.53	25.25	0	25.70	20.13	20.14	20.21	0	20.25
		1	24	25.46	25.55	25.33	0	25.70	20.17	20.19	20.17	0	20.25
		12	0	24.46	24.46	24.26	1	24.70	20.10	20.08	20.15	0	20.25
		12	7	24.42	24.43	24.25	1	24.70	20.09	20.07	20.16	0	20.25
		12	13	24.41	24.44	24.24	1	24.70	20.08	20.08	20.14	0	20.25
		25	0	24.40	24.47	24.22	1	24.70	20.09	20.07	20.18	0	20.25
	16QAM	1	0	24.56	24.46	24.65	1	24.70	20.07	20.08	20.04	0	20.25
		1	12	24.48	24.49	24.64	1	24.70	20.06	20.01	20.18	0	20.25
		1	24	24.54	24.45	24.41	1	24.70	20.08	20.01	20.23	0	20.25
		12	0	23.38	23.47	23.24	2	23.70	20.15	20.08	20.17	0	20.25
		12	7	23.34	23.47	23.24	2	23.70	20.14	20.07	20.18	0	20.25
		12	13	23.36	23.46	23.22	2	23.70	20.13	20.08	20.15	0	20.25
		25	0	23.38	23.49	23.18	2	23.70	20.08	20.04	20.19	0	20.25
	64QAM	1	0	23.68	23.68	23.64	2	23.70	20.12	20.14	20.03	0	20.25
		1	12	23.52	23.60	23.66	2	23.70	20.03	20.12	20.02	0	20.25
		1	24	23.68	23.68	23.61	2	23.70	20.12	20.20	20.09	0	20.25
		12	0	22.46	22.51	22.23	3	22.70	20.03	20.00	20.16	0	20.25
		12	7	22.45	22.51	22.23	3	22.70	20.06	20.09	20.20	0	20.25
		12	13	22.44	22.54	22.21	3	22.70	20.05	20.07	20.20	0	20.25
		25	0	22.43	22.54	22.24	3	22.70	20.03	20.10	20.21	0	20.25

LTE Band 7 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20850	21100	21350	MPR	Tune-up Limit	20850	21100	21350	MPR	Tune-up Limit
				2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	18.88	18.71	18.74	0	19.25	20.06	20.01	19.92	0	20.50
		1	49	19.20	19.21	19.20	0	19.25	20.15	20.40	20.11	0	20.50
		1	99	18.81	18.68	18.74	0	19.25	20.05	20.03	20.01	0	20.50
		50	0	18.88	18.77	18.62	0	19.25	20.05	20.06	19.82	0	20.50
		50	24	19.12	19.18	19.10	0	19.25	20.40	20.50	20.00	0	20.50
		50	50	18.87	18.78	18.58	0	19.25	20.09	20.04	19.82	0	20.50
		100	0	18.88	19.06	18.65	0	19.25	20.05	20.40	19.87	0	20.50
	16QAM	1	0	19.21	19.14	19.05	0	19.25	20.47	20.33	20.31	0	20.50
		1	49	19.20	19.16	18.96	0	19.25	20.47	20.38	20.23	0	20.50
		1	99	19.13	19.08	19.03	0	19.25	20.37	20.34	20.26	0	20.50
		50	0	18.86	18.84	18.60	0	19.25	20.03	20.13	19.90	0	20.50
		50	24	18.95	18.85	18.67	0	19.25	20.10	20.13	19.88	0	20.50
		50	50	18.90	18.80	18.62	0	19.25	20.12	20.08	19.85	0	20.50
		100	0	18.85	18.86	18.65	0	19.25	20.11	20.12	19.93	0	20.50
	64QAM	1	0	19.12	19.18	19.25	0	19.25	20.50	20.21	20.50	0	20.50
		1	49	19.08	19.18	19.16	0	19.25	20.50	20.25	20.38	0	20.50
		1	99	18.99	19.13	19.25	0	19.25	20.50	20.16	20.50	0	20.50
		50	0	19.08	18.92	18.91	0	19.25	19.59	19.44	19.46	0.25	20.25
		50	24	19.02	18.91	18.91	0	19.25	19.57	19.45	19.40	0.25	20.25
		50	50	19.09	18.93	18.95	0	19.25	19.61	19.49	19.42	0.25	20.25
		100	0	19.02	18.91	18.92	0	19.25	19.54	19.45	19.37	0.25	20.25

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20825	21100	21375	MPR	Tune-up Limit	20825	21100	21375	MPR	Tune-up Limit
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	18.84	18.76	18.58	0	19.25	20.12	20.02	19.82	0	20.50
		1	37	18.87	18.78	18.61	0	19.25	20.14	20.09	19.84	0	20.50
		1	74	18.83	18.77	18.69	0	19.25	20.04	20.07	19.91	0	20.50
		36	0	18.82	18.82	18.63	0	19.25	20.07	20.10	19.91	0	20.50
		36	20	18.86	18.83	18.63	0	19.25	20.17	20.10	19.87	0	20.50
		36	39	18.91	18.76	18.62	0	19.25	20.16	20.10	19.86	0	20.50
		75	0	18.84	18.81	18.61	0	19.25	20.13	20.07	19.84	0	20.50
	16QAM	1	0	19.07	19.14	18.91	0	19.25	20.29	20.34	20.13	0	20.50
		1	37	19.06	19.09	18.94	0	19.25	20.33	20.37	20.16	0	20.50
		1	74	19.04	19.01	18.96	0	19.25	20.34	20.37	20.22	0	20.50
		36	0	18.83	18.84	18.70	0	19.25	20.08	20.11	19.94	0	20.50
		36	20	18.88	18.86	18.67	0	19.25	20.17	20.11	19.90	0	20.50
		36	39	18.86	18.78	18.65	0	19.25	20.18	20.06	19.89	0	20.50
		75	0	18.86	18.82	18.64	0	19.25	20.13	20.09	19.88	0	20.50
	64QAM	1	0	19.24	19.07	19.11	0	19.25	20.47	20.23	20.31	0	20.50
		1	37	19.25	19.06	19.04	0	19.25	20.50	20.32	20.19	0	20.50
		1	74	19.25	19.07	18.93	0	19.25	20.50	20.35	20.22	0	20.50
		36	0	19.07	18.93	18.87	0	19.25	19.54	19.43	19.40	0.25	20.25
		36	20	19.10	18.95	18.92	0	19.25	19.59	19.48	19.46	0.25	20.25
		36	39	19.08	18.96	18.90	0	19.25	19.58	19.49	19.45	0.25	20.25
		75	0	19.07	18.93	18.88	0	19.25	19.54	19.44	19.41	0.25	20.25

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	18.87	18.75	18.68	0	19.25	20.16	20.06	19.98	0	20.50
		1	25	18.85	18.77	18.57	0	19.25	20.09	20.08	19.91	0	20.50
		1	49	18.92	18.83	18.69	0	19.25	20.21	20.09	20.04	0	20.50
		25	0	18.84	18.83	18.57	0	19.25	20.12	20.07	19.90	0	20.50
		25	12	18.81	18.84	18.58	0	19.25	20.05	20.09	19.89	0	20.50
		25	25	18.87	18.81	18.65	0	19.25	20.16	20.05	20.00	0	20.50
		50	0	18.82	18.83	18.57	0	19.25	20.06	20.10	19.84	0	20.50
	16QAM	1	0	19.10	19.11	18.99	0	19.25	20.35	20.40	20.23	0	20.50
		1	25	19.08	19.14	18.85	0	19.25	20.29	20.42	20.15	0	20.50
		1	49	19.14	19.09	18.95	0	19.25	20.44	20.35	20.28	0	20.50
		25	0	18.89	18.85	18.62	0	19.25	20.16	20.11	19.90	0	20.50
		25	12	18.85	18.88	18.62	0	19.25	20.09	20.11	19.90	0	20.50
		25	25	18.90	18.84	18.68	0	19.25	20.18	20.09	19.97	0	20.50
		50	0	18.85	18.85	18.63	0	19.25	20.10	20.12	19.89	0	20.50
	64QAM	1	0	19.10	19.09	19.04	0	19.25	20.27	20.30	20.27	0	20.50
		1	25	19.11	19.08	19.02	0	19.25	20.42	20.33	20.25	0	20.50
		1	49	19.16	19.13	19.06	0	19.25	20.43	20.40	20.38	0	20.50
		25	0	19.05	18.93	18.94	0	19.25	19.56	19.45	19.39	0.25	20.25
		25	12	19.05	18.92	18.94	0	19.25	19.58	19.46	19.37	0.25	20.25
		25	25	19.07	18.96	18.97	0	19.25	19.62	19.48	19.42	0.25	20.25
		50	0	19.00	18.93	18.95	0	19.25	19.60	19.45	19.39	0.25	20.25

LTE Band 7 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20775	21100	21425	MPR	Tune-up Limit	20775	21100	21425	MPR	Tune-up Limit
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	18.84	18.78	18.60	0	19.25	20.07	20.03	19.85	0	20.50
		1	12	18.83	18.79	18.62	0	19.25	20.05	20.02	19.89	0	20.50
		1	24	18.80	18.74	18.66	0	19.25	20.02	19.99	19.95	0	20.50
		12	0	18.78	18.73	18.54	0	19.25	20.01	19.98	19.79	0	20.50
		12	7	18.78	18.73	18.60	0	19.25	20.01	19.98	19.85	0	20.50
		12	13	18.71	18.75	18.58	0	19.25	19.95	20.00	19.84	0	20.50
		25	0	18.76	18.71	18.57	0	19.25	20.01	19.97	19.83	0	20.50
	16QAM	1	0	19.20	19.03	18.96	0	19.25	20.43	20.29	20.22	0	20.50
		1	12	19.19	19.05	18.97	0	19.25	20.42	20.31	20.25	0	20.50
		1	24	19.20	18.97	19.00	0	19.25	20.38	20.23	20.31	0	20.50
		12	0	18.76	18.70	18.53	0	19.25	19.98	19.95	19.80	0	20.50
		12	7	18.76	18.72	18.59	0	19.25	19.98	19.98	19.86	0	20.50
		12	13	18.70	18.72	18.58	0	19.25	19.92	19.98	19.86	0	20.50
		25	0	18.78	18.67	18.54	0	19.25	20.00	19.93	19.80	0	20.50
	64QAM	1	0	19.12	19.09	19.21	0	19.25	20.38	20.33	20.32	0	20.50
		1	12	19.09	19.08	19.17	0	19.25	20.31	20.24	20.32	0	20.50
		1	24	19.14	19.11	19.21	0	19.25	20.39	20.31	20.39	0	20.50
		12	0	18.86	18.74	18.75	0	19.25	19.37	19.32	19.30	0.25	20.25
		12	7	18.86	18.75	18.80	0	19.25	19.36	19.32	19.32	0.25	20.25
		12	13	18.86	18.74	18.78	0	19.25	19.38	19.29	19.29	0.25	20.25
		25	0	18.81	18.75	18.79	0	19.25	19.36	19.30	19.32	0.25	20.25

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	24.25	24.01	24.35	0	25.00	19.42	19.59	19.65	0	20.00
		1	49	24.49	24.50	24.51	0	25.00	19.74	19.71	19.78	0	20.00
		1	99	24.07	24.24	24.50	0	25.00	19.73	19.41	19.75	0	20.00
		50	0	23.12	23.16	23.50	1	24.00	19.32	19.77	19.70	0	20.00
		50	24	23.20	23.50	23.52	1	24.00	19.50	19.82	19.80	0	20.00
		50	50	23.13	23.16	23.50	1	24.00	19.31	19.34	19.78	0	20.00
		100	0	23.18	23.50	23.50	1	24.00	19.50	19.50	19.50	0	20.00
	16QAM	1	0	23.40	23.37	23.62	1	24.00	19.32	19.61	19.64	0	20.00
		1	49	23.46	23.50	23.76	1	24.00	19.41	19.52	19.71	0	20.00
		1	99	23.53	23.56	23.77	1	24.00	19.48	19.46	19.79	0	20.00
		50	0	22.15	22.13	22.50	2	23.00	19.38	19.30	19.41	0	20.00
		50	24	22.23	22.17	22.54	2	23.00	19.39	19.34	19.38	0	20.00
		50	50	22.20	22.16	22.57	2	23.00	19.54	19.72	19.44	0	20.00
		100	0	22.23	22.17	22.54	2	23.00	19.77	19.76	19.43	0	20.00
	64QAM	1	0	22.24	22.90	22.91	2	23.00	19.68	19.51	19.71	0	20.00
		1	49	22.45	22.80	22.86	2	23.00	19.77	19.75	19.50	0	20.00
		1	99	22.53	22.77	22.82	2	23.00	19.74	19.76	19.49	0	20.00
		50	0	21.52	21.80	21.91	3	22.00	19.60	19.30	19.56	0	20.00
		50	24	21.57	21.87	21.86	3	22.00	19.53	19.37	19.54	0	20.00
		50	50	21.50	21.94	21.83	3	22.00	19.44	19.52	19.50	0	20.00
		100	0	21.53	21.86	21.87	3	22.00	19.53	19.45	19.55	0	20.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20825	21100	21375	MPR	Tune-up Limit	20825	21100	21375	MPR	Tune-up Limit
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	24.11	24.08	24.50	0	25.00	19.76	19.32	19.70	0	20.00
		1	37	24.12	24.21	24.52	0	25.00	19.74	19.47	19.74	0	20.00
		1	74	24.04	24.18	24.44	0	25.00	19.67	19.43	19.73	0	20.00
		36	0	23.14	23.14	23.53	1	24.00	19.79	19.67	19.80	0	20.00
		36	20	23.18	23.20	23.58	1	24.00	19.38	19.44	19.75	0	20.00
		36	39	23.12	23.16	23.59	1	24.00	19.32	19.38	19.76	0	20.00
		75	0	23.12	23.18	23.57	1	24.00	19.79	19.47	19.76	0	20.00
	16QAM	1	0	23.19	23.35	23.74	1	24.00	19.65	19.69	19.60	0	20.00
		1	37	23.28	23.38	23.82	1	24.00	19.76	19.45	19.66	0	20.00
		1	74	23.24	23.43	23.70	1	24.00	19.35	19.39	19.79	0	20.00
		36	0	22.07	22.11	22.56	2	23.00	19.35	19.32	19.47	0	20.00
		36	20	22.08	22.22	22.55	2	23.00	19.43	19.33	19.49	0	20.00
		36	39	22.05	22.19	22.60	2	23.00	19.51	19.64	19.58	0	20.00
		75	0	22.05	22.24	22.58	2	23.00	19.52	19.58	19.57	0	20.00
	64QAM	1	0	22.34	22.80	23.00	2	23.00	19.69	19.40	19.78	0	20.00
		1	37	22.64	22.94	22.87	2	23.00	19.72	19.63	19.30	0	20.00
		1	74	22.64	22.95	22.85	2	23.00	19.71	19.68	19.30	0	20.00
		36	0	21.55	21.88	21.93	3	22.00	19.55	19.43	19.61	0	20.00
		36	20	21.57	21.95	21.86	3	22.00	19.61	19.47	19.48	0	20.00
		36	39	21.52	21.98	21.79	3	22.00	19.59	19.50	19.46	0	20.00
		75	0	21.52	21.89	21.77	3	22.00	19.46	19.39	19.45	0	20.00

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	24.16	24.10	24.58	0	25.00	19.58	19.32	19.70	0	20.00
		1	25	24.07	24.20	24.57	0	25.00	19.60	19.45	19.61	0	20.00
		1	49	24.17	24.20	24.51	0	25.00	19.71	19.43	19.78	0	20.00
		25	0	23.09	23.15	23.55	1	24.00	19.52	19.55	19.60	0	20.00
		25	12	23.12	23.19	23.55	1	24.00	19.63	19.44	19.60	0	20.00
		25	25	23.19	23.17	23.51	1	24.00	19.72	19.39	19.57	0	20.00
		50	0	23.13	23.19	23.58	1	24.00	19.71	19.45	19.60	0	20.00
	16QAM	1	0	23.09	23.35	23.78	1	24.00	19.65	19.66	19.68	0	20.00
		1	25	23.23	23.40	23.76	1	24.00	19.41	19.52	19.68	0	20.00
		1	49	23.40	23.40	23.78	1	24.00	19.39	19.35	19.61	0	20.00
		25	0	22.10	22.13	22.57	2	23.00	19.63	19.38	19.47	0	20.00
		25	12	22.08	22.21	22.59	2	23.00	19.32	19.37	19.46	0	20.00
		25	25	22.11	22.14	22.55	2	23.00	19.68	19.73	19.52	0	20.00
		50	0	22.08	22.21	22.62	2	23.00	19.72	19.72	19.55	0	20.00
	64QAM	1	0	22.16	22.86	22.97	2	23.00	19.30	19.68	19.69	0	20.00
		1	25	22.42	22.98	22.80	2	23.00	19.66	19.68	19.33	0	20.00
		1	49	22.59	22.90	22.94	2	23.00	19.72	19.76	19.33	0	20.00
		25	0	21.38	21.83	21.87	3	22.00	19.40	19.36	19.56	0	20.00
		25	12	21.46	21.86	21.81	3	22.00	19.51	19.42	19.55	0	20.00
		25	25	21.53	21.94	21.86	3	22.00	19.55	19.57	19.59	0	20.00
		50	0	21.45	21.85	21.82	3	22.00	19.52	19.50	19.46	0	20.00

LTE Band 7 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20775	21100	21425	MPR	Tune-up Limit	20775	21100	21425	MPR	Tune-up Limit
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	24.13	24.04	24.50	0	25.00	19.72	19.69	19.75	0	20.00
		1	12	24.34	24.13	24.46	0	25.00	19.35	19.77	19.68	0	20.00
		1	24	24.49	24.12	24.41	0	25.00	19.52	19.75	19.71	0	20.00
		12	0	23.70	23.08	23.49	1	24.00	19.77	19.52	19.71	0	20.00
		12	7	23.81	23.07	23.40	1	24.00	19.40	19.32	19.64	0	20.00
		12	13	23.98	23.07	23.39	1	24.00	19.52	19.32	19.64	0	20.00
		25	0	23.86	23.05	23.38	1	24.00	19.49	19.33	19.62	0	20.00
	16QAM	1	0	23.88	23.26	23.86	1	24.00	19.52	19.31	19.66	0	20.00
		1	12	23.10	23.27	23.76	1	24.00	19.70	19.35	19.75	0	20.00
		1	24	23.30	23.34	23.78	1	24.00	19.77	19.48	19.80	0	20.00
		12	0	22.63	22.04	22.46	2	23.00	19.46	19.44	19.66	0	20.00
		12	7	22.76	22.05	22.42	2	23.00	19.38	19.62	19.60	0	20.00
		12	13	22.86	22.08	22.41	2	23.00	19.50	19.64	19.33	0	20.00
		25	0	22.77	22.02	22.35	2	23.00	19.39	19.57	19.30	0	20.00
	64QAM	1	0	22.28	22.83	22.85	2	23.00	19.53	19.56	19.63	0	20.00
		1	12	22.44	22.99	22.84	2	23.00	19.58	19.69	19.40	0	20.00
		1	24	22.58	22.94	22.88	2	23.00	19.77	19.70	19.46	0	20.00
		12	0	21.06	21.72	21.64	3	22.00	19.63	19.71	19.34	0	20.00
		12	7	21.14	21.72	21.72	3	22.00	19.68	19.73	19.79	0	20.00
		12	13	21.27	21.71	21.68	3	22.00	19.32	19.75	19.40	0	20.00
		25	0	21.20	21.73	21.65	3	22.00	19.67	19.78	19.40	0	20.00

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	17.64	17.50	17.32	0	18.00	18.11	18.00	17.69	0	18.50
		1	49	17.90	17.50	17.80	0	18.00	18.35	18.08	18.35	0	18.50
		1	99	17.07	17.25	17.44	0	18.00	17.79	17.66	17.84	0	18.50
		50	0	17.48	17.04	17.36	0	18.00	17.91	17.80	17.74	0	18.50
		50	24	17.95	17.52	17.82	0	18.00	18.25	18.20	18.20	0	18.50
		50	50	17.34	17.21	17.33	0	18.00	17.81	17.62	17.80	0	18.50
		100	0	17.40	17.80	17.30	0	18.00	17.85	18.20	17.76	0	18.50
	16QAM	1	0	17.99	17.34	17.57	0	18.00	18.40	17.79	18.03	0	18.50
		1	49	17.79	17.46	17.61	0	18.00	18.21	17.86	18.05	0	18.50
		1	99	17.35	17.63	17.65	0	18.00	17.86	18.06	18.15	0	18.50
		50	0	17.44	17.09	17.39	0	18.00	17.94	17.54	17.79	0	18.50
		50	24	17.47	17.12	17.37	0	18.00	17.94	17.56	17.78	0	18.50
		50	50	17.39	17.25	17.39	0	18.00	17.85	17.66	17.83	0	18.50
		100	0	17.43	17.14	17.33	0	18.00	17.89	17.56	17.70	0	18.50
	64QAM	1	0	17.69	17.69	17.72	0	18.00	18.40	17.90	18.22	0	18.50
		1	49	17.58	17.77	17.84	0	18.00	18.35	17.87	18.25	0	18.50
		1	99	17.38	17.71	18.00	0	18.00	18.08	17.90	18.50	0	18.50
		50	0	17.64	17.49	17.44	0	18.00	18.09	17.92	17.93	0	18.50
		50	24	17.55	17.42	17.60	0	18.00	18.01	17.84	18.04	0	18.50
		50	50	17.40	17.40	17.72	0	18.00	17.87	17.85	18.13	0	18.50
		100	0	17.46	17.40	17.61	0	18.00	17.96	17.85	18.02	0	18.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20825	21100	21375	MPR	Tune-up Limit	20825	21100	21375	MPR	Tune-up Limit
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	17.62	17.03	17.33	0	18.00	18.26	17.63	17.95	0	18.50
		1	37	17.47	17.06	17.37	0	18.00	18.07	17.67	17.98	0	18.50
		1	74	17.34	17.17	17.34	0	18.00	17.96	17.75	17.93	0	18.50
		36	0	17.53	17.08	17.27	0	18.00	18.19	17.68	17.87	0	18.50
		36	20	17.47	17.11	17.35	0	18.00	18.08	17.71	17.97	0	18.50
		36	39	17.47	17.18	17.37	0	18.00	18.10	17.76	17.97	0	18.50
		75	0	17.43	17.06	17.35	0	18.00	17.99	17.69	17.96	0	18.50
	16QAM	1	0	17.85	17.34	17.66	0	18.00	18.43	17.99	18.26	0	18.50
		1	37	17.72	17.39	17.72	0	18.00	18.24	17.97	18.33	0	18.50
		1	74	17.59	17.57	17.72	0	18.00	18.20	18.09	18.25	0	18.50
		36	0	17.59	17.10	17.36	0	18.00	18.16	17.71	17.92	0	18.50
		36	20	17.49	17.13	17.43	0	18.00	18.04	17.74	18.02	0	18.50
		36	39	17.50	17.22	17.42	0	18.00	18.06	17.80	18.02	0	18.50
		75	0	17.46	17.09	17.39	0	18.00	18.01	17.74	18.00	0	18.50
	64QAM	1	0	17.89	17.58	17.70	0	18.00	18.33	18.08	18.01	0	18.50
		1	37	17.84	17.61	17.81	0	18.00	18.36	17.98	18.17	0	18.50
		1	74	17.57	17.67	17.92	0	18.00	18.16	17.99	18.28	0	18.50
		36	0	17.74	17.44	17.54	0	18.00	18.17	17.92	17.99	0	18.50
		36	20	17.64	17.44	17.67	0	18.00	18.07	17.88	18.13	0	18.50
		36	39	17.59	17.44	17.69	0	18.00	18.02	17.88	18.13	0	18.50
		75	0	17.58	17.40	17.65	0	18.00	18.04	17.85	18.10	0	18.50

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	17.61	17.08	17.36	0	18.00	18.23	17.64	17.97	0	18.50
		1	25	17.51	17.10	17.47	0	18.00	18.15	17.66	18.00	0	18.50
		1	49	17.56	17.23	17.49	0	18.00	18.14	17.79	18.00	0	18.50
		25	0	17.59	17.07	17.43	0	18.00	18.24	17.66	18.00	0	18.50
		25	12	17.49	17.07	17.44	0	18.00	18.13	17.66	17.99	0	18.50
		25	25	17.45	17.18	17.36	0	18.00	18.06	17.74	17.95	0	18.50
		50	0	17.48	17.09	17.35	0	18.00	18.13	17.69	17.96	0	18.50
	16QAM	1	0	17.90	17.42	17.69	0	18.00	18.47	18.01	18.23	0	18.50
		1	25	17.78	17.42	17.71	0	18.00	18.38	17.99	18.25	0	18.50
		1	49	17.77	17.57	17.69	0	18.00	18.36	18.12	18.31	0	18.50
		25	0	17.67	17.10	17.42	0	18.00	18.27	17.70	18.02	0	18.50
		25	12	17.51	17.12	17.41	0	18.00	18.15	17.70	18.03	0	18.50
		25	25	17.48	17.21	17.38	0	18.00	18.07	17.78	17.95	0	18.50
		50	0	17.51	17.11	17.41	0	18.00	18.15	17.72	18.02	0	18.50
	64QAM	1	0	17.71	17.66	17.72	0	18.00	18.22	18.11	18.19	0	18.50
		1	25	17.76	17.64	17.80	0	18.00	18.30	18.03	18.27	0	18.50
		1	49	17.73	17.69	17.98	0	18.00	18.18	18.04	18.41	0	18.50
		25	0	17.73	17.52	17.70	0	18.00	18.12	17.94	18.18	0	18.50
		25	12	17.73	17.48	17.69	0	18.00	18.12	17.89	18.17	0	18.50
		25	25	17.65	17.53	17.77	0	18.00	18.07	17.90	18.24	0	18.50
		50	0	17.67	17.47	17.71	0	18.00	18.07	17.89	18.13	0	18.50

LTE Band 7 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20775	21100	21425	MPR	Tune-up Limit	20775	21100	21425	MPR	Tune-up Limit
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	17.57	17.05	17.39	0	18.00	18.16	17.65	17.88	0	18.50
		1	12	17.58	17.00	17.26	0	18.00	18.14	17.64	17.83	0	18.50
		1	24	17.49	17.10	17.33	0	18.00	18.06	17.72	17.85	0	18.50
		12	0	17.55	17.26	17.33	0	18.00	18.14	17.58	17.83	0	18.50
		12	7	17.53	17.24	17.22	0	18.00	18.10	17.58	17.77	0	18.50
		12	13	17.50	17.25	17.20	0	18.00	18.08	17.59	17.78	0	18.50
		25	0	17.51	17.23	17.20	0	18.00	18.09	17.56	17.76	0	18.50
	16QAM	1	0	17.97	17.31	17.80	0	18.00	18.50	17.90	18.26	0	18.50
		1	12	17.96	17.28	17.70	0	18.00	18.46	17.87	18.22	0	18.50
		1	24	17.85	17.37	17.73	0	18.00	18.44	17.98	18.25	0	18.50
		12	0	17.54	17.25	17.34	0	18.00	18.10	17.54	17.85	0	18.50
		12	7	17.50	17.22	17.25	0	18.00	18.07	17.55	17.79	0	18.50
		12	13	17.48	17.24	17.22	0	18.00	18.05	17.57	17.78	0	18.50
		25	0	17.53	17.19	17.20	0	18.00	18.09	17.52	17.75	0	18.50
	64QAM	1	0	17.70	17.65	18.00	0	18.00	18.19	18.12	18.36	0	18.50
		1	12	17.80	17.57	17.96	0	18.00	18.24	18.04	18.40	0	18.50
		1	24	17.84	17.65	18.00	0	18.00	18.26	18.07	18.44	0	18.50
		12	0	17.43	17.21	17.54	0	18.00	17.92	17.71	17.89	0	18.50
		12	7	17.47	17.22	17.59	0	18.00	17.94	17.68	17.96	0	18.50
		12	13	17.49	17.25	17.56	0	18.00	17.97	17.73	17.96	0	18.50
		25	0	17.45	17.24	17.55	0	18.00	17.92	17.70	17.96	0	18.50

LTE Band 12 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23095	MPR	Tune-up Limit	23095	MPR	Tune-up Limit
				707.5 MHz			707.5 MHz		
10 MHz	QPSK	1	0	25.40	0	25.70	25.40	0	25.70
		1	25	25.60	0	25.70	25.60	0	25.70
		1	49	25.56	0	25.70	25.56	0	25.70
		25	0	24.49	1	24.70	24.49	1	24.70
		25	12	24.53	1	24.70	24.53	1	24.70
		25	25	24.50	1	24.70	24.50	1	24.70
		50	0	24.59	1	24.70	24.59	1	24.70
	16QAM	1	0	24.60	1	24.70	24.60	1	24.70
		1	25	24.65	1	24.70	24.65	1	24.70
		1	49	24.62	1	24.70	24.62	1	24.70
		25	0	23.54	2	23.70	23.54	2	23.70
		25	12	23.59	2	23.70	23.59	2	23.70
		25	25	23.61	2	23.70	23.61	2	23.70
		50	0	23.60	2	23.70	23.60	2	23.70
	64QAM	1	0	23.65	2	23.70	23.65	2	23.70
		1	25	23.65	2	23.70	23.65	2	23.70
		1	49	23.67	2	23.70	23.67	2	23.70
		25	0	22.48	3	22.70	22.48	3	22.70
		25	12	22.54	3	22.70	22.54	3	22.70
		25	25	22.58	3	22.70	22.58	3	22.70
		50	0	22.57	3	22.70	22.57	3	22.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
				23035	23095	23155	MPR	23035	23095	23155	MPR
				701.5 MHz	707.5 MHz	713.5 MHz		701.5 MHz	707.5 MHz	713.5 MHz	
5 MHz	QPSK	1	0	25.42	25.46	25.47	0	25.42	25.46	25.47	0
		1	12	25.36	25.52	25.49	0	25.36	25.52	25.49	0
		1	24	25.35	25.58	25.51	0	25.35	25.58	25.51	0
		12	0	24.28	24.39	24.37	1	24.28	24.39	24.37	1
		12	7	24.31	24.46	24.41	1	24.31	24.46	24.41	1
		12	13	24.31	24.45	24.47	1	24.31	24.45	24.47	1
		25	0	24.30	24.51	24.45	1	24.30	24.51	24.45	1
	16QAM	1	0	24.64	24.69	24.70	1	24.64	24.69	24.70	1
		1	12	24.70	24.63	24.69	1	24.70	24.63	24.69	1
		1	24	24.68	24.62	24.60	1	24.68	24.62	24.60	1
		12	0	23.24	23.38	23.34	2	23.24	23.38	23.34	2
		12	7	23.26	23.43	23.39	2	23.26	23.43	23.39	2
		12	13	23.25	23.43	23.42	2	23.25	23.43	23.42	2
		25	0	23.29	23.48	23.46	2	23.29	23.48	23.46	2
	64QAM	1	0	23.64	23.62	22.36	2	23.64	23.62	22.36	2
		1	12	23.60	23.66	23.64	2	23.60	23.66	23.64	2
		1	24	23.64	23.67	23.65	2	23.64	23.67	23.65	2
		12	0	22.23	22.38	22.25	3	22.23	22.38	22.25	3
		12	7	22.32	22.42	22.32	3	22.32	22.42	22.32	3
		12	13	22.29	22.42	22.35	3	22.29	22.42	22.35	3
		25	0	22.29	22.44	22.38	3	22.29	22.44	22.38	3

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
				23025	23095	23165	MPR	23025	23095	23165	MPR
				700.5 MHz	707.5 MHz	714.5 MHz		700.5 MHz	707.5 MHz	714.5 MHz	
3 MHz	QPSK	1	0	25.38	25.47	25.48	0	25.38	25.47	25.48	0
		1	8	25.34	25.62	25.57	0	25.34	25.62	25.57	0
		1	14	25.30	25.61	25.46	0	25.30	25.61	25.46	0
		8	0	24.27	24.41	24.38	1	24.27	24.41	24.38	1
		8	4	24.16	24.47	24.43	1	24.16	24.47	24.43	1
		8	7	24.15	24.48	24.42	1	24.15	24.48	24.42	1
		15	0	24.18	24.50	24.46	1	24.18	24.50	24.46	1
	16QAM	1	0	24.65	24.62	24.64	1	24.65	24.62	24.64	1
		1	8	24.52	24.69	24.69	1	24.52	24.69	24.69	1
		1	14	24.52	24.65	24.68	1	24.52	24.65	24.68	1
		8	0	23.28	23.41	23.40	2	23.28	23.41	23.40	2
		8	4	23.17	23.49	23.39	2	23.17	23.49	23.39	2
		8	7	23.17	23.50	23.40	2	23.17	23.50	23.40	2
		15	0	23.16	23.45	23.38	2	23.16	23.45	23.38	2
	64QAM	1	0	23.58	23.65	23.64	2	23.58	23.65	23.64	2
		1	8	23.47	23.62	23.65	2	23.47	23.62	23.65	2
		1	14	23.47	23.66	23.55	2	23.47	23.66	23.55	2
		8	0	22.19	22.34	22.28	3	22.19	22.34	22.28	3
		8	4	22.12	22.37	22.32	3	22.12	22.37	22.32	3
		8	7	22.13	22.38	22.32	3	22.13	22.38	22.32	3
		15	0	22.11	22.42	22.36	3	22.11	22.42	22.36	3

LTE Band 12 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				23017	23095	23173	MPR	Tune-up Limit	23017	23095	23173	MPR	Tune-up Limit
				699.7 MHz	707.5 MHz	715.3 MHz			699.7 MHz	707.5 MHz	715.3 MHz		
1.4 MHz	QPSK	1	0	25.38	25.61	25.59	0	25.70	25.38	25.61	25.59	0	25.70
		1	3	25.38	25.58	25.47	0	25.70	25.38	25.58	25.47	0	25.70
		1	5	25.36	25.63	25.51	0	25.70	25.36	25.63	25.51	0	25.70
		3	0	25.23	25.45	25.34	0	25.70	25.23	25.45	25.34	0	25.70
		3	1	25.24	25.45	25.33	0	25.70	25.24	25.45	25.33	0	25.70
		3	3	25.23	25.45	25.34	0	25.70	25.23	25.45	25.34	0	25.70
		6	0	24.28	24.37	24.22	1	24.70	24.28	24.37	24.22	1	24.70
	16QAM	1	0	24.64	24.67	24.64	1	24.70	24.64	24.67	24.64	1	24.70
		1	3	24.62	24.70	24.62	1	24.70	24.62	24.70	24.62	1	24.70
		1	5	24.63	24.67	24.66	1	24.70	24.63	24.67	24.66	1	24.70
		3	0	24.39	24.60	24.47	1	24.70	24.39	24.60	24.47	1	24.70
		3	1	24.37	24.60	24.43	1	24.70	24.37	24.60	24.43	1	24.70
		3	3	24.39	24.60	24.47	1	24.70	24.39	24.60	24.47	1	24.70
		6	0	23.19	23.53	23.43	2	23.70	23.19	23.53	23.43	2	23.70
	64QAM	1	0	23.64	23.69	23.69	2	23.70	23.64	23.69	23.69	2	23.70
		1	3	23.66	23.66	23.68	2	23.70	23.66	23.66	23.68	2	23.70
		1	5	23.68	23.63	23.63	2	23.70	23.68	23.63	23.63	2	23.70
		3	0	23.46	23.54	23.51	2	23.70	23.46	23.54	23.51	2	23.70
		3	1	23.38	23.54	23.43	2	23.70	23.38	23.54	23.43	2	23.70
		3	3	23.38	23.53	23.45	2	23.70	23.38	23.53	23.45	2	23.70
		6	0	22.25	22.42	22.28	3	22.70	22.25	22.42	22.28	3	22.70

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	23.83	0	24.50		23.83	0	24.50	
		1	25	24.00	0	24.50		24.00	0	24.50	
		1	49	23.80	0	24.50		23.80	0	24.50	
		25	0	22.79	1	23.50		22.79	1	23.50	
		25	12	23.00	1	23.50		23.00	1	23.50	
		25	25	22.79	1	23.50		22.79	1	23.50	
		50	0	22.80	1	23.50		22.80	1	23.50	
	16QAM	1	0	23.16	1	23.50		23.16	1	23.50	
		1	25	23.12	1	23.50		23.12	1	23.50	
		1	49	23.08	1	23.50		23.08	1	23.50	
		25	0	21.81	2	22.50		21.81	2	22.50	
		25	12	21.77	2	22.50		21.77	2	22.50	
		25	25	21.80	2	22.50		21.80	2	22.50	
		50	0	21.78	2	22.50		21.78	2	22.50	
	64QAM	1	0	21.70	2	22.50		21.70	2	22.50	
		1	25	21.68	2	22.50		21.68	2	22.50	
		1	49	22.47	2	22.50		22.47	2	22.50	
		25	0	21.42	3	21.50		21.42	3	21.50	
		25	12	21.41	3	21.50		21.41	3	21.50	
		25	25	21.24	3	21.50		21.24	3	21.50	
		50	0	21.44	3	21.50		21.44	3	21.50	

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				23035	23095	23155			23035	23095	23155		
				701.5 MHz	707.5 MHz	713.5 MHz			701.5 MHz	707.5 MHz	713.5 MHz		
5 MHz	QPSK	1	0	23.78	23.77	23.69	0	24.50	23.78	23.77	23.69	0	24.50
		1	12	23.74	23.73	23.78	0	24.50	23.74	23.73	23.78	0	24.50
		1	24	23.72	23.81	23.73	0	24.50	23.72	23.81	23.73	0	24.50
		12	0	22.65	22.63	22.65	1	23.50	22.65	22.63	22.65	1	23.50
		12	7	22.70	22.67	22.68	1	23.50	22.70	22.67	22.68	1	23.50
		12	13	22.69	22.69	22.66	1	23.50	22.69	22.69	22.66	1	23.50
		25	0	22.69	22.67	22.66	1	23.50	22.69	22.67	22.66	1	23.50
	16QAM	1	0	23.23	23.10	23.09	1	23.50	23.23	23.10	23.09	1	23.50
		1	12	23.15	23.08	23.08	1	23.50	23.15	23.08	23.08	1	23.50
		1	24	23.08	23.08	23.12	1	23.50	23.08	23.08	23.12	1	23.50
		12	0	21.62	21.64	21.67	2	22.50	21.62	21.64	21.67	2	22.50
		12	7	21.65	21.64	21.67	2	22.50	21.65	21.64	21.67	2	22.50
		12	13	21.64	21.71	21.68	2	22.50	21.64	21.71	21.68	2	22.50
		25	0	21.68	21.62	21.64	2	22.50	21.68	21.62	21.64	2	22.50
	64QAM	1	0	21.80	21.72	21.62	2	22.50	21.80	21.72	21.62	2	22.50
		1	12	21.76	21.70	21.56	2	22.50	21.76	21.70	21.56	2	22.50
		1	24	21.79	21.55	21.69	2	22.50	21.79	21.55	21.69	2	22.50
		12	0	20.57	21.25	21.08	3	21.50	20.57	21.25	21.08	3	21.50
		12	7	21.45	21.24	21.07	3	21.50	21.45	21.24	21.07	3	21.50
		12	13	21.47	21.24	21.17	3	21.50	21.47	21.24	21.17	3	21.50
		25	0	21.42	21.28	21.08	3	21.50	21.42	21.28	21.08	3	21.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				23025	23095	23165			23025	23095	23165		
				700.5 MHz	707.5 MHz	714.5 MHz			700.5 MHz	707.5 MHz	714.5 MHz		
3 MHz	QPSK	1	0	23.81	23.65	23.75	0	24.50	23.81	23.65	23.75	0	24.50
		1	8	23.82	23.70	23.79	0	24.50	23.82	23.70	23.79	0	24.50
		1	14	23.77	23.69	23.69	0	24.50	23.77	23.69	23.69	0	24.50
		8	0	22.64	22.53	22.60	1	23.50	22.64	22.53	22.60	1	23.50
		8	4	22.63	22.56	22.58	1	23.50	22.63	22.56	22.58	1	23.50
		8	7	22.63	22.55	22.57	1	23.50	22.63	22.55	22.57	1	23.50
		15	0	22.65	22.57	22.65	1	23.50	22.65	22.57	22.65	1	23.50
	16QAM	1	0	23.03	22.99	23.03	1	23.50	23.03	22.99	23.03	1	23.50
		1	8	22.94	23.00	23.11	1	23.50	22.94	23.00	23.11	1	23.50
		1	14	22.97	22.98	23.00	1	23.50	22.97	22.98	23.00	1	23.50
		8	0	21.69	21.46	21.61	2	22.50	21.69	21.46	21.61	2	22.50
		8	4	21.64	21.53	21.56	2	22.50	21.64	21.53	21.56	2	22.50
		8	7	21.65	21.54	21.57	2	22.50	21.65	21.54	21.57	2	22.50
		15	0	21.59	21.54	21.57	2	22.50	21.59	21.54	21.57	2	22.50
	64QAM	1	0	21.73	21.56	22.40	2	22.50	21.73	21.56	22.40	2	22.50
		1	8	21.80	21.59	22.47	2	22.50	21.80	21.59	22.47	2	22.50
		1	14	21.77	21.54	22.34	2	22.50	21.77	21.54	22.34	2	22.50
		8	0	21.47	21.20	21.05	3	21.50	21.47	21.20	21.05	3	21.50
		8	4	21.47	21.28	21.09	3	21.50	21.47	21.28	21.09	3	21.50
		8	7	21.47	21.29	21.10	3	21.50	21.47	21.29	21.10	3	21.50
		15	0	21.50	21.23	21.04	3	21.50	21.50	21.23	21.04	3	21.50

LTE Band 12 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				23017	23095	23173	MPR	Tune-up Limit	23017	23095	23173	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	23.84	23.82	23.77	0	24.50	23.84	23.82	23.77	0	24.50
		1	3	23.83	23.76	23.74	0	24.50	23.83	23.76	23.74	0	24.50
		1	5	23.79	23.79	23.75	0	24.50	23.79	23.79	23.75	0	24.50
		3	0	23.71	23.64	23.65	0	24.50	23.71	23.64	23.65	0	24.50
		3	1	23.69	23.62	23.65	0	24.50	23.69	23.62	23.65	0	24.50
		3	3	23.70	23.60	23.65	0	24.50	23.70	23.60	23.65	0	24.50
		6	0	22.68	22.51	22.60	1	23.50	22.68	22.51	22.60	1	23.50
	16QAM	1	0	23.12	23.06	22.95	1	23.50	23.12	23.06	22.95	1	23.50
		1	3	23.14	23.06	22.87	1	23.50	23.14	23.06	22.87	1	23.50
		1	5	23.09	23.03	22.92	1	23.50	23.09	23.03	22.92	1	23.50
		3	0	22.79	22.76	22.66	1	23.50	22.79	22.76	22.66	1	23.50
		3	1	22.79	22.74	22.67	1	23.50	22.79	22.74	22.67	1	23.50
		3	3	22.78	22.75	22.67	1	23.50	22.78	22.75	22.67	1	23.50
		6	0	21.63	21.64	21.57	2	22.50	21.63	21.64	21.57	2	22.50
	64QAM	1	0	22.00	21.71	22.47	2	22.50	22.00	21.71	22.47	2	22.50
		1	3	22.07	21.66	22.45	2	22.50	22.07	21.66	22.45	2	22.50
		1	5	22.01	21.58	22.46	2	22.50	22.01	21.58	22.46	2	22.50
		3	0	21.64	22.36	22.19	2	22.50	21.64	22.36	22.19	2	22.50
		3	1	21.64	22.37	22.19	2	22.50	21.64	22.37	22.19	2	22.50
		3	3	21.64	22.39	22.22	2	22.50	21.64	22.39	22.22	2	22.50
		6	0	20.52	21.30	21.08	3	21.50	20.52	21.30	21.08	3	21.50

LTE Band 13 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23230	MPR	Tune-up Limit	23230	MPR	Tune-up Limit
				782 MHz			782 MHz		
10 MHz	QPSK	1	0	25.64	0	25.70	25.64	0	25.70
		1	25	25.70	0	25.70	25.70	0	25.70
		1	49	25.50	0	25.70	25.50	0	25.70
		25	0	24.42	1	24.70	24.42	1	24.70
		25	12	24.46	1	24.70	24.46	1	24.70
		25	25	24.40	1	24.70	24.40	1	24.70
		50	0	24.57	1	24.70	24.57	1	24.70
	16QAM	1	0	24.61	1	24.70	24.61	1	24.70
		1	25	24.59	1	24.70	24.59	1	24.70
		1	49	24.52	1	24.70	24.52	1	24.70
		25	0	23.43	2	23.70	23.43	2	23.70
		25	12	23.50	2	23.70	23.50	2	23.70
		25	25	23.59	2	23.70	23.59	2	23.70
		50	0	23.61	2	23.70	23.61	2	23.70
	64QAM	1	0	23.54	2	23.70	23.54	2	23.70
		1	25	23.59	2	23.70	23.59	2	23.70
		1	49	23.69	2	23.70	23.69	2	23.70
		25	0	22.47	3	22.70	22.47	3	22.70
		25	12	22.59	3	22.70	22.59	3	22.70
		25	25	22.67	3	22.70	22.67	3	22.70
		50	0	22.68	3	22.70	22.68	3	22.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23230	MPR	Tune-up Limit	23230	MPR	Tune-up Limit
				782 MHz			782 MHz		
5 MHz	QPSK	1	0	25.45	0	25.70	25.45	0	25.70
		1	12	25.57	0	25.70	25.57	0	25.70
		1	24	25.66	0	25.70	25.66	0	25.70
		12	0	24.45	1	24.70	24.45	1	24.70
		12	7	24.42	1	24.70	24.42	1	24.70
		12	13	24.45	1	24.70	24.45	1	24.70
		25	0	24.48	1	24.70	24.48	1	24.70
	16QAM	1	0	24.67	1	24.70	24.67	1	24.70
		1	12	24.57	1	24.70	24.57	1	24.70
		1	24	24.58	1	24.70	24.58	1	24.70
		12	0	23.36	2	23.70	23.36	2	23.70
		12	7	23.39	2	23.70	23.39	2	23.70
		12	13	23.43	2	23.70	23.43	2	23.70
		25	0	23.50	2	23.70	23.50	2	23.70
	64QAM	1	0	23.58	2	23.70	23.58	2	23.70
		1	12	23.50	2	23.70	23.50	2	23.70
		1	24	23.51	2	23.70	23.51	2	23.70
		12	0	22.38	3	22.70	22.38	3	22.70
		12	7	22.44	3	22.70	22.44	3	22.70
		12	13	22.50	3	22.70	22.50	3	22.70
		25	0	22.51	3	22.70	22.51	3	22.70

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	24.00	0	24.50	24.00	0	24.50
		1	25	24.00	0	24.50	24.00	0	24.50
		1	49	23.91	0	24.50	23.91	0	24.50
		25	0	22.83	1	23.50	22.83	1	23.50
		25	12	23.00	1	23.50	23.00	1	23.50
		25	25	22.89	1	23.50	22.89	1	23.50
		50	0	22.85	1	23.50	22.85	1	23.50
	16QAM	1	0	22.60	1	23.50	22.60	1	23.50
		1	25	23.18	1	23.50	23.18	1	23.50
		1	49	23.18	1	23.50	23.18	1	23.50
		25	0	21.82	2	22.50	21.82	2	22.50
		25	12	21.91	2	22.50	21.91	2	22.50
		25	25	21.96	2	22.50	21.96	2	22.50
		50	0	21.85	2	22.50	21.85	2	22.50
	64QAM	1	0	21.68	2	22.50	21.68	2	22.50
		1	25	22.40	2	22.50	22.40	2	22.50
		1	49	22.48	2	22.50	22.48	2	22.50
		25	0	21.21	3	21.50	21.21	3	21.50
		25	12	21.21	3	21.50	21.21	3	21.50
		25	25	21.14	3	21.50	21.14	3	21.50
		50	0	21.23	3	21.50	21.23	3	21.50

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
5 MHz	QPSK	1	0	23.76	0	24.50	23.76	0	24.50
		1	12	23.73	0	24.50	23.73	0	24.50
		1	24	23.81	0	24.50	23.81	0	24.50
		12	0	22.64	1	23.50	22.64	1	23.50
		12	7	22.72	1	23.50	22.72	1	23.50
		12	13	22.65	1	23.50	22.65	1	23.50
		25	0	22.68	1	23.50	22.68	1	23.50
	16QAM	1	0	23.15	1	23.50	23.15	1	23.50
		1	12	23.17	1	23.50	23.17	1	23.50
		1	24	23.34	1	23.50	23.34	1	23.50
		12	0	21.70	2	22.50	21.70	2	22.50
		12	7	21.76	2	22.50	21.76	2	22.50
		12	13	21.75	2	22.50	21.75	2	22.50
		25	0	21.68	2	22.50	21.68	2	22.50
	64QAM	1	0	22.50	2	22.50	22.50	2	22.50
		1	12	22.48	2	22.50	22.48	2	22.50
		1	24	21.52	2	22.50	21.52	2	22.50
		12	0	21.00	3	21.50	21.00	3	21.50
		12	7	21.11	3	21.50	21.11	3	21.50
		12	13	21.10	3	21.50	21.10	3	21.50
		25	0	21.15	3	21.50	21.15	3	21.50

LTE Band 14 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23330	MPR	Tune-up Limit	23330	MPR	Tune-up Limit
				793 MHz			793 MHz		
10 MHz	QPSK	1	0	25.66	0	25.70	25.66	0	25.70
		1	25	25.70	0	25.70	25.70	0	25.70
		1	49	25.69	0	25.70	25.69	0	25.70
		25	0	24.58	1	24.70	24.58	1	24.70
		25	12	24.60	1	24.70	24.60	1	24.70
		25	25	24.55	1	24.70	24.55	1	24.70
		50	0	24.61	1	24.70	24.61	1	24.70
	16QAM	1	0	24.65	1	24.70	24.65	1	24.70
		1	25	24.63	1	24.70	24.63	1	24.70
		1	49	24.63	1	24.70	24.63	1	24.70
		25	0	23.69	2	23.70	23.69	2	23.70
		25	12	23.62	2	23.70	23.62	2	23.70
		25	25	23.67	2	23.70	23.67	2	23.70
		50	0	23.63	2	23.70	23.63	2	23.70
	64QAM	1	0	23.65	2	23.70	23.65	2	23.70
		1	25	23.63	2	23.70	23.63	2	23.70
		1	49	23.69	2	23.70	23.69	2	23.70
		25	0	22.62	3	22.70	22.62	3	22.70
		25	12	22.69	3	22.70	22.69	3	22.70
		25	25	22.65	3	22.70	22.65	3	22.70
		50	0	22.70	3	22.70	22.70	3	22.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23330	MPR	Tune-up Limit	23330	MPR	Tune-up Limit
				793 MHz			793 MHz		
5 MHz	QPSK	1	0	25.62	0	25.70	25.62	0	25.70
		1	12	25.62	0	25.70	25.62	0	25.70
		1	24	25.63	0	25.70	25.63	0	25.70
		12	0	24.59	1	24.70	24.59	1	24.70
		12	7	24.57	1	24.70	24.57	1	24.70
		12	13	24.55	1	24.70	24.55	1	24.70
		25	0	24.53	1	24.70	24.53	1	24.70
	16QAM	1	0	24.68	1	24.70	24.68	1	24.70
		1	12	24.62	1	24.70	24.62	1	24.70
		1	24	24.69	1	24.70	24.69	1	24.70
		12	0	23.51	2	23.70	23.51	2	23.70
		12	7	23.50	2	23.70	23.50	2	23.70
		12	13	23.52	2	23.70	23.52	2	23.70
		25	0	23.58	2	23.70	23.58	2	23.70
	64QAM	1	0	23.64	2	23.70	23.64	2	23.70
		1	12	23.66	2	23.70	23.66	2	23.70
		1	24	23.69	2	23.70	23.69	2	23.70
		12	0	22.55	3	22.70	22.55	3	22.70
		12	7	22.52	3	22.70	22.52	3	22.70
		12	13	22.51	3	22.70	22.51	3	22.70
		25	0	22.52	3	22.70	22.52	3	22.70

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	23.83	0	24.50	23.83	0	24.50
		1	25	24.00	0	24.50	24.00	0	24.50
		1	49	23.79	0	24.50	23.79	0	24.50
		25	0	22.82	1	23.50	22.82	1	23.50
		25	12	23.00	1	23.50	23.00	1	23.50
		25	25	22.77	1	23.50	22.77	1	23.50
		50	0	23.00	1	23.50	23.00	1	23.50
	16QAM	1	0	23.21	1	23.50	23.21	1	23.50
		1	25	23.30	1	23.50	23.30	1	23.50
		1	49	23.11	1	23.50	23.11	1	23.50
		25	0	21.81	2	22.50	21.81	2	22.50
		25	12	21.93	2	22.50	21.93	2	22.50
		25	25	21.79	2	22.50	21.79	2	22.50
		50	0	21.99	2	22.50	21.99	2	22.50
	64QAM	1	0	21.69	2	22.50	21.69	2	22.50
		1	25	21.62	2	22.50	21.62	2	22.50
		1	49	21.61	2	22.50	21.61	2	22.50
		25	0	21.41	3	21.50	21.41	3	21.50
		25	12	21.36	3	21.50	21.36	3	21.50
		25	25	21.39	3	21.50	21.39	3	21.50
		50	0	21.43	3	21.50	21.43	3	21.50

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
5 MHz	QPSK	1	0	23.74	0	24.50	23.74	0	24.50
		1	12	23.91	0	24.50	23.91	0	24.50
		1	24	23.74	0	24.50	23.74	0	24.50
		12	0	22.66	1	23.50	22.66	1	23.50
		12	7	22.79	1	23.50	22.79	1	23.50
		12	13	22.76	1	23.50	22.76	1	23.50
		25	0	22.86	1	23.50	22.86	1	23.50
	16QAM	1	0	23.19	1	23.50	23.19	1	23.50
		1	12	23.34	1	23.50	23.34	1	23.50
		1	24	23.17	1	23.50	23.17	1	23.50
		12	0	21.64	2	22.50	21.64	2	22.50
		12	7	21.79	2	22.50	21.79	2	22.50
		12	13	21.79	2	22.50	21.79	2	22.50
		25	0	21.77	2	22.50	21.77	2	22.50
	64QAM	1	0	21.82	2	22.50	21.82	2	22.50
		1	12	21.70	2	22.50	21.70	2	22.50
		1	24	21.62	2	22.50	21.62	2	22.50
		12	0	21.30	3	21.50	21.30	3	21.50
		12	7	21.27	3	21.50	21.27	3	21.50
		12	13	21.25	3	21.50	21.25	3	21.50
		25	0	21.35	3	21.50	21.35	3	21.50

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	25.40	25.55	25.40	0	25.70	21.17	21.10	21.15	0	21.25
		1	49	25.46	25.60	25.46	0	25.70	21.20	21.18	21.18	0	21.25
		1	99	25.40	25.46	25.30	0	25.70	21.07	21.15	21.00	0	21.25
		50	0	24.47	24.43	24.23	1	24.70	21.15	21.14	21.11	0	21.25
		50	24	24.51	24.45	24.28	1	24.70	21.17	21.18	21.15	0	21.25
		50	50	24.51	24.44	24.20	1	24.70	21.16	21.08	21.10	0	21.25
		100	0	24.40	24.43	24.34	1	24.70	21.00	21.06	21.00	0	21.25
	16QAM	1	0	24.69	24.65	24.58	1	24.70	21.23	21.12	21.07	0	21.25
		1	49	24.58	24.61	24.67	1	24.70	21.24	21.21	21.00	0	21.25
		1	99	24.67	24.67	24.10	1	24.70	21.12	21.07	21.19	0	21.25
		50	0	23.53	23.48	23.28	2	23.70	21.18	21.11	21.17	0	21.25
		50	24	23.54	23.46	23.48	2	23.70	21.00	21.12	21.02	0	21.25
		50	50	23.54	23.47	23.48	2	23.70	21.00	21.16	21.13	0	21.25
		100	0	23.52	23.45	23.49	2	23.70	21.18	21.15	21.18	0	21.25
	64QAM	1	0	23.64	23.69	23.62	2	23.70	21.17	21.12	21.12	0	21.25
		1	49	23.58	23.54	23.52	2	23.70	21.08	21.18	21.04	0	21.25
		1	99	23.60	23.55	23.50	2	23.70	21.21	21.12	21.02	0	21.25
		50	0	22.54	22.46	22.49	3	22.70	21.18	21.12	21.14	0	21.25
		50	24	22.54	22.48	22.49	3	22.70	21.17	21.13	21.14	0	21.25
		50	50	22.55	22.48	22.44	3	22.70	21.22	21.17	21.15	0	21.25
		100	0	22.53	22.44	22.48	3	22.70	21.18	21.13	21.14	0	21.25

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26115	26365	26615	MPR	Tune-up Limit	26115	26365	26615	MPR	Tune-up Limit
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	25.48	25.53	25.45	0	25.70	21.06	21.18	21.12	0	21.25
		1	37	25.56	25.46	25.38	0	25.70	21.18	21.07	21.07	0	21.25
		1	74	25.55	25.42	25.17	0	25.70	21.14	21.07	21.11	0	21.25
		36	0	24.46	24.41	24.38	1	24.70	21.10	21.02	21.13	0	21.25
		36	20	24.51	24.43	24.37	1	24.70	21.15	21.07	21.09	0	21.25
		36	39	24.50	24.45	24.37	1	24.70	21.13	21.15	21.05	0	21.25
		75	0	24.52	24.43	24.37	1	24.70	21.19	21.15	21.12	0	21.25
	16QAM	1	0	24.65	24.67	24.61	1	24.70	21.19	21.25	21.15	0	21.25
		1	37	24.57	24.60	24.69	1	24.70	21.24	21.19	21.17	0	21.25
		1	74	24.65	24.59	24.30	1	24.70	21.23	21.06	21.14	0	21.25
		36	0	23.52	23.46	23.46	2	23.70	21.15	21.19	21.13	0	21.25
		36	20	23.64	23.49	23.47	2	23.70	21.02	21.03	21.13	0	21.25
		36	39	23.63	23.56	23.44	2	23.70	21.00	21.07	21.17	0	21.25
		75	0	23.60	23.50	23.46	2	23.70	21.00	21.19	21.16	0	21.25
	64QAM	1	0	23.55	23.67	23.59	2	23.70	21.20	21.08	21.14	0	21.25
		1	37	23.59	23.63	23.60	2	23.70	21.08	21.13	21.17	0	21.25
		1	74	23.56	23.64	23.62	2	23.70	21.05	21.18	21.16	0	21.25
		36	0	22.53	22.48	22.48	3	22.70	21.16	21.05	21.00	0	21.25
		36	20	22.60	22.55	22.46	3	22.70	21.24	21.01	21.00	0	21.25
		36	39	22.59	22.55	22.46	3	22.70	21.22	21.02	21.19	0	21.25
		75	0	22.56	22.47	22.42	3	22.70	21.22	21.12	21.09	0	21.25

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	25.49	25.45	25.43	0	25.70	21.16	21.16	21.21	0	21.25
		1	25	25.48	25.40	25.46	0	25.70	21.18	21.12	21.13	0	21.25
		1	49	25.58	25.47	25.25	0	25.70	21.10	21.14	21.11	0	21.25
		25	0	24.41	24.46	24.40	1	24.70	21.12	21.13	21.11	0	21.25
		25	12	24.48	24.43	24.38	1	24.70	21.19	21.10	21.06	0	21.25
		25	25	24.52	24.41	24.30	1	24.70	21.04	21.10	21.00	0	21.25
		50	0	24.46	24.43	24.45	1	24.70	21.00	21.11	21.13	0	21.25
	16QAM	1	0	24.61	24.58	24.65	1	24.70	21.18	21.19	21.02	0	21.25
		1	25	24.59	24.57	24.68	1	24.70	21.15	21.18	21.18	0	21.25
		1	49	24.55	24.69	24.57	1	24.70	21.20	21.18	21.16	0	21.25
		25	0	23.46	23.50	23.51	2	23.70	21.17	21.13	21.16	0	21.25
		25	12	23.50	23.49	23.45	2	23.70	21.20	21.19	21.17	0	21.25
		25	25	23.55	23.48	23.36	2	23.70	21.10	21.20	21.11	0	21.25
		50	0	23.48	23.49	23.43	2	23.70	21.00	21.21	21.18	0	21.25
	64QAM	1	0	23.63	23.63	23.70	2	23.70	21.11	21.17	21.13	0	21.25
		1	25	23.66	23.64	23.62	2	23.70	21.07	21.09	21.09	0	21.25
		1	49	23.61	23.65	23.49	2	23.70	21.17	21.09	21.19	0	21.25
		25	0	22.44	22.49	22.46	3	22.70	21.15	21.00	21.01	0	21.25
		25	12	22.48	22.46	22.49	3	22.70	21.21	21.18	21.00	0	21.25
		25	25	22.54	22.41	22.35	3	22.70	21.05	21.16	21.21	0	21.25
		50	0	22.49	22.43	22.42	3	22.70	21.18	21.13	21.09	0	21.25

LTE Band 25 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26065	26365	26665	MPR	Tune-up Limit	26065	26365	26665	MPR	Tune-up Limit
				1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	25.34	25.35	25.33	0	25.70	21.13	21.15	20.91	0	21.25
		1	12	25.27	25.32	25.24	0	25.70	21.05	21.19	20.81	0	21.25
		1	24	25.34	25.31	25.17	0	25.70	21.18	21.25	20.85	0	21.25
		12	0	24.20	24.25	24.26	1	24.70	21.12	21.20	20.80	0	21.25
		12	7	24.25	24.23	24.17	1	24.70	21.11	21.17	20.77	0	21.25
		12	13	24.30	24.24	24.14	1	24.70	21.21	21.23	20.69	0	21.25
		25	0	24.28	24.26	24.16	1	24.70	21.10	21.22	20.73	0	21.25
	16QAM	1	0	24.68	24.68	24.62	1	24.70	21.18	21.19	21.14	0	21.25
		1	12	24.59	24.63	24.64	1	24.70	21.11	21.13	21.18	0	21.25
		1	24	24.55	24.59	24.63	1	24.70	21.24	21.17	21.06	0	21.25
		12	0	23.30	23.32	23.25	2	23.70	21.11	21.17	20.82	0	21.25
		12	7	23.28	23.28	23.14	2	23.70	21.10	21.03	20.72	0	21.25
		12	13	23.31	23.27	23.11	2	23.70	21.15	21.05	20.69	0	21.25
		25	0	23.22	23.28	23.15	2	23.70	21.10	21.03	20.73	0	21.25
	64QAM	1	0	23.63	23.67	23.65	2	23.70	21.05	21.03	21.16	0	21.25
		1	12	23.59	23.61	23.53	2	23.70	21.19	21.06	21.08	0	21.25
		1	24	23.64	23.67	23.60	2	23.70	21.15	21.10	21.09	0	21.25
		12	0	22.23	22.27	22.32	3	22.70	21.17	21.19	20.80	0	21.25
		12	7	22.22	22.30	22.20	3	22.70	21.09	21.24	20.67	0	21.25
		12	13	22.29	22.29	22.18	3	22.70	21.16	21.22	20.67	0	21.25
		25	0	22.20	22.26	22.20	3	22.70	21.05	21.24	20.68	0	21.25

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	25.23	25.20	25.14	0	25.70	21.06	21.02	21.16	0	21.25
		1	8	25.29	25.24	25.18	0	25.70	21.11	21.25	21.21	0	21.25
		1	14	25.25	25.23	25.09	0	25.70	21.15	21.22	21.08	0	21.25
		8	0	24.15	24.16	24.10	1	24.70	21.05	21.14	21.00	0	21.25
		8	4	24.12	24.14	24.06	1	24.70	21.02	21.13	21.17	0	21.25
		8	7	24.11	24.15	24.07	1	24.70	21.03	21.05	21.19	0	21.25
		15	0	24.17	24.12	24.09	1	24.70	21.05	21.06	21.04	0	21.25
	16QAM	1	0	24.66	24.49	24.38	1	24.70	21.05	21.23	21.23	0	21.25
		1	8	24.69	24.52	24.39	1	24.70	21.23	21.18	21.16	0	21.25
		1	14	24.67	24.47	24.34	1	24.70	21.18	21.19	21.21	0	21.25
		8	0	23.16	23.12	23.05	2	23.70	21.19	21.17	21.04	0	21.25
		8	4	23.13	23.09	23.03	2	23.70	21.04	21.15	21.00	0	21.25
		8	7	23.11	23.16	23.03	2	23.70	21.02	21.16	21.02	0	21.25
		15	0	23.10	23.15	23.02	2	23.70	21.02	21.14	21.18	0	21.25
	64QAM	1	0	23.52	23.40	23.21	2	23.70	21.00	21.15	21.08	0	21.25
		1	8	23.59	23.49	23.37	2	23.70	21.23	21.13	21.18	0	21.25
		1	14	23.36	23.48	23.26	2	23.70	21.24	21.17	21.03	0	21.25
		8	0	22.08	22.11	21.96	3	22.70	21.00	21.12	21.13	0	21.25
		8	4	22.11	22.09	21.92	3	22.70	21.18	21.11	21.14	0	21.25
		8	7	22.12	22.13	21.95	3	22.70	21.17	21.10	21.12	0	21.25
		15	0	22.07	22.10	21.96	3	22.70	21.15	21.08	21.16	0	21.25

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	25.30	25.24	25.10	0	25.70	21.11	21.10	21.04	0	21.25
		1	3	25.30	25.20	25.11	0	25.70	21.09	21.06	21.15	0	21.25
		1	5	25.26	25.26	25.08	0	25.70	21.19	21.04	21.01	0	21.25
		3	0	25.23	25.16	25.06	0	25.70	21.24	21.21	21.12	0	21.25
		3	1	25.19	25.17	25.00	0	25.70	21.15	21.20	21.13	0	21.25
		3	3	25.22	25.17	25.03	0	25.70	21.15	21.21	21.14	0	21.25
		6	0	24.16	24.12	24.01	1	24.70	21.20	21.15	21.06	0	21.25
	16QAM	1	0	24.53	24.61	24.40	1	24.70	21.10	21.08	21.00	0	21.25
		1	3	24.52	24.52	24.35	1	24.70	21.07	21.03	21.06	0	21.25
		1	5	24.56	24.52	24.31	1	24.70	21.06	21.05	21.08	0	21.25
		3	0	24.35	24.31	24.13	1	24.70	21.12	21.06	21.07	0	21.25
		3	1	24.33	24.30	24.03	1	24.70	21.13	21.07	21.08	0	21.25
		3	3	24.36	24.31	24.01	1	24.70	21.13	21.03	21.07	0	21.25
		6	0	23.24	23.20	23.02	2	23.70	21.03	21.06	21.16	0	21.25
	64QAM	1	0	23.65	23.53	23.40	2	23.70	21.21	21.22	21.24	0	21.25
		1	3	23.67	23.52	23.35	2	23.70	21.12	21.07	21.18	0	21.25
		1	5	23.57	23.51	23.37	2	23.70	21.12	21.20	21.24	0	21.25
		3	0	23.37	23.16	23.07	2	23.70	21.11	21.09	21.17	0	21.25
		3	1	23.37	23.16	23.06	2	23.70	21.11	21.00	21.23	0	21.25
		3	3	23.38	23.18	23.07	2	23.70	21.12	21.08	21.07	0	21.25
		6	0	22.19	22.12	22.01	3	22.70	21.25	21.22	21.19	0	21.25

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	21.42	21.51	21.33	0	22.00	18.80	18.77	18.58	0	19.25
		1	49	21.60	21.60	21.50	0	22.00	19.25	19.20	19.20	0	19.25
		1	99	21.60	21.37	21.29	0	22.00	18.90	18.69	18.62	0	19.25
		50	0	21.22	21.38	21.17	0	22.00	18.53	18.68	18.43	0	19.25
		50	24	21.50	21.50	21.50	0	22.00	19.20	19.17	19.19	0	19.25
		50	50	21.46	21.27	21.21	0	22.00	18.77	18.60	18.53	0	19.25
		100	0	21.29	21.50	21.22	0	22.00	18.56	19.16	18.51	0	19.25
	16QAM	1	0	21.91	22.00	21.82	0	22.00	19.23	19.12	18.95	0	19.25
		1	49	21.79	21.92	21.65	0	22.00	19.01	18.92	18.84	0	19.25
		1	99	22.00	21.91	21.76	0	22.00	19.25	19.07	18.98	0	19.25
		50	0	20.67	20.81	20.60	0.5	21.50	18.65	18.70	18.50	0	19.25
		50	24	20.70	20.69	20.57	0.5	21.50	18.63	18.60	18.50	0	19.25
		50	50	20.90	20.70	20.63	0.5	21.50	18.80	18.61	18.60	0	19.25
		100	0	20.70	20.70	20.57	0.5	21.50	18.61	18.57	18.53	0	19.25
	64QAM	1	0	20.88	21.22	21.12	0.5	21.50	19.16	19.25	19.25	0	19.25
		1	49	20.75	21.01	20.96	0.5	21.50	19.02	19.25	19.25	0	19.25
		1	99	20.96	20.96	21.03	0.5	21.50	19.23	19.25	19.25	0	19.25
		50	0	19.77	19.78	19.68	1.5	20.50	19.07	19.09	18.97	0	19.25
		50	24	19.73	19.73	19.70	1.5	20.50	19.01	18.97	18.94	0	19.25
		50	50	19.87	19.69	19.73	1.5	20.50	19.10	18.94	18.96	0	19.25
		100	0	19.74	19.67	19.71	1.5	20.50	19.00	18.96	18.99	0	19.25

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26115	26365	26615	MPR	Tune-up Limit	26115	26365	26615	MPR	Tune-up Limit
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	21.63	21.74	21.53	0	22.00	18.59	18.71	18.49	0	19.25
		1	37	21.54	21.56	21.50	0	22.00	18.47	18.56	18.53	0	19.25
		1	74	21.68	21.57	21.50	0	22.00	18.66	18.58	18.57	0	19.25
		36	0	21.53	21.66	21.45	0	22.00	18.53	18.65	18.45	0	19.25
		36	20	21.57	21.58	21.50	0	22.00	18.50	18.58	18.50	0	19.25
		36	39	21.52	21.54	21.56	0	22.00	18.45	18.58	18.51	0	19.25
		75	0	21.52	21.49	21.53	0	22.00	18.49	18.55	18.48	0	19.25
	16QAM	1	0	21.90	22.00	21.84	0	22.00	18.95	19.12	18.88	0	19.25
		1	37	21.84	21.95	21.88	0	22.00	18.84	18.99	18.92	0	19.25
		1	74	22.00	21.90	21.90	0	22.00	18.95	18.94	18.93	0	19.25
		36	0	20.59	20.74	20.58	0.5	21.50	18.54	18.73	18.46	0	19.25
		36	20	20.62	20.63	20.55	0.5	21.50	18.57	18.65	18.49	0	19.25
		36	39	20.58	20.64	20.61	0.5	21.50	18.52	18.65	18.55	0	19.25
		75	0	20.59	20.59	20.53	0.5	21.50	18.56	18.62	18.50	0	19.25
	64QAM	1	0	21.11	21.07	20.89	0.5	21.50	19.25	19.25	19.14	0	19.25
		1	37	20.97	20.89	20.84	0.5	21.50	19.25	19.10	19.17	0	19.25
		1	74	21.03	20.81	20.89	0.5	21.50	19.25	19.05	19.25	0	19.25
		36	0	19.76	19.79	19.70	1.5	20.50	19.09	19.06	18.99	0	19.25
		36	20	19.72	19.71	19.62	1.5	20.50	19.05	18.96	18.96	0	19.25
		36	39	19.68	19.70	19.71	1.5	20.50	19.00	18.96	19.02	0	19.25
		75	0	19.71	19.63	19.60	1.5	20.50	19.02	18.93	18.95	0	19.25

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	21.67	21.68	21.58	0	22.00	18.65	18.63	18.55	0	19.25
		1	25	21.55	21.56	21.60	0	22.00	18.51	18.51	18.55	0	19.25
		1	49	21.58	21.57	21.51	0	22.00	18.51	18.54	18.62	0	19.25
		25	0	21.61	21.59	21.43	0	22.00	18.59	18.55	18.45	0	19.25
		25	12	21.50	21.56	21.50	0	22.00	18.50	18.52	18.51	0	19.25
		25	25	21.56	21.53	21.52	0	22.00	18.54	18.50	18.51	0	19.25
		50	0	21.51	21.58	21.51	0	22.00	18.50	18.53	18.51	0	19.25
	16QAM	1	0	21.92	22.00	21.93	0	22.00	18.90	19.03	18.92	0	19.25
		1	25	21.87	21.97	21.90	0	22.00	18.80	18.94	18.92	0	19.25
		1	49	21.82	21.93	21.95	0	22.00	18.80	18.95	19.04	0	19.25
		25	0	20.68	20.67	20.51	0.5	21.50	18.62	18.63	18.53	0	19.25
		25	12	20.57	20.62	20.56	0.5	21.50	18.54	18.60	18.58	0	19.25
		25	25	20.62	20.59	20.56	0.5	21.50	18.57	18.58	18.57	0	19.25
		50	0	20.56	20.62	20.58	0.5	21.50	18.55	18.60	18.60	0	19.25
	64QAM	1	0	20.98	21.03	20.89	0.5	21.50	19.25	19.23	19.17	0	19.25
		1	25	20.90	20.94	20.98	0.5	21.50	19.16	19.09	19.19	0	19.25
		1	49	20.94	20.84	20.98	0.5	21.50	19.07	19.15	19.25	0	19.25
		25	0	19.87	19.81	19.65	1.5	20.50	19.05	18.97	18.87	0	19.25
		25	12	19.84	19.77	19.70	1.5	20.50	19.03	18.94	18.92	0	19.25
		25	25	19.81	19.73	19.76	1.5	20.50	19.01	18.91	19.01	0	19.25
		50	0	19.85	19.76	19.73	1.5	20.50	19.04	18.93	18.95	0	19.25

LTE Band 25 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26065	26365	26665	MPR	Tune-up Limit	26065	26365	26665	MPR	Tune-up Limit
				1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	21.57	21.56	21.54	0	22.00	18.52	18.59	18.52	0	19.25
		1	12	21.52	21.52	21.53	0	22.00	18.51	18.53	18.50	0	19.25
		1	24	21.51	21.50	21.48	0	22.00	18.44	18.54	18.54	0	19.25
		12	0	21.49	21.43	21.46	0	22.00	18.43	18.46	18.47	0	19.25
		12	7	21.48	21.40	21.42	0	22.00	18.42	18.43	18.43	0	19.25
		12	13	21.42	21.40	21.43	0	22.00	18.37	18.42	18.46	0	19.25
		25	0	21.45	21.42	21.41	0	22.00	18.40	18.43	18.40	0	19.25
	16QAM	1	0	22.00	21.99	21.99	0	22.00	18.92	18.95	18.94	0	19.25
		1	12	22.00	21.91	21.99	0	22.00	18.89	18.86	18.95	0	19.25
		1	24	21.99	21.90	22.00	0	22.00	18.80	18.86	19.05	0	19.25
		12	0	20.75	20.71	20.69	0.5	21.50	18.44	18.53	18.45	0	19.25
		12	7	20.72	20.71	20.70	0.5	21.50	18.43	18.50	18.42	0	19.25
		12	13	20.64	20.71	20.70	0.5	21.50	18.38	18.48	18.48	0	19.25
		25	0	20.72	20.68	20.65	0.5	21.50	18.45	18.46	18.42	0	19.25
	64QAM	1	0	20.95	20.83	20.99	0.5	21.50	19.22	19.13	19.25	0	19.25
		1	12	20.95	20.79	21.01	0.5	21.50	19.09	19.03	19.25	0	19.25
		1	24	20.95	20.82	20.93	0.5	21.50	19.16	19.05	19.25	0	19.25
		12	0	19.78	19.73	19.68	1.5	20.50	18.83	18.77	18.80	0	19.25
		12	7	19.78	19.64	19.71	1.5	20.50	18.81	18.72	18.83	0	19.25
		12	13	19.75	19.65	19.68	1.5	20.50	18.82	18.74	18.80	0	19.25
		25	0	19.73	19.70	19.71	1.5	20.50	18.79	18.72	18.81	0	19.25

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	21.47	21.38	21.41	0	22.00	18.85	18.70	18.77	0	19.25
		1	8	21.52	21.41	21.49	0	22.00	18.86	18.72	18.83	0	19.25
		1	14	21.46	21.35	21.32	0	22.00	18.80	18.64	18.68	0	19.25
		8	0	21.38	21.32	21.25	0	22.00	18.73	18.62	18.59	0	19.25
		8	4	21.36	21.31	21.25	0	22.00	18.72	18.61	18.58	0	19.25
		8	7	21.36	21.31	21.18	0	22.00	18.72	18.60	18.54	0	19.25
		15	0	21.36	21.30	21.31	0	22.00	18.72	18.60	18.62	0	19.25
	16QAM	1	0	21.74	21.76	21.74	0	22.00	19.17	19.11	19.12	0	19.25
		1	8	21.77	21.82	21.79	0	22.00	19.14	19.10	19.17	0	19.25
		1	14	21.80	21.79	21.63	0	22.00	19.06	19.02	19.06	0	19.25
		8	0	20.63	20.55	20.54	0.5	21.50	18.75	18.60	18.63	0	19.25
		8	4	20.63	20.53	20.54	0.5	21.50	18.71	18.60	18.63	0	19.25
		8	7	20.63	20.56	20.50	0.5	21.50	18.73	18.59	18.58	0	19.25
		15	0	20.58	20.57	20.51	0.5	21.50	18.71	18.59	18.61	0	19.25
	64QAM	1	0	20.91	20.76	20.85	0.5	21.50	19.24	18.92	19.11	0	19.25
		1	8	21.00	20.74	20.88	0.5	21.50	19.19	18.89	19.06	0	19.25
		1	14	20.96	20.67	20.75	0.5	21.50	19.23	18.90	18.99	0	19.25
		8	0	19.61	19.65	19.56	1.5	20.50	18.89	18.63	18.80	0	19.25
		8	4	19.60	19.63	19.53	1.5	20.50	18.88	18.60	18.75	0	19.25
		8	7	19.59	19.64	19.56	1.5	20.50	18.87	18.59	18.75	0	19.25
		15	0	19.53	19.61	19.51	1.5	20.50	18.80	18.58	18.72	0	19.25

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	21.56	21.39	21.45	0	22.00	18.92	18.74	18.81	0	19.25
		1	3	21.54	21.36	21.43	0	22.00	18.88	18.70	18.76	0	19.25
		1	5	21.54	21.38	21.36	0	22.00	18.89	18.73	18.79	0	19.25
		3	0	21.41	21.31	21.23	0	22.00	18.76	18.63	18.58	0	19.25
		3	1	21.40	21.29	21.22	0	22.00	18.74	18.61	18.58	0	19.25
		3	3	21.39	21.30	21.21	0	22.00	18.73	18.62	18.57	0	19.25
		6	0	21.33	21.24	21.21	0	22.00	18.66	18.56	18.58	0	19.25
	16QAM	1	0	21.80	21.63	21.72	0	22.00	19.16	18.92	19.11	0	19.25
		1	3	21.86	21.60	21.77	0	22.00	19.17	18.92	19.15	0	19.25
		1	5	21.81	21.59	21.74	0	22.00	19.15	18.94	19.16	0	19.25
		3	0	21.50	21.38	21.39	0.5	21.50	18.93	18.72	18.76	0	19.25
		3	1	21.50	21.41	21.36	0.5	21.50	18.94	18.72	18.78	0	19.25
		3	3	21.50	21.41	21.34	0.5	21.50	18.92	18.70	18.75	0	19.25
		6	0	20.50	20.50	20.50	0.5	21.50	18.80	18.61	18.53	0	19.25
	64QAM	1	0	20.88	20.81	20.85	0.5	21.50	19.17	19.00	18.99	0	19.25
		1	3	20.94	20.86	20.81	0.5	21.50	19.11	18.99	19.09	0	19.25
		1	5	20.95	20.69	20.72	0.5	21.50	19.16	18.94	18.94	0	19.25
		3	0	20.50	20.48	20.50	1.5	20.50	18.97	18.76	18.73	0	19.25
		3	1	20.50	20.49	20.47	1.5	20.50	18.92	18.74	18.72	0	19.25
		3	3	20.50	20.40	20.43	1.5	20.50	18.94	18.75	18.74	0	19.25
		6	0	19.65	19.50	19.50	1.5	20.50	18.81	18.56	18.67	0	19.25

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	24.60	24.70	24.70	0	25.00	20.19	20.24	20.21	0	20.50
		1	49	24.80	25.00	24.80	0	25.00	20.45	20.26	20.30	0	20.50
		1	99	24.08	24.98	24.67	0	25.00	20.33	20.21	19.98	0	20.50
		50	0	23.07	23.01	23.71	1	24.00	20.28	20.24	19.97	0	20.50
		50	24	23.50	23.50	23.85	1	24.00	20.40	20.25	20.06	0	20.50
		50	50	23.05	23.01	23.82	1	24.00	20.38	20.23	20.03	0	20.50
		100	0	23.01	23.50	23.50	1	24.00	20.10	20.19	20.11	0	20.50
	16QAM	1	0	23.32	23.50	23.30	1	24.00	20.16	20.27	20.16	0	20.50
		1	49	23.39	23.51	23.13	1	24.00	20.27	20.29	20.42	0	20.50
		1	99	23.43	23.42	23.08	1	24.00	20.31	20.18	20.37	0	20.50
		50	0	22.07	22.05	22.78	2	23.00	20.33	20.21	20.02	0	20.50
		50	24	22.10	22.04	22.87	2	23.00	20.32	20.20	20.10	0	20.50
		50	50	22.12	22.02	22.87	2	23.00	20.34	20.20	20.06	0	20.50
		100	0	22.04	22.04	22.85	2	23.00	20.26	20.24	20.11	0	20.50
	64QAM	1	0	22.64	22.92	22.87	2	23.00	19.94	20.17	20.16	0	20.50
		1	49	22.76	22.93	22.76	2	23.00	20.09	20.15	19.96	0	20.50
		1	99	22.82	22.88	22.74	2	23.00	20.06	20.14	20.06	0	20.50
		50	0	21.70	21.62	21.39	3	22.00	20.31	20.21	20.22	0	20.50
		50	24	21.75	21.68	21.48	3	22.00	20.34	20.22	20.28	0	20.50
		50	50	21.79	21.66	21.45	3	22.00	20.38	20.25	20.30	0	20.50
		100	0	21.71	21.65	21.49	3	22.00	20.30	20.28	20.32	0	20.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26115	26365	26615	MPR	Tune-up Limit	26115	26365	26615	MPR	Tune-up Limit
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	24.93	24.94	24.75	0	25.00	20.15	20.16	20.02	0	20.50
		1	37	24.04	24.96	24.91	0	25.00	20.30	20.19	20.19	0	20.50
		1	74	24.08	24.90	24.72	0	25.00	20.37	20.16	20.04	0	20.50
		36	0	23.06	23.96	23.81	1	24.00	20.30	20.25	20.04	0	20.50
		36	20	23.99	23.06	23.90	1	24.00	20.26	20.35	20.13	0	20.50
		36	39	23.07	23.96	23.84	1	24.00	20.31	20.26	20.12	0	20.50
		75	0	23.95	23.99	23.88	1	24.00	20.20	20.26	20.16	0	20.50
	16QAM	1	0	23.15	23.29	23.16	1	24.00	20.40	20.18	20.43	0	20.50
		1	37	23.28	23.27	23.29	1	24.00	20.49	20.22	20.18	0	20.50
		1	74	23.42	23.28	23.09	1	24.00	20.23	20.20	20.40	0	20.50
		36	0	22.13	22.06	22.88	2	23.00	20.30	20.23	20.09	0	20.50
		36	20	22.06	22.15	22.92	2	23.00	20.25	20.34	20.20	0	20.50
		36	39	22.09	22.06	22.87	2	23.00	20.34	20.32	20.07	0	20.50
		75	0	22.02	22.05	22.89	2	23.00	20.29	20.33	20.11	0	20.50
	64QAM	1	0	22.83	22.83	22.60	2	23.00	20.05	20.07	20.19	0	20.50
		1	37	22.91	22.83	22.60	2	23.00	20.20	20.13	20.39	0	20.50
		1	74	22.04	22.82	22.52	2	23.00	20.21	20.02	19.76	0	20.50
		36	0	21.76	21.68	21.44	3	22.00	20.38	20.33	20.27	0	20.50
		36	20	21.72	21.75	21.51	3	22.00	20.33	20.41	20.32	0	20.50
		36	39	21.75	21.66	21.44	3	22.00	20.44	20.34	20.29	0	20.50
		75	0	21.67	21.66	21.47	3	22.00	20.32	20.32	20.26	0	20.50

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	24.98	24.01	24.90	0	25.00	20.24	20.25	20.11	0	20.50
		1	25	24.08	24.03	24.86	0	25.00	20.36	20.30	20.11	0	20.50
		1	49	24.12	24.02	24.71	0	25.00	20.44	20.28	20.01	0	20.50
		25	0	23.00	23.03	23.83	1	24.00	20.29	20.31	20.11	0	20.50
		25	12	23.11	23.03	23.82	1	24.00	20.33	20.32	20.06	0	20.50
		25	25	23.06	23.01	23.78	1	24.00	20.28	20.32	20.07	0	20.50
		50	0	23.06	23.99	23.74	1	24.00	20.29	20.29	20.01	0	20.50
	16QAM	1	0	23.25	23.36	23.26	1	24.00	20.10	20.22	20.46	0	20.50
		1	25	23.32	23.39	23.18	1	24.00	20.18	20.24	20.48	0	20.50
		1	49	23.36	23.37	23.09	1	24.00	20.21	20.16	20.35	0	20.50
		25	0	22.10	22.13	22.91	2	23.00	20.27	20.32	20.13	0	20.50
		25	12	22.15	22.15	22.86	2	23.00	20.35	20.32	20.03	0	20.50
		25	25	22.09	22.11	22.87	2	23.00	20.29	20.31	20.08	0	20.50
		50	0	22.11	22.06	22.84	2	23.00	20.29	20.27	20.00	0	20.50
	64QAM	1	0	22.72	22.81	22.69	2	23.00	20.46	20.09	20.36	0	20.50
		1	25	22.90	22.91	22.71	2	23.00	20.09	20.19	20.39	0	20.50
		1	49	22.89	22.83	22.57	2	23.00	20.19	20.11	20.43	0	20.50
		25	0	21.64	21.69	21.53	3	22.00	20.36	20.34	20.33	0	20.50
		25	12	21.70	21.69	21.49	3	22.00	20.43	20.34	20.29	0	20.50
		25	25	21.68	21.68	21.48	3	22.00	20.39	20.32	20.33	0	20.50
		50	0	21.69	21.63	21.50	3	22.00	20.34	20.25	20.27	0	20.50

LTE Band 25 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26065	26365	26665	MPR	Tune-up Limit	26065	26365	26665	MPR	Tune-up Limit
				1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	24.93	24.06	24.81	0	25.00	20.20	20.35	20.09	0	20.50
		1	12	24.96	24.97	24.76	0	25.00	20.20	20.24	20.11	0	20.50
		1	24	24.06	24.05	24.73	0	25.00	20.33	20.32	20.01	0	20.50
		12	0	23.85	23.98	23.70	1	24.00	20.09	20.25	20.34	0	20.50
		12	7	23.90	23.97	23.72	1	24.00	20.15	20.25	20.36	0	20.50
		12	13	23.98	23.92	23.68	1	24.00	20.24	20.18	20.33	0	20.50
		25	0	23.90	23.92	23.73	1	24.00	20.14	20.16	20.35	0	20.50
	16QAM	1	0	23.33	23.35	23.28	1	24.00	20.22	20.22	20.12	0	20.50
		1	12	23.33	23.31	23.25	1	24.00	20.16	20.15	20.47	0	20.50
		1	24	23.52	23.31	23.14	1	24.00	20.30	20.23	20.49	0	20.50
		12	0	22.84	23.00	22.69	2	23.00	20.12	20.24	20.02	0	20.50
		12	7	22.91	22.99	22.70	2	23.00	20.16	20.24	20.39	0	20.50
		12	13	22.95	22.93	22.66	2	23.00	20.22	20.20	20.37	0	20.50
		25	0	22.89	22.87	22.66	2	23.00	20.17	20.16	20.34	0	20.50
	64QAM	1	0	22.82	22.87	22.76	2	23.00	20.00	20.18	20.02	0	20.50
		1	12	22.81	22.77	22.77	2	23.00	20.08	20.08	20.00	0	20.50
		1	24	22.94	22.79	22.70	2	23.00	20.14	20.13	20.03	0	20.50
		12	0	21.45	21.46	21.29	3	22.00	20.28	20.27	20.10	0	20.50
		12	7	21.52	21.52	21.27	3	22.00	20.28	20.29	20.15	0	20.50
		12	13	21.59	21.44	21.25	3	22.00	20.33	20.41	20.50	0	20.50
		25	0	21.50	21.49	21.28	3	22.00	20.25	20.43	20.14	0	20.50

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	24.80	24.85	24.68	0	25.00	20.14	20.14	20.01	0	20.50
		1	8	24.91	24.84	24.68	0	25.00	20.21	20.13	20.02	0	20.50
		1	14	24.86	24.81	24.57	0	25.00	20.18	20.11	20.29	0	20.50
		8	0	23.73	23.80	23.52	1	24.00	20.02	20.08	20.25	0	20.50
		8	4	23.79	23.79	23.50	1	24.00	20.05	20.09	20.22	0	20.50
		8	7	23.80	23.75	23.49	1	24.00	20.07	20.02	20.20	0	20.50
		15	0	23.81	23.75	23.57	1	24.00	20.05	20.01	20.25	0	20.50
	16QAM	1	0	23.09	23.18	23.03	1	24.00	20.42	20.45	20.37	0	20.50
		1	8	23.13	23.19	23.03	1	24.00	20.44	20.10	20.35	0	20.50
		1	14	23.11	23.14	23.90	1	24.00	20.34	20.50	20.28	0	20.50
		8	0	22.74	22.79	22.52	2	23.00	20.41	20.03	20.29	0	20.50
		8	4	22.78	22.80	22.55	2	23.00	20.01	20.05	20.23	0	20.50
		8	7	22.78	22.74	22.54	2	23.00	20.01	20.37	20.24	0	20.50
		15	0	22.74	22.73	22.54	2	23.00	20.37	20.35	20.44	0	20.50
	64QAM	1	0	22.53	22.67	22.53	2	23.00	20.20	20.00	20.22	0	20.50
		1	8	22.68	22.76	22.50	2	23.00	20.34	20.33	20.20	0	20.50
		1	14	22.64	22.64	22.43	2	23.00	20.35	20.31	20.27	0	20.50
		8	0	21.24	21.44	21.16	3	22.00	20.24	20.41	20.43	0	20.50
		8	4	21.28	21.42	21.10	3	22.00	20.31	20.41	20.36	0	20.50
		8	7	21.29	21.38	21.08	3	22.00	20.30	20.35	20.36	0	20.50
		15	0	21.29	21.31	21.04	3	22.00	20.30	20.28	20.29	0	20.50

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	24.83	24.99	24.66	0	25.00	20.17	20.35	20.03	0	20.50
		1	3	24.83	24.96	24.60	0	25.00	20.15	20.32	20.37	0	20.50
		1	5	24.83	24.96	24.64	0	25.00	20.15	20.27	20.38	0	20.50
		3	0	24.76	24.86	24.54	0	25.00	20.09	20.15	20.32	0	20.50
		3	1	24.76	24.85	24.55	0	25.00	20.08	20.14	20.30	0	20.50
		3	3	24.76	24.76	24.55	0	25.00	20.08	20.06	20.25	0	20.50
		6	0	23.69	23.81	23.47	1	24.00	20.02	20.07	20.20	0	20.50
	16QAM	1	0	23.06	23.38	23.86	1	24.00	20.39	20.22	20.21	0	20.50
		1	3	23.02	23.31	23.83	1	24.00	20.37	20.22	20.15	0	20.50
		1	5	23.06	23.26	23.86	1	24.00	20.34	20.16	20.20	0	20.50
		3	0	23.81	23.99	23.63	1	24.00	20.23	20.28	20.31	0	20.50
		3	1	23.84	23.00	23.60	1	24.00	20.19	20.26	20.28	0	20.50
		3	3	23.81	23.90	23.60	1	24.00	20.12	20.23	20.27	0	20.50
		6	0	22.73	22.77	22.51	2	23.00	20.06	20.04	20.18	0	20.50
	64QAM	1	0	22.66	22.86	22.45	2	23.00	20.34	20.19	20.17	0	20.50
		1	3	22.53	22.90	22.41	2	23.00	20.33	20.22	20.22	0	20.50
		1	5	22.61	22.82	22.36	2	23.00	20.26	20.17	20.16	0	20.50
		3	0	22.44	22.60	22.13	2	23.00	20.33	20.28	20.11	0	20.50
		3	1	22.44	22.59	22.15	2	23.00	20.29	20.27	20.43	0	20.50
		3	3	22.41	22.56	22.15	2	23.00	20.26	20.22	20.42	0	20.50
		6	0	21.31	21.39	21.06	3	22.00	20.19	20.25	20.35	0	20.50

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	17.10	17.32	17.31	0	17.75	18.40	18.57	18.45	0	19.00
		1	49	17.55	17.75	17.65	0	17.75	18.77	18.93	18.90	0	19.00
		1	99	17.25	17.10	17.14	0	17.75	18.52	18.32	18.42	0	19.00
		50	0	16.98	17.30	17.08	0	17.75	18.28	18.50	18.32	0	19.00
		50	24	17.55	17.75	17.75	0	17.75	18.79	18.90	18.97	0	19.00
		50	50	17.15	17.14	17.10	0	17.75	18.42	18.36	18.37	0	19.00
		100	0	17.00	17.75	16.99	0	17.75	18.31	18.85	18.20	0	19.00
	16QAM	1	0	17.48	17.75	17.61	0	17.75	18.79	19.00	18.82	0	19.00
		1	49	17.34	17.74	17.30	0	17.75	18.66	19.00	18.58	0	19.00
		1	99	17.63	17.52	17.51	0	17.75	18.91	18.78	18.74	0	19.00
		50	0	17.00	17.34	17.14	0	17.75	18.26	18.56	18.32	0	19.00
		50	24	17.02	17.33	16.98	0	17.75	18.26	18.52	18.23	0	19.00
		50	50	17.17	17.21	17.17	0	17.75	18.40	18.41	18.40	0	19.00
		100	0	17.01	17.26	17.04	0	17.75	18.25	18.48	18.22	0	19.00
	64QAM	1	0	17.37	17.66	17.69	0	17.75	18.58	18.92	18.92	0	19.00
		1	49	17.25	17.58	17.57	0	17.75	18.50	18.85	18.73	0	19.00
		1	99	17.43	17.57	17.66	0	17.75	18.74	18.81	18.92	0	19.00
		50	0	17.20	17.23	17.30	0	17.75	18.45	18.51	18.53	0	19.00
		50	24	17.20	17.27	17.17	0	17.75	18.49	18.49	18.42	0	19.00
		50	50	17.28	17.24	17.23	0	17.75	18.59	18.42	18.49	0	19.00
		100	0	17.20	17.27	17.21	0	17.75	18.44	18.47	18.48	0	19.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26115	26365	26615	MPR	Tune-up Limit	26115	26365	26615	MPR	Tune-up Limit
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	16.98	17.36	17.16	0	17.75	18.27	18.56	18.31	0	19.00
		1	37	16.85	17.21	17.17	0	17.75	18.13	18.44	18.29	0	19.00
		1	74	17.09	16.96	17.12	0	17.75	18.27	18.23	18.32	0	19.00
		36	0	16.94	17.28	16.86	0	17.75	18.18	18.48	18.12	0	19.00
		36	20	16.93	17.31	17.04	0	17.75	18.14	18.54	18.26	0	19.00
		36	39	16.96	17.13	17.06	0	17.75	18.17	18.36	18.26	0	19.00
		75	0	16.91	17.24	17.07	0	17.75	18.16	18.42	18.28	0	19.00
	16QAM	1	0	17.31	17.75	17.49	0	17.75	18.62	18.98	18.73	0	19.00
		1	37	17.15	17.64	17.47	0	17.75	18.47	18.85	18.70	0	19.00
		1	74	17.39	17.37	17.53	0	17.75	18.62	18.67	18.73	0	19.00
		36	0	16.94	17.34	16.92	0	17.75	18.22	18.52	18.19	0	19.00
		36	20	16.98	17.35	17.11	0	17.75	18.19	18.54	18.29	0	19.00
		36	39	17.00	17.23	17.15	0	17.75	18.22	18.38	18.32	0	19.00
		75	0	16.91	17.33	17.15	0	17.75	18.22	18.44	18.32	0	19.00
	64QAM	1	0	17.58	17.55	17.46	0	17.75	18.81	18.76	18.76	0	19.00
		1	37	17.50	17.48	17.37	0	17.75	18.68	18.71	18.64	0	19.00
		1	74	17.53	17.45	17.44	0	17.75	18.72	18.66	18.68	0	19.00
		36	0	17.24	17.30	17.25	0	17.75	18.44	18.53	18.44	0	19.00
		36	20	17.31	17.30	17.22	0	17.75	18.48	18.57	18.46	0	19.00
		36	39	17.28	17.23	17.22	0	17.75	18.45	18.53	18.45	0	19.00
		75	0	17.27	17.27	17.22	0	17.75	18.51	18.56	18.42	0	19.00

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	17.05	17.26	17.05	0	17.75	18.28	18.49	18.30	0	19.00
		1	25	16.90	17.20	17.12	0	17.75	18.16	18.50	18.36	0	19.00
		1	49	16.92	17.08	17.19	0	17.75	18.20	18.35	18.34	0	19.00
		25	0	16.98	17.24	17.04	0	17.75	18.22	18.53	18.33	0	19.00
		25	12	16.89	17.21	17.03	0	17.75	18.10	18.50	18.32	0	19.00
		25	25	16.90	17.16	17.00	0	17.75	18.09	18.41	18.24	0	19.00
		50	0	16.92	17.18	17.04	0	17.75	18.11	18.43	18.31	0	19.00
	16QAM	1	0	17.38	17.67	17.47	0	17.75	18.55	18.90	18.76	0	19.00
		1	25	17.20	17.61	17.45	0	17.75	18.40	18.87	18.74	0	19.00
		1	49	17.25	17.47	17.66	0	17.75	18.49	18.73	18.71	0	19.00
		25	0	17.08	17.33	17.06	0	17.75	18.32	18.59	18.33	0	19.00
		25	12	16.98	17.32	17.09	0	17.75	18.22	18.56	18.36	0	19.00
		25	25	16.91	17.28	17.07	0	17.75	18.19	18.46	18.24	0	19.00
		50	0	16.97	17.25	17.15	0	17.75	18.20	18.47	18.34	0	19.00
	64QAM	1	0	17.46	17.50	17.40	0	17.75	18.73	18.72	18.58	0	19.00
		1	25	17.34	17.39	17.44	0	17.75	18.66	18.71	18.68	0	19.00
		1	49	17.45	17.39	17.48	0	17.75	18.65	18.70	18.67	0	19.00
		25	0	17.29	17.37	17.17	0	17.75	18.58	18.59	18.42	0	19.00
		25	12	17.20	17.32	17.23	0	17.75	18.47	18.55	18.45	0	19.00
		25	25	17.28	17.29	17.17	0	17.75	18.56	18.53	18.43	0	19.00
		50	0	17.21	17.31	17.19	0	17.75	18.49	18.53	18.43	0	19.00

LTE Band 25 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26065	26365	26665	MPR	Tune-up Limit	26065	26365	26665	MPR	Tune-up Limit
				1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	16.95	17.28	17.06	0	17.75	18.24	18.52	18.32	0	19.00
		1	12	16.91	17.18	16.99	0	17.75	18.18	18.40	18.24	0	19.00
		1	24	16.85	17.20	17.09	0	17.75	18.07	18.39	18.33	0	19.00
		12	0	16.85	17.17	16.94	0	17.75	18.14	18.40	18.21	0	19.00
		12	7	16.84	17.15	16.91	0	17.75	18.13	18.38	18.15	0	19.00
		12	13	16.76	17.10	16.95	0	17.75	18.04	18.30	18.19	0	19.00
		25	0	16.82	17.11	16.91	0	17.75	18.11	18.31	18.15	0	19.00
	16QAM	1	0	17.38	17.59	17.56	0	17.75	18.60	18.84	18.79	0	19.00
		1	12	17.33	17.53	17.51	0	17.75	18.60	18.72	18.73	0	19.00
		1	24	17.24	17.53	17.58	0	17.75	18.48	18.73	18.81	0	19.00
		12	0	16.87	17.16	16.96	0	17.75	18.13	18.41	18.19	0	19.00
		12	7	16.85	17.15	16.93	0	17.75	18.13	18.40	18.14	0	19.00
		12	13	16.78	17.11	16.96	0	17.75	18.01	18.33	18.18	0	19.00
		25	0	16.87	17.10	16.92	0	17.75	18.12	18.31	18.14	0	19.00
	64QAM	1	0	17.47	17.50	17.50	0	17.75	18.60	18.77	18.79	0	19.00
		1	12	17.44	17.38	17.49	0	17.75	18.64	18.67	18.80	0	19.00
		1	24	17.38	17.35	17.59	0	17.75	18.60	18.62	18.84	0	19.00
		12	0	17.14	16.99	17.03	0	17.75	18.31	18.35	18.27	0	19.00
		12	7	17.13	16.99	17.04	0	17.75	18.33	18.30	18.25	0	19.00
		12	13	17.06	16.98	17.06	0	17.75	18.27	18.32	18.26	0	19.00
		25	0	17.09	17.01	17.02	0	17.75	18.30	18.34	18.25	0	19.00

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	16.93	17.17	16.97	0	17.75	18.16	18.36	18.11	0	19.00
		1	8	16.95	17.11	16.99	0	17.75	18.20	18.32	18.20	0	19.00
		1	14	16.89	17.05	16.96	0	17.75	18.14	18.29	18.17	0	19.00
		8	0	16.80	17.09	16.77	0	17.75	18.04	18.30	18.00	0	19.00
		8	4	16.79	17.08	16.78	0	17.75	18.03	18.29	18.09	0	19.00
		8	7	16.81	17.00	16.78	0	17.75	18.05	18.24	18.09	0	19.00
		15	0	16.80	17.00	16.82	0	17.75	18.03	18.24	18.04	0	19.00
	16QAM	1	0	17.21	17.57	17.27	0	17.75	18.49	18.68	18.48	0	19.00
		1	8	17.22	17.48	17.35	0	17.75	18.46	18.66	18.57	0	19.00
		1	14	17.15	17.37	17.31	0	17.75	18.49	18.57	18.49	0	19.00
		8	0	16.83	17.08	16.82	0	17.75	18.06	18.24	18.04	0	19.00
		8	4	16.80	17.06	16.82	0	17.75	18.05	18.24	18.04	0	19.00
		8	7	16.82	17.00	16.82	0	17.75	18.07	18.20	18.05	0	19.00
		15	0	16.77	16.96	16.80	0	17.75	18.03	18.21	18.02	0	19.00
	64QAM	1	0	17.28	17.30	17.25	0	17.75	18.55	18.43	18.44	0	19.00
		1	8	17.38	17.35	17.27	0	17.75	18.58	18.50	18.50	0	19.00
		1	14	17.30	17.25	17.27	0	17.75	18.55	18.41	18.51	0	19.00
		8	0	16.99	17.01	16.87	0	17.75	18.24	18.17	18.12	0	19.00
		8	4	16.98	16.98	16.88	0	17.75	18.24	18.17	18.14	0	19.00
		8	7	16.96	16.98	16.89	0	17.75	18.24	18.13	18.12	0	19.00
		15	0	16.96	16.93	16.82	0	17.75	18.17	18.14	18.08	0	19.00

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	16.97	17.20	17.06	0	17.75	18.21	18.31	18.24	0	19.00
		1	3	16.94	17.16	17.03	0	17.75	18.17	18.28	18.21	0	19.00
		1	5	16.98	17.12	17.02	0	17.75	18.20	18.25	18.23	0	19.00
		3	0	16.82	17.10	16.82	0	17.75	18.04	18.23	18.04	0	19.00
		3	1	16.81	17.10	16.80	0	17.75	18.03	18.23	18.03	0	19.00
		3	3	16.79	17.01	16.81	0	17.75	18.02	18.16	18.04	0	19.00
		6	0	16.83	16.95	16.80	0	17.75	18.06	18.13	18.05	0	19.00
	16QAM	1	0	17.25	17.40	17.33	0	17.75	18.48	18.52	18.55	0	19.00
		1	3	17.23	17.38	17.34	0	17.75	18.45	18.49	18.56	0	19.00
		1	5	17.24	17.35	17.37	0	17.75	18.46	18.47	18.59	0	19.00
		3	0	16.98	17.22	16.98	0	17.75	18.24	18.31	18.23	0	19.00
		3	1	16.95	17.16	16.96	0	17.75	18.22	18.28	18.20	0	19.00
		3	3	16.96	17.07	16.96	0	17.75	18.20	18.22	18.17	0	19.00
		6	0	16.87	17.01	16.76	0	17.75	18.12	18.18	18.07	0	19.00
	64QAM	1	0	17.57	17.38	17.32	0	17.75	18.60	18.75	18.58	0	19.00
		1	3	17.50	17.34	17.29	0	17.75	18.58	18.70	18.49	0	19.00
		1	5	17.65	17.31	17.28	0	17.75	18.63	18.74	18.55	0	19.00
		3	0	17.24	17.08	17.02	0	17.75	18.44	18.46	18.21	0	19.00
		3	1	17.24	17.11	17.04	0	17.75	18.40	18.43	18.25	0	19.00
		3	3	17.27	17.09	17.04	0	17.75	18.39	18.40	18.24	0	19.00
		6	0	17.07	17.05	16.92	0	17.75	18.30	18.20	18.17	0	19.00

LTE Band 26 Measured Results (ANT1)

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	25.25	25.20	25.20	0	25.70	25.25	25.20	25.20	0	25.70
		1	25	25.25	25.25	25.25	0	25.70	25.25	25.25	25.25	0	25.70
		1	49	25.20	25.07	25.24	0	25.70	25.20	25.07	25.24	0	25.70
		25	0	24.26	24.16	24.23	1	24.70	24.26	24.16	24.23	1	24.70
		25	12	24.26	24.27	24.23	1	24.70	24.26	24.27	24.23	1	24.70
		25	25	24.12	24.09	24.19	1	24.70	24.12	24.09	24.19	1	24.70
		50	0	24.16	24.16	24.10	1	24.70	24.16	24.16	24.10	1	24.70
	16QAM	1	0	24.69	24.63	24.63	1	24.70	24.69	24.63	24.63	1	24.70
		1	25	24.44	24.48	24.68	1	24.70	24.44	24.48	24.68	1	24.70
		1	49	24.44	24.52	24.53	1	24.70	24.44	24.52	24.53	1	24.70
		25	0	23.27	23.22	23.29	2	23.70	23.27	23.22	23.29	2	23.70
		25	12	23.18	23.19	23.28	2	23.70	23.18	23.19	23.28	2	23.70
		25	25	23.15	23.10	23.24	2	23.70	23.15	23.10	23.24	2	23.70
		50	0	23.19	23.20	23.27	2	23.70	23.19	23.20	23.27	2	23.70
	64QAM	1	0	23.34	23.06	23.24	2	23.70	23.34	23.06	23.24	2	23.70
		1	25	23.26	23.09	23.15	2	23.70	23.26	23.09	23.15	2	23.70
		1	49	23.32	23.17	23.34	2	23.70	23.32	23.17	23.34	2	23.70
		25	0	22.02	21.95	21.92	3	22.70	22.02	21.95	21.92	3	22.70
		25	12	22.08	21.96	21.83	3	22.70	22.08	21.96	21.83	3	22.70
		25	25	22.12	21.97	21.97	3	22.70	22.12	21.97	21.97	3	22.70
		50	0	22.06	22.00	21.96	3	22.70	22.06	22.00	21.96	3.0	22.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26715	26865	27015	MPR	Tune-up Limit	26715	26865	27015	MPR	Tune-up Limit
				816.5 MHz	831.5 MHz	846.5 MHz			816.5 MHz	831.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	25.41	25.17	25.27	0	25.70	25.41	25.17	25.27	0	25.70
		1	12	25.22	25.15	25.23	0	25.70	25.22	25.15	25.23	0	25.70
		1	24	25.17	25.09	25.21	0	25.70	25.17	25.09	25.21	0	25.70
		12	0	24.26	24.09	24.17	1	24.70	24.26	24.09	24.17	1	24.70
		12	7	24.17	24.07	24.16	1	24.70	24.17	24.07	24.16	1	24.70
		12	13	24.10	24.05	24.13	1	24.70	24.10	24.05	24.13	1	24.70
		25	0	24.15	24.06	24.17	1	24.70	24.15	24.06	24.17	1	24.70
	16QAM	1	0	24.60	24.51	24.51	1	24.70	24.60	24.51	24.51	1	24.70
		1	12	24.62	24.50	24.65	1	24.70	24.62	24.50	24.65	1	24.70
		1	24	24.55	24.40	24.63	1	24.70	24.55	24.40	24.63	1	24.70
		12	0	23.18	23.07	23.18	2	23.70	23.18	23.07	23.18	2	23.70
		12	7	23.17	23.14	23.12	2	23.70	23.17	23.14	23.12	2	23.70
		12	13	23.11	23.14	23.09	2	23.70	23.11	23.14	23.09	2	23.70
		25	0	23.17	23.09	23.09	2	23.70	23.17	23.09	23.09	2	23.70
	64QAM	1	0	23.32	23.19	23.20	2	23.70	23.32	23.19	23.20	2	23.70
		1	12	23.25	23.17	23.26	2	23.70	23.25	23.17	23.26	2	23.70
		1	24	23.25	23.25	23.37	2	23.70	23.25	23.25	23.37	2	23.70
		12	0	21.93	21.84	21.77	3	22.70	21.93	21.84	21.77	3	22.70
		12	7	21.88	21.86	21.77	3	22.70	21.88	21.86	21.77	3	22.70
		12	13	21.98	21.84	21.76	3	22.70	21.98	21.84	21.76	3	22.70
		25	0	21.87	21.87	21.80	3	22.70	21.87	21.87	21.80	3	22.70

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	25.42	25.09	25.23	0	25.70	25.42	25.09	25.23	0	25.70
		1	8	25.38	25.16	25.27	0	25.70	25.38	25.16	25.27	0	25.70
		1	14	25.27	25.09	25.15	0	25.70	25.27	25.09	25.15	0	25.70
		8	0	24.32	24.06	24.08	1	24.70	24.32	24.06	24.08	1	24.70
		8	4	24.23	24.05	24.05	1	24.70	24.23	24.05	24.05	1	24.70
		8	7	24.24	24.05	24.03	1	24.70	24.24	24.05	24.03	1	24.70
		15	0	24.24	24.06	24.11	1	24.70	24.24	24.06	24.11	1	24.70
	16QAM	1	0	24.69	24.47	24.57	1	24.70	24.69	24.47	24.57	1	24.70
		1	8	24.65	24.53	24.55	1	24.70	24.65	24.53	24.55	1	24.70
		1	14	24.53	24.48	24.47	1	24.70	24.53	24.48	24.47	1	24.70
		8	0	23.29	23.00	23.11	2	23.70	23.29	23.00	23.11	2	23.70
		8	4	23.20	22.99	23.07	2	23.70	23.20	22.99	23.07	2	23.70
		8	7	23.18	22.98	23.05	2	23.70	23.18	22.98	23.05	2	23.70
		15	0	23.16	22.96	23.07	2	23.70	23.16	22.96	23.07	2	23.70
	64QAM	1	0	23.24	23.10	23.10	2	23.70	23.24	23.10	23.10	2	23.70
		1	8	23.14	23.13	23.10	2	23.70	23.14	23.13	23.10	2	23.70
		1	14	23.21	23.05	23.18	2	23.70	23.21	23.05	23.18	2	23.70
		8	0	21.90	21.84	21.77	3	22.70	21.90	21.84	21.77	3	22.70
		8	4	21.81	21.82	21.77	3	22.70	21.81	21.82	21.77	3	22.70
		8	7	21.81	21.83	21.84	3	22.70	21.81	21.83	21.84	3	22.70
		15	0	21.81	21.78	21.78	3	22.70	21.81	21.78	21.78	3	22.70

LTE Band 26 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26697	26865	27033	MPR	Tune-up Limit	26697	26865	27033	MPR	Tune-up Limit
				814.7 MHz	831.5 MHz	848.3 MHz			814.7 MHz	831.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	25.51	25.18	25.21	0	25.70	25.51	25.18	25.21	0	25.70
		1	3	25.44	25.16	25.20	0	25.70	25.44	25.16	25.20	0	25.70
		1	5	25.37	25.20	25.22	0	25.70	25.37	25.20	25.22	0	25.70
		3	0	25.40	25.03	25.14	0	25.70	25.40	25.03	25.14	0	25.70
		3	1	25.40	25.03	25.12	0	25.70	25.40	25.03	25.12	0	25.70
		3	3	25.39	25.03	25.12	0	25.70	25.39	25.03	25.12	0	25.70
		6	0	24.34	24.05	24.05	1	24.70	24.34	24.05	24.05	1	24.70
	16QAM	1	0	24.70	24.57	24.44	1	24.70	24.70	24.57	24.44	1	24.70
		1	3	24.68	24.50	24.42	1	24.70	24.68	24.50	24.42	1	24.70
		1	5	24.66	24.51	24.38	1	24.70	24.66	24.51	24.38	1	24.70
		3	0	24.47	24.19	24.12	1	24.70	24.47	24.19	24.12	1	24.70
		3	1	24.47	24.16	24.10	1	24.70	24.47	24.16	24.10	1	24.70
		3	3	24.47	24.17	24.12	1	24.70	24.47	24.17	24.12	1	24.70
		6	0	23.32	22.96	23.05	2	23.70	23.32	22.96	23.05	2	23.70
	64QAM	1	0	23.24	23.07	23.35	2	23.70	23.24	23.07	23.35	2	23.70
		1	3	23.16	23.08	23.39	2	23.70	23.16	23.08	23.39	2	23.70
		1	5	23.09	23.12	23.49	2	23.70	23.09	23.12	23.49	2	23.70
		3	0	23.02	22.82	23.09	2	23.70	23.02	22.82	23.09	2	23.70
		3	1	23.02	22.85	23.10	2	23.70	23.02	22.85	23.10	2	23.70
		3	3	23.02	22.82	23.04	2	23.70	23.02	22.82	23.04	2	23.70
		6	0	21.90	21.75	21.88	3	22.70	21.90	21.75	21.88	3	22.70

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	23.95	23.85	24.00	0	24.50	23.95	23.85	24.00	0	24.50
		1	25	24.00	24.00	24.00	0	24.50	24.00	24.00	24.00	0	24.50
		1	49	23.72	24.00	23.99	0	24.50	23.72	24.00	23.99	0	24.50
		25	0	22.81	22.82	22.92	1	23.50	22.81	22.82	22.92	1	23.50
		25	12	22.85	23.00	22.50	1	23.50	22.85	23.00	22.50	1	23.50
		25	25	22.75	22.80	22.93	1	23.50	22.75	22.80	22.93	1	23.50
		50	0	22.80	23.00	22.87	1	23.50	22.80	23.00	22.87	1	23.50
	16QAM	1	0	23.23	23.20	23.40	1	23.50	23.23	23.20	23.40	1	23.50
		1	25	23.09	23.19	23.25	1	23.50	23.09	23.19	23.25	1	23.50
		1	49	22.95	23.40	23.36	1	23.50	22.95	23.40	23.36	1	23.50
		25	0	21.83	21.87	21.96	2	22.50	21.83	21.87	21.96	2	22.50
		25	12	21.82	21.89	21.91	2	22.50	21.82	21.89	21.91	2	22.50
		25	25	21.75	22.02	21.97	2	22.50	21.75	22.02	21.97	2	22.50
		50	0	21.83	21.96	21.91	2	22.50	21.83	21.96	21.91	2	22.50
	64QAM	1	0	21.83	21.69	22.06	2	22.50	21.83	21.69	22.06	2	22.50
		1	25	21.60	21.70	21.81	2	22.50	21.60	21.70	21.81	2	22.50
		1	49	21.58	21.99	21.98	2	22.50	21.58	21.99	21.98	2	22.50
		25	0	21.49	21.48	20.72	3	21.50	21.49	21.48	20.72	3	21.50
		25	12	21.49	20.53	20.57	3	21.50	21.49	20.53	20.57	3	21.50
		25	25	21.48	20.65	20.52	3	21.50	21.48	20.65	20.52	3	21.50
		50	0	20.51	20.56	20.60	3	21.50	20.51	20.56	20.60	3	21.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26715	26865	27015	MPR	Tune-up Limit	26715	26865	27015	MPR	Tune-up Limit
				816.5 MHz	831.5 MHz	846.5 MHz			816.5 MHz	831.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	23.86	23.84	23.86	0	24.50	23.86	23.84	23.86	0	24.50
		1	12	23.74	23.87	23.90	0	24.50	23.74	23.87	23.90	0	24.50
		1	24	23.78	23.94	23.93	0	24.50	23.78	23.94	23.93	0	24.50
		12	0	22.71	22.74	22.83	1	23.50	22.71	22.74	22.83	1	23.50
		12	7	22.69	22.72	22.85	1	23.50	22.69	22.72	22.85	1	23.50
		12	13	22.68	22.77	22.84	1	23.50	22.68	22.77	22.84	1	23.50
		25	0	22.67	22.79	22.87	1	23.50	22.67	22.79	22.87	1	23.50
	16QAM	1	0	23.25	23.17	23.32	1	23.50	23.25	23.17	23.32	1	23.50
		1	12	23.17	23.21	23.36	1	23.50	23.17	23.21	23.36	1	23.50
		1	24	23.17	23.25	23.36	1	23.50	23.17	23.25	23.36	1	23.50
		12	0	21.65	21.74	21.83	2	22.50	21.65	21.74	21.83	2	22.50
		12	7	21.64	21.72	21.85	2	22.50	21.64	21.72	21.85	2	22.50
		12	13	21.64	21.78	21.81	2	22.50	21.64	21.78	21.81	2	22.50
		25	0	21.66	21.75	21.82	2	22.50	21.66	21.75	21.82	2	22.50
	64QAM	1	0	21.91	21.68	22.01	2	22.50	21.91	21.68	22.01	2	22.50
		1	12	21.76	21.75	21.92	2	22.50	21.76	21.75	21.92	2	22.50
		1	24	21.71	21.87	22.17	2	22.50	21.71	21.87	22.17	2	22.50
		12	0	21.38	21.31	20.52	3	21.50	21.38	21.31	20.52	3	21.50
		12	7	21.44	21.40	21.48	3	21.50	21.44	21.40	21.48	3	21.50
		12	13	21.44	21.43	21.50	3	21.50	21.44	21.43	21.50	3	21.50
		25	0	21.44	21.40	20.51	3	21.50	21.44	21.40	20.51	3	21.50

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	23.86	23.73	23.90	0	24.50	23.86	23.73	23.90	0	24.50
		1	8	23.81	23.84	23.97	0	24.50	23.81	23.84	23.97	0	24.50
		1	14	23.76	23.78	23.89	0	24.50	23.76	23.78	23.89	0	24.50
		8	0	22.74	22.69	22.77	1	23.50	22.74	22.69	22.77	1	23.50
		8	4	22.68	22.67	22.76	1	23.50	22.68	22.67	22.76	1	23.50
		8	7	22.69	22.74	22.76	1	23.50	22.69	22.74	22.76	1	23.50
		15	0	22.70	22.73	22.83	1	23.50	22.70	22.73	22.83	1	23.50
	16QAM	1	0	23.10	23.05	23.26	1	23.50	23.10	23.05	23.26	1	23.50
		1	8	23.06	23.17	23.36	1	23.50	23.06	23.17	23.36	1	23.50
		1	14	23.06	23.15	23.27	1	23.50	23.06	23.15	23.27	1	23.50
		8	0	21.72	21.65	21.79	2	22.50	21.72	21.65	21.79	2	22.50
		8	4	21.63	21.63	21.78	2	22.50	21.63	21.63	21.78	2	22.50
		8	7	21.63	21.67	21.77	2	22.50	21.63	21.67	21.77	2	22.50
		15	0	21.62	21.66	21.79	2	22.50	21.62	21.66	21.79	2	22.50
	64QAM	1	0	21.77	21.63	21.71	2	22.50	21.77	21.63	21.71	2	22.50
		1	8	21.65	21.66	21.87	2	22.50	21.65	21.66	21.87	2	22.50
		1	14	21.61	21.67	21.87	2	22.50	21.61	21.67	21.87	2	22.50
		8	0	21.48	21.35	21.40	3	21.50	21.48	21.35	21.40	3	21.50
		8	4	21.37	21.41	21.46	3	21.50	21.37	21.41	21.46	3	21.50
		8	7	21.36	21.40	21.48	3	21.50	21.36	21.40	21.48	3	21.50
		15	0	21.37	21.36	21.42	3	21.50	21.37	21.36	21.42	3	21.50

LTE Band 26 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26697	26865	27033	MPR	Tune-up Limit	26697	26865	27033	MPR	Tune-up Limit
				814.7 MHz	831.5 MHz	848.3 MHz			814.7 MHz	831.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	23.89	23.83	23.97	0	24.50	23.89	23.83	23.97	0	24.50
		1	3	23.87	23.77	23.90	0	24.50	23.87	23.77	23.90	0	24.50
		1	5	23.81	23.85	23.91	0	24.50	23.81	23.85	23.91	0	24.50
		3	0	23.75	23.74	23.75	0	24.50	23.75	23.74	23.75	0	24.50
		3	1	23.73	23.73	23.73	0	24.50	23.73	23.73	23.73	0	24.50
		3	3	23.73	23.75	23.74	0	24.50	23.73	23.75	23.74	0	24.50
		6	0	22.65	22.72	22.79	1	23.50	22.65	22.72	22.79	1	23.50
	16QAM	1	0	23.19	23.02	23.31	1	23.50	23.19	23.02	23.31	1	23.50
		1	3	23.12	23.03	23.27	1	23.50	23.12	23.03	23.27	1	23.50
		1	5	23.05	23.08	23.26	1	23.50	23.05	23.08	23.26	1	23.50
		3	0	22.85	22.77	22.89	1	23.50	22.85	22.77	22.89	1	23.50
		3	1	22.84	22.77	22.86	1	23.50	22.84	22.77	22.86	1	23.50
		3	3	22.86	22.83	22.85	1	23.50	22.86	22.83	22.85	1	23.50
		6	0	21.76	21.72	21.67	2	22.50	21.76	21.72	21.67	2	22.50
	64QAM	1	0	21.77	21.91	21.90	2	22.50	21.77	21.91	21.90	2	22.50
		1	3	21.86	21.83	21.99	2	22.50	21.86	21.83	21.99	2	22.50
		1	5	21.84	21.83	21.91	2	22.50	21.84	21.83	21.91	2	22.50
		3	0	21.61	21.54	21.62	2	22.50	21.61	21.54	21.62	2	22.50
		3	1	21.61	21.52	21.61	2	22.50	21.61	21.52	21.61	2	22.50
		3	3	21.58	21.54	21.66	2	22.50	21.58	21.54	21.66	2	22.50
		6	0	20.55	21.36	20.55	3	21.50	20.55	21.36	20.55	3	21.50

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	25.68	0	25.70	20.23	0	20.25
		1	25	25.70	0	25.70	20.25	0	20.25
		1	49	25.67	0	25.70	20.17	0	20.25
		25	0	24.60	1	24.70	20.19	0	20.25
		25	12	24.65	1	24.70	20.19	0	20.25
		25	25	24.64	1	24.70	20.11	0	20.25
		50	0	24.66	1	24.70	20.20	0	20.25
	16QAM	1	0	24.65	1	24.70	20.17	0	20.25
		1	25	24.66	1	24.70	20.14	0	20.25
		1	49	24.65	1	24.70	20.10	0	20.25
		25	0	23.68	2	23.70	20.09	0	20.25
		25	12	23.65	2	23.70	20.07	0	20.25
		25	25	23.65	2	23.70	20.21	0	20.25
		50	0	23.68	2	23.70	20.10	0	20.25
	64QAM	1	0	23.61	2	23.70	20.23	0	20.25
		1	25	23.68	2	23.70	20.12	0	20.25
		1	49	23.69	2	23.70	20.11	0	20.25
		25	0	22.61	3	22.70	20.09	0	20.25
		25	12	22.47	3	22.70	20.21	0	20.25
		25	25	22.41	3	22.70	20.17	0	20.25
		50	0	22.56	3	22.70	20.22	0	20.25

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	25.63	0	25.70	20.10	0	20.25
		1	12	25.61	0	25.70	20.07	0	20.25
		1	24	25.58	0	25.70	20.03	0	20.25
		12	0	24.68	1	24.70	20.10	0	20.25
		12	7	24.59	1	24.70	20.03	0	20.25
		12	13	24.58	1	24.70	20.03	0	20.25
		25	0	24.58	1	24.70	20.05	0	20.25
	16QAM	1	0	24.62	1	24.70	20.15	0	20.25
		1	12	24.66	1	24.70	20.13	0	20.25
		1	24	24.69	1	24.70	20.09	0	20.25
		12	0	23.66	2	23.70	20.11	0	20.25
		12	7	23.55	2	23.70	20.05	0	20.25
		12	13	23.55	2	23.70	20.03	0	20.25
		25	0	23.53	2	23.70	20.24	0	20.25
	64QAM	1	0	23.65	2	23.70	20.22	0	20.25
		1	12	23.70	2	23.70	20.16	0	20.25
		1	24	23.64	2	23.70	20.08	0	20.25
		12	0	22.40	3	22.70	20.15	0	20.25
		12	7	22.31	3	22.70	20.10	0	20.25
		12	13	22.40	3	22.70	20.17	0	20.25
		25	0	22.44	3	22.70	20.00	0	20.25

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	20.97	0	21.25	19.70	0	20.00
		1	25	21.20	0	21.25	19.80	0	20.00
		1	49	20.88	0	21.25	19.61	0	20.00
		25	0	20.88	0	21.25	19.55	0	20.00
		25	12	21.00	0	21.25	19.70	0	20.00
		25	25	20.78	0	21.25	19.51	0	20.00
		50	0	21.00	0	21.25	19.52	0	20.00
	16QAM	1	0	21.18	0	21.25	20.00	0	20.00
		1	25	21.01	0	21.25	19.83	0	20.00
		1	49	21.12	0	21.25	19.98	0	20.00
		25	0	20.37	0	21.25	19.63	0	20.00
		25	12	20.35	0	21.25	19.50	0	20.00
		25	25	20.33	0	21.25	19.58	0	20.00
		50	0	20.31	0	21.25	19.58	0	20.00
	64QAM	1	0	20.55	0	21.25	19.68	0	20.00
		1	25	20.38	0	21.25	19.63	0	20.00
		1	49	20.47	0	21.25	19.76	0	20.00
		25	0	19.31	1	20.25	19.34	0	20.00
		25	12	19.43	1	20.25	19.28	0	20.00
		25	25	19.40	1	20.25	19.26	0	20.00
		50	0	19.26	1	20.25	19.32	0	20.00

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	20.75	0	21.25	19.51	0	20.00
		1	12	20.67	0	21.25	19.40	0	20.00
		1	24	20.71	0	21.25	19.46	0	20.00
		12	0	20.65	0	21.25	19.39	0	20.00
		12	7	20.52	0	21.25	19.29	0	20.00
		12	13	20.58	0	21.25	19.31	0	20.00
		25	0	20.61	0	21.25	19.36	0	20.00
	16QAM	1	0	21.20	0	21.25	19.93	0	20.00
		1	12	21.05	0	21.25	19.83	0	20.00
		1	24	21.09	0	21.25	19.92	0	20.00
		12	0	20.38	0	21.25	19.41	0	20.00
		12	7	20.30	0	21.25	19.32	0	20.00
		12	13	20.33	0	21.25	19.34	0	20.00
		25	0	20.33	0	21.25	19.33	0	20.00
	64QAM	1	0	20.74	0	21.25	19.67	0	20.00
		1	12	20.43	0	21.25	19.58	0	20.00
		1	24	20.44	0	21.25	19.66	0	20.00
		12	0	19.59	1	20.25	19.07	0	20.00
		12	7	19.49	1	20.25	19.10	0	20.00
		12	13	19.50	1	20.25	19.02	0	20.00
		25	0	19.51	1	20.25	19.03	0	20.00

LTE Band 30 Measured Results (ANT3)

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	24.30	0	24.50	22.23	0	22.50
		1	25	24.32	0	24.50	22.25	0	22.50
		1	49	24.16	0	24.50	22.02	0	22.50
		25	0	23.32	1	23.50	22.19	0	22.50
		25	12	23.35	1	23.50	22.35	0	22.50
		25	25	23.23	1	23.50	22.07	0	22.50
		50	0	23.20	1	23.50	22.26	0	22.50
	16QAM	1	0	23.06	1	23.50	22.15	0	22.50
		1	25	23.06	1	23.50	22.09	0	22.50
		1	49	23.46	1	23.50	22.19	0	22.50
		25	0	22.35	2	22.50	22.16	0	22.50
		25	12	22.30	2	22.50	22.12	0	22.50
		25	25	22.27	2	22.50	22.08	0	22.50
		50	0	22.25	2	22.50	22.06	0	22.50
	64QAM	1	0	22.46	2	22.50	22.09	0	22.50
		1	25	22.39	2	22.50	22.16	0	22.50
		1	49	22.23	2	22.50	22.25	0	22.50
		25	0	21.26	3	21.50	21.42	1	21.50
		25	12	21.20	3	21.50	21.47	1	21.50
		25	25	21.17	3	21.50	21.45	1	21.50
		50	0	21.16	3	21.50	21.44	1	21.50

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	24.26	0	24.50	22.23	0	22.50
		1	12	24.15	0	24.50	22.10	0	22.50
		1	24	24.19	0	24.50	22.13	0	22.50
		12	0	23.14	1	23.50	22.07	0	22.50
		12	7	23.17	1	23.50	22.10	0	22.50
		12	13	23.07	1	23.50	22.01	0	22.50
		25	0	23.11	1	23.50	22.05	0	22.50
	16QAM	1	0	23.39	1	23.50	22.10	0	22.50
		1	12	23.30	1	23.50	22.05	0	22.50
		1	24	23.35	1	23.50	22.08	0	22.50
		12	0	22.14	2	22.50	22.18	0	22.50
		12	7	22.15	2	22.50	22.17	0	22.50
		12	13	22.06	2	22.50	22.12	0	22.50
		25	0	22.04	2	22.50	22.09	0	22.50
	64QAM	1	0	22.40	2	22.50	22.07	0	22.50
		1	12	22.26	2	22.50	22.20	0	22.50
		1	24	22.33	2	22.50	22.22	0	22.50
		12	0	21.24	3	21.50	21.42	1	21.50
		12	7	21.22	3	21.50	21.36	1	21.50
		12	13	21.13	3	21.50	21.36	1	21.50
		25	0	21.20	3	21.50	21.37	1	21.50

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	17.09	0	17.75	18.36	0	19.00
		1	25	17.70	0	17.75	18.70	0	19.00
		1	49	17.24	0	17.75	18.38	0	19.00
		25	0	17.11	0	17.75	18.37	0	19.00
		25	12	17.63	0	17.75	18.75	0	19.00
		25	25	17.04	0	17.75	18.30	0	19.00
		50	0	17.65	0	17.75	18.68	0	19.00
	16QAM	1	0	17.42	0	17.75	18.69	0	19.00
		1	25	17.38	0	17.75	18.62	0	19.00
		1	49	17.47	0	17.75	18.74	0	19.00
		25	0	17.12	0	17.75	18.40	0	19.00
		25	12	17.06	0	17.75	18.33	0	19.00
		25	25	17.09	0	17.75	18.34	0	19.00
		50	0	17.03	0	17.75	18.27	0	19.00
	64QAM	1	0	17.58	0	17.75	18.60	0	19.00
		1	25	17.35	0	17.75	18.58	0	19.00
		1	49	17.27	0	17.75	18.50	0	19.00
		25	0	17.26	0	17.75	18.11	0	19.00
		25	12	17.20	0	17.75	18.16	0	19.00
		25	25	17.19	0	17.75	18.15	0	19.00
		50	0	17.25	0	17.75	18.12	0	19.00

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	17.02	0	17.75	18.28	0	19.00
		1	12	16.81	0	17.75	18.11	0	19.00
		1	24	16.94	0	17.75	18.25	0	19.00
		12	0	16.82	0	17.75	18.09	0	19.00
		12	7	16.87	0	17.75	18.11	0	19.00
		12	13	16.88	0	17.75	18.17	0	19.00
		25	0	16.79	0	17.75	18.07	0	19.00
	16QAM	1	0	17.43	0	17.75	18.72	0	19.00
		1	12	17.24	0	17.75	18.58	0	19.00
		1	24	17.36	0	17.75	18.68	0	19.00
		12	0	16.88	0	17.75	18.13	0	19.00
		12	7	16.89	0	17.75	18.16	0	19.00
		12	13	16.93	0	17.75	18.20	0	19.00
		25	0	16.77	0	17.75	18.05	0	19.00
	64QAM	1	0	17.40	0	17.75	18.71	0	19.00
		1	12	17.29	0	17.75	18.57	0	19.00
		1	24	17.39	0	17.75	18.54	0	19.00
		12	0	16.99	0	17.75	18.52	0	19.00
		12	7	16.95	0	17.75	18.47	0	19.00
		12	13	16.95	0	17.75	18.45	0	19.00
		25	0	16.97	0	17.75	18.50	0	19.00

LTE Band 41 Power Class 3 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
20 MHz	QPSK	1	0	25.27	25.27	25.26	25.28	25.13	0	25.70	23.15	23.08	23.06	23.12	23.15	0	23.25
		1	49	25.30	25.40	25.50	25.40	25.30	0	25.70	23.20	23.15	23.20	23.15	23.22	0	23.25
		1	99	25.24	25.18	25.23	25.19	25.08	0	25.70	23.10	23.14	23.06	23.14	23.20	0	23.25
		50	0	24.21	24.26	24.27	24.23	24.11	1	24.70	23.13	23.02	23.05	23.15	23.02	0	23.25
		50	24	24.30	24.40	24.50	24.40	24.30	1	24.70	23.20	23.12	23.20	23.16	23.08	0	23.25
		50	50	24.18	24.18	24.24	24.20	24.05	1	24.70	23.00	23.11	23.02	23.11	23.04	0	23.25
		100	0	24.19	24.16	24.23	24.19	24.05	1	24.70	23.00	23.00	23.01	23.00	23.00	0	23.25
	16QAM	1	0	24.37	24.45	24.37	24.35	24.33	1	24.70	23.12	23.24	23.10	23.24	23.03	0	23.25
		1	49	24.31	24.35	24.29	24.31	24.25	1	24.70	23.09	23.09	23.18	23.03	23.23	0	23.25
		1	99	24.38	24.36	24.28	24.28	24.27	1	24.70	23.20	23.11	23.17	23.07	23.17	0	23.25
		50	0	23.27	23.29	23.29	23.30	23.16	2	23.70	23.12	23.10	23.12	23.09	23.21	0	23.25
		50	24	23.24	23.22	23.27	23.27	23.11	2	23.70	23.12	23.19	23.09	23.06	23.15	0	23.25
		50	50	23.26	23.21	23.26	23.27	23.09	2	23.70	23.11	23.18	23.07	22.97	23.10	0	23.25
		100	0	23.24	23.18	23.24	23.25	23.08	2	23.70	23.10	23.16	23.07	23.03	23.11	0	23.25
	64QAM	1	0	23.42	23.29	23.06	23.11	23.18	2	23.70	23.18	23.14	23.06	23.18	23.24	0	23.25
		1	49	23.24	23.22	23.01	23.05	23.15	2	23.70	23.12	23.18	23.04	23.14	23.17	0	23.25
		1	99	23.29	23.19	23.00	23.02	23.15	2	23.70	23.23	23.01	23.08	23.13	23.16	0	23.25
		50	0	22.31	22.25	22.10	22.05	22.09	3	22.70	22.37	22.27	22.36	22.28	22.46	0.55	22.70
		50	24	22.28	22.18	22.06	22.03	22.08	3	22.70	22.65	22.49	22.63	22.55	22.31	0.55	22.70
		50	50	22.32	22.14	22.05	22.08	22.09	3	22.70	22.64	22.49	22.61	22.47	22.28	0.55	22.70
		100	0	22.22	22.14	22.04	22.00	22.05	3	22.70	22.60	22.48	22.61	22.50	22.28	0.55	22.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
15 MHz	QPSK	1	0	25.26	25.26	25.29	25.22	25.09	0	25.70	23.13	23.01	23.05	23.05	23.22	0	23.25
		1	37	25.25	25.12	25.19	25.19	25.07	0	25.70	23.03	23.14	23.04	23.19	23.21	0	23.25
		1	74	25.19	25.10	25.17	25.18	25.01	0	25.70	23.05	23.18	23.08	23.07	23.14	0	23.25
		36	0	24.28	24.22	24.21	24.21	24.08	1	24.70	23.09	23.00	23.08	23.21	22.96	0	23.25
		36	20	24.29	24.14	24.23	24.21	24.07	1	24.70	23.04	23.15	23.09	23.19	23.04	0	23.25
		36	39	24.27	24.13	24.20	24.20	24.04	1	24.70	23.03	23.12	23.07	23.10	23.01	0	23.25
		75	0	24.24	24.10	24.18	24.19	24.04	1	24.70	23.03	23.12	23.06	23.17	23.02	0	23.25
	16QAM	1	0	24.26	24.13	24.31	24.20	24.03	1	24.70	23.17	23.21	23.06	23.16	23.01	0	23.25
		1	37	24.25	24.03	24.24	24.19	23.98	1	24.70	23.00	23.12	23.04	23.19	23.14	0	23.25
		1	74	24.29	24.06	24.25	24.17	23.91	1	24.70	23.11	23.07	23.04	23.07	23.03	0	23.25
		36	0	23.30	23.27	23.32	23.24	23.12	2	23.70	23.12	23.03	23.10	23.04	23.20	0	23.25
		36	20	23.30	23.26	23.32	23.29	23.10	2	23.70	23.07	23.16	23.09	23.05	23.17	0	23.25
		36	39	23.29	23.23	23.30	23.27	23.07	2	23.70	23.05	23.13	23.06	23.15	23.20	0	23.25
		75	0	23.27	23.22	23.29	23.25	23.07	2	23.70	23.05	23.13	23.06	23.01	23.18	0	23.25
	64QAM	1	0	23.43	23.18	23.14	23.05	23.05	2	23.70	23.19	23.04	23.14	23.02	23.14	0	23.25
		1	37	23.24	23.09	23.08	23.03	23.00	2	23.70	23.04	22.96	23.09	23.19	23.15	0	23.25
		1	74	23.28	23.03	23.09	23.05	22.93	2	23.70	23.12	22.95	23.14	23.06	23.12	0	23.25
		36	0	22.36	22.24	22.08	22.06	22.06	3	22.70	22.39	22.25	22.36	22.42	22.45	0.55	22.70
		36	20	22.28	22.22	22.06	22.06	22.08	3	22.70	22.62	22.51	22.66	22.60	22.29	0.55	22.70
		36	39	22.25	22.21	22.04	22.10	22.09	3	22.70	22.61	22.50	22.66	22.53	22.25	0.55	22.70
		75	0	22.24	22.16	22.03	22.03	22.04	3	22.70	22.59	22.49	22.63	22.56	22.26	0.55	22.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	25.21	25.24	25.20	25.20	25.08	0	25.70	23.10	23.07	23.13	23.08	23.24	0	23.25
		1	25	25.21	25.14	25.18	25.18	25.06	0	25.70	23.01	23.07	23.03	23.16	23.15	0	23.25
		1	49	25.24	25.16	25.20	25.21	25.07	0	25.70	23.07	23.09	23.07	23.25	23.11	0	23.25
		25	0	24.26	24.15	24.20	24.22	24.08	1	24.70	23.13	23.00	23.05	23.22	23.02	0	23.25
		25	12	24.25	24.14	24.17	24.21	24.05	1	24.70	23.04	23.18	23.03	23.19	23.08	0	23.25
		25	25	24.25	24.15	24.18	24.21	24.05	1	24.70	23.04	23.18	23.03	23.13	23.07	0	23.25
		50	0	24.27	24.16	24.19	24.21	24.07	1	24.70	23.06	23.18	23.05	23.19	23.00	0	23.25
	16QAM	1	0	24.32	24.20	24.20	24.31	24.00	1	24.70	23.18	23.16	23.07	23.09	23.07	0	23.25
		1	25	24.28	24.07	24.18	24.29	24.02	1	24.70	23.09	23.17	23.00	23.05	23.03	0	23.25
		1	49	24.33	24.07	24.17	24.28	23.99	1	24.70	23.15	23.23	22.99	23.02	23.00	0	23.25
		25	0	23.26	23.19	23.25	23.27	23.11	2	23.70	23.15	23.04	23.12	23.05	23.15	0	23.25
		25	12	23.26	23.18	23.29	23.26	23.08	2	23.70	23.08	23.01	23.13	23.03	23.13	0	23.25
		25	25	23.33	23.17	23.30	23.25	23.07	2	23.70	23.09	23.01	23.12	23.21	23.18	0	23.25
		50	0	23.33	23.18	23.30	23.24	23.11	2	23.70	23.10	23.02	23.14	23.02	23.24	0	23.25
	64QAM	1	0	23.24	23.18	23.12	23.03	23.08	2	23.70	23.03	23.05	23.18	23.04	23.12	0	23.25
		1	25	23.23	23.11	22.99	23.02	23.04	2	23.70	23.17	23.14	23.08	23.00	23.19	0	23.25
		1	49	23.34	23.06	23.07	23.07	23.08	2	23.70	23.08	23.12	23.14	22.96	23.15	0	23.25
		25	0	22.33	22.15	22.06	22.07	22.10	3	22.70	22.26	22.31	22.33	22.26	22.40	0.55	22.70
		25	12	22.27	22.15	22.03	22.05	22.09	3	22.70	22.50	22.39	22.61	22.54	22.27	0.55	22.70
		25	25	22.28	22.16	22.05	22.09	22.10	3	22.70	22.52	22.40	22.61	22.49	22.26	0.55	22.70
		50	0	22.28	22.16	22.05	22.04	22.10	3	22.70	22.51	22.38	22.62	22.55	22.28	0.55	22.70

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

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
5 MHz	QPSK	1	0	25.20	25.09	25.20	25.21	25.01	0	25.70	23.11	23.15	23.06	23.24	23.11	0	23.25
		1	12	25.19	25.06	25.12	25.16	24.97	0	25.70	23.18	23.12	23.23	23.23	23.11	0	23.25
		1	24	25.23	25.10	25.16	25.18	25.01	0	25.70	23.02	23.15	23.06	23.22	23.24	0	23.25
		12	0	24.15	24.01	24.04	24.12	23.94	1	24.70	23.12	23.06	23.18	23.10	23.08	0	23.25
		12	7	24.13	24.02	24.02	24.10	23.92	1	24.70	23.12	23.04	23.17	23.09	23.05	0	23.25
		12	13	24.13	23.97	24.05	24.10	23.91	1	24.70	23.12	23.04	23.16	23.09	23.04	0	23.25
		25	0	24.13	23.98	24.07	24.10	23.92	1	24.70	23.15	23.06	23.16	23.11	23.07	0	23.25
	16QAM	1	0	24.22	24.09	24.33	24.19	23.97	1	24.70	23.10	23.08	23.05	23.14	23.03	0	23.25
		1	12	24.19	24.05	24.28	24.15	23.94	1	24.70	23.03	23.18	23.01	23.18	23.19	0	23.25
		1	24	24.27	24.04	24.39	24.19	24.00	1	24.70	23.12	23.03	23.06	23.10	23.20	0	23.25
		12	0	23.08	23.00	23.11	23.12	22.92	2	23.70	23.12	23.01	23.13	23.11	23.00	0	23.25
		12	7	23.13	22.99	23.08	23.11	22.89	2	23.70	23.15	23.05	23.13	23.08	23.00	0	23.25
		12	13	23.16	23.05	23.10	23.10	22.89	2	23.70	23.15	23.04	23.13	23.09	23.01	0	23.25
		25	0	23.14	23.07	23.08	23.11	22.90	2	23.70	23.11	23.03	23.12	23.09	23.09	0	23.25
	64QAM	1	0	23.32	23.19	23.08	22.99	23.12	2	23.70	23.03	23.17	23.06	23.16	23.14	0	23.25
		1	12	23.21	23.19	23.06	22.95	23.09	2	23.70	23.20	23.12	23.17	23.00	23.24	0	23.25
		1	24	23.21	23.20	23.08	23.05	23.09	2	23.70	23.21	23.20	23.17	23.24	23.17	0	23.25
		12	0	22.05	22.03	21.95	21.79	21.93	3	22.70	22.49	22.45	22.49	22.39	22.26	0.55	22.70
		12	7	22.05	22.03	21.91	21.81	21.91	3	22.70	22.48	22.40	22.51	22.41	22.27	0.55	22.70
		12	13	22.03	22.03	21.92	21.81	21.90	3	22.70	22.47	22.40	22.51	22.37	22.26	0.55	22.70
		25	0	22.08	22.07	21.89	21.84	21.94	3	22.70	22.49	22.39	22.54	22.41	22.47	0.55	22.70

LTE Band 41 Power Class 3 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
20 MHz	QPSK	1	0	21.01	21.17	21.00	21.20	21.18	0	21.50	23.15	23.10	22.87	22.87	22.97	0	23.25
		1	49	21.20	21.23	21.45	21.42	21.48	0	21.50	23.20	23.15	23.25	22.90	23.10	0	23.25
		1	99	21.18	21.04	21.10	21.20	21.07	0	21.50	23.11	22.93	23.08	22.85	22.80	0	23.25
		50	0	21.19	21.19	21.16	21.17	21.14	0	21.50	21.86	21.77	21.65	21.63	21.69	1	22.25
		50	24	21.22	21.20	21.45	21.23	21.35	0	21.50	22.20	22.00	21.95	21.65	21.80	1	22.25
		50	50	21.14	21.15	21.04	21.21	21.15	0	21.50	21.80	21.65	21.70	21.59	21.53	1	22.25
		100	0	21.16	21.17	21.30	21.24	21.08	0	21.50	21.79	21.65	21.75	21.60	21.54	1	22.25
	16QAM	1	0	21.22	21.23	21.17	21.21	21.16	0	21.50	21.88	21.95	21.67	21.77	21.86	1	22.25
		1	49	21.17	21.10	21.20	21.21	21.16	0	21.50	21.77	21.86	21.78	21.73	21.67	1	22.25
		1	99	21.22	21.21	21.19	21.16	21.14	0	21.50	21.92	21.86	21.92	21.73	21.63	1	22.25
		50	0	21.21	21.23	21.04	21.02	21.02	0.25	21.25	20.93	20.83	20.68	20.69	20.70	2	21.25
		50	24	21.18	21.11	21.11	21.11	21.01	0.25	21.25	20.90	20.73	20.74	20.65	20.59	2	21.25
		50	50	21.19	21.19	21.06	21.21	21.09	0.25	21.25	20.88	20.71	20.80	20.65	20.56	2	21.25
		100	0	21.17	21.19	21.00	21.09	21.18	0.25	21.25	20.88	20.69	20.72	20.63	20.56	2	21.25
	64QAM	1	0	21.19	21.16	21.23	21.23	21.14	0.25	21.25	20.69	20.78	20.49	20.51	20.66	2	21.25
		1	49	21.12	21.17	21.23	21.22	21.12	0.25	21.25	20.62	20.60	20.48	20.51	20.46	2	21.25
		1	99	21.18	21.05	21.23	21.20	21.23	0.25	21.25	20.69	20.61	20.61	20.55	20.53	2	21.25
		50	0	20.19	20.17	20.05	20.16	20.20	1.25	20.25	19.71	19.57	19.50	19.54	19.55	3	20.25
		50	24	20.14	20.10	20.06	20.12	20.10	1.25	20.25	19.66	19.50	19.54	19.50	19.49	3	20.25
		50	50	20.14	20.06	20.07	20.10	20.11	1.25	20.25	19.61	19.46	19.61	19.49	19.52	3	20.25
		100	0	20.11	20.04	20.02	20.05	20.05	1.25	20.25	19.63	19.46	19.53	19.46	19.43	3	20.25

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
15 MHz	QPSK	1	0	21.23	21.23	21.15	21.18	21.24	0	21.50	23.08	23.02	22.80	22.91	22.94	0	23.25
		1	37	21.20	21.17	21.16	21.04	21.10	0	21.50	23.05	22.86	22.90	22.88	22.80	0	23.25
		1	74	21.17	21.05	21.15	21.00	21.16	0	21.50	23.02	22.82	23.01	22.83	22.74	0	23.25
		36	0	21.06	21.07	21.22	21.22	21.15	0	21.50	21.84	21.71	21.59	21.63	21.62	1	22.25
		36	20	21.06	21.04	21.17	21.22	21.06	0	21.50	21.84	21.65	21.70	21.58	21.55	1	22.25
		36	39	21.00	21.05	21.21	21.21	21.05	0	21.50	21.82	21.63	21.74	21.56	21.52	1	22.25
		75	0	21.17	21.16	21.13	21.19	21.03	0	21.50	21.83	21.63	21.67	21.54	21.53	1	22.25
	16QAM	1	0	21.23	21.14	21.05	21.20	21.21	0	21.50	21.78	21.76	21.56	21.56	21.68	1	22.25
		1	37	21.22	21.24	21.15	21.12	21.23	0	21.50	21.72	21.65	21.65	21.55	21.52	1	22.25
		1	74	21.21	21.02	21.15	21.14	21.06	0	21.50	21.70	21.60	21.77	21.54	21.49	1	22.25
		36	0	21.19	21.05	21.22	21.09	21.23	0.25	21.25	20.89	20.78	20.63	20.67	20.65	2	21.25
		36	20	21.19	21.03	21.23	21.08	21.16	0.25	21.25	20.88	20.73	20.70	20.66	20.56	2	21.25
		36	39	21.17	21.23	21.19	21.06	21.19	0.25	21.25	20.85	20.72	20.77	20.65	20.54	2	21.25
		75	0	21.16	21.23	21.11	21.05	21.16	0.25	21.25	20.86	20.71	20.68	20.63	20.53	2	21.25
	64QAM	1	0	21.09	21.10	21.24	21.12	21.02	0.25	21.25	20.80	20.54	20.56	20.61	20.50	2	21.25
		1	37	21.04	21.22	21.16	21.12	21.03	0.25	21.25	20.73	20.43	20.64	20.56	20.30	2	21.25
		1	74	21.18	21.16	21.20	21.00	21.00	0.25	21.25	20.66	20.33	20.66	20.51	20.42	2	21.25
		36	0	20.13	20.00	20.07	20.03	20.05	1.25	20.25	20.23	20.10	20.07	20.13	20.15	3	20.25
		36	20	20.11	20.02	20.08	20.09	20.00	1.25	20.25	20.21	20.12	20.08	20.19	20.10	3	20.25
		36	39	20.09	20.08	20.07	20.06	20.05	1.25	20.25	20.19	20.08	20.07	20.16	20.15	3	20.25
		75	0	20.07	20.03	20.03	20.00	20.08	1.25	20.25	20.17	20.03	20.03	20.10	20.08	3	20.25

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	21.22	21.16	21.08	21.07	21.11	0	21.50	23.11	22.99	22.90	22.89	22.86	0	23.25
		1	25	21.18	21.01	21.04	21.03	21.08	0	21.50	23.03	22.86	22.88	22.87	22.75	0	23.25
		1	49	21.20	21.03	21.15	21.04	21.01	0	21.50	23.06	22.89	22.99	22.86	22.76	0	23.25
		25	0	21.08	21.09	21.05	21.05	21.19	0	21.50	21.78	21.67	21.57	21.60	21.56	1	22.25
		25	12	21.07	21.07	21.08	21.03	21.16	0	21.50	21.76	21.66	21.65	21.61	21.53	1	22.25
		25	25	21.07	21.08	21.07	21.04	21.17	0	21.50	21.77	21.65	21.67	21.60	21.52	1	22.25
		50	0	21.09	21.09	21.06	21.04	21.18	0	21.50	21.79	21.66	21.66	21.59	21.54	1	22.25
	16QAM	1	0	21.21	21.02	21.15	21.06	21.17	0	21.50	21.77	21.89	21.61	21.66	21.73	1	22.25
		1	25	21.15	21.16	21.20	21.14	21.14	0	21.50	21.67	21.80	21.64	21.63	21.57	1	22.25
		1	49	21.18	21.16	21.10	21.13	21.18	0	21.50	21.76	21.81	21.71	21.63	21.58	1	22.25
		25	0	21.24	21.11	21.05	21.09	21.01	0.25	21.25	20.84	20.77	20.60	20.68	20.58	2	21.25
		25	12	21.23	21.09	21.16	21.07	21.07	0.25	21.25	20.82	20.76	20.67	20.66	20.56	2	21.25
		25	25	21.07	21.09	21.16	21.05	21.07	0.25	21.25	20.82	20.75	20.67	20.66	20.56	2	21.25
		50	0	21.07	21.12	21.16	21.03	21.00	0.25	21.25	20.84	20.76	20.68	20.69	20.56	2	21.25
	64QAM	1	0	21.13	21.11	21.16	21.17	21.17	0.25	21.25	20.79	20.63	20.42	20.65	20.57	2	21.25
		1	25	21.20	21.05	21.15	21.18	21.08	0.25	21.25	20.70	20.50	20.47	20.60	20.38	2	21.25
		1	49	21.20	21.02	21.12	21.18	21.10	0.25	21.25	20.71	20.51	20.56	20.63	20.43	2	21.25
		25	0	20.15	20.14	20.02	20.11	20.11	1.25	20.25	19.71	19.46	19.52	19.53	19.50	3	20.25
		25	12	20.10	20.13	20.02	20.07	20.07	1.25	20.25	19.69	19.44	19.51	19.48	19.47	3	20.25
		25	25	20.14	20.11	20.03	20.06	20.11	1.25	20.25	19.75	19.44	19.62	19.47	19.51	3	20.25
		50	0	20.17	20.15	20.02	20.06	20.10	1.25	20.25	19.78	19.43	19.52	19.54	19.46	3	20.25

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

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
5 MHz	QPSK	1	0	21.16	21.11	21.09	21.11	21.05	0	21.50	23.04	22.86	22.78	22.82	22.78	0	23.25
		1	12	21.23	21.04	21.05	21.04	21.11	0	21.50	23.00	22.82	22.85	22.78	22.74	0	23.25
		1	24	21.24	21.05	21.07	21.04	21.03	0	21.50	23.04	22.84	22.87	22.84	22.76	0	23.25
		12	0	21.09	21.06	21.00	21.06	21.11	0	21.50	21.67	21.51	21.49	21.50	21.46	1	22.25
		12	7	21.08	21.09	21.03	21.05	21.07	0	21.50	21.66	21.49	21.53	21.50	21.43	1	22.25
		12	13	21.08	21.00	21.03	21.05	21.07	0	21.50	21.66	21.49	21.53	21.46	21.44	1	22.25
		25	0	21.09	21.01	21.05	21.06	21.11	0	21.50	21.69	21.51	21.55	21.47	21.43	1	22.25
	16QAM	1	0	21.21	21.01	21.20	21.18	21.19	0	21.50	21.89	21.62	21.57	21.61	21.58	1	22.25
		1	12	21.18	21.02	21.22	21.07	21.10	0	21.50	21.82	21.62	21.62	21.57	21.47	1	22.25
		1	24	21.20	21.02	21.14	21.06	21.11	0	21.50	21.90	21.56	21.62	21.55	21.52	1	22.25
		12	0	21.18	21.04	21.06	21.15	21.08	0.25	21.25	20.67	20.51	20.45	20.49	20.42	2	21.25
		12	7	21.18	21.02	21.03	21.24	21.15	0.25	21.25	20.65	20.49	20.52	20.46	20.37	2	21.25
		12	13	21.16	21.00	21.03	21.15	21.03	0.25	21.25	20.67	20.49	20.53	20.46	20.37	2	21.25
		25	0	21.15	21.09	21.05	21.16	21.02	0.25	21.25	20.64	20.51	20.53	20.46	20.38	2	21.25
	64QAM	1	0	21.13	21.03	21.15	21.06	21.10	0.25	21.25	21.13	21.03	21.15	21.25	21.10	2	21.25
		1	12	21.14	21.02	21.15	21.11	21.05	0.25	21.25	21.14	21.02	21.15	21.11	21.05	2	21.25
		1	24	21.15	21.03	21.02	21.14	21.12	0.25	21.25	21.15	21.03	21.02	21.14	21.12	2	21.25
		12	0	20.08	20.05	20.02	20.01	20.15	1.25	20.25	20.08	20.05	20.02	20.01	20.15	3	20.25
		12	7	20.05	20.04	20.09	20.02	20.12	1.25	20.25	20.05	20.04	20.09	20.02	20.12	3	20.25
		12	13	20.05	20.04	20.11	20.06	20.09	1.25	20.25	20.05	20.04	20.11	20.06	20.09	3	20.25
		25	0	20.17	20.05	20.13	20.01	20.12	1.25	20.25	20.17	20.05	20.13	20.01	20.12	3	20.25

LTE Band 41 Power Class 3 Measured Results (ANT3)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
20 MHz	QPSK	1	0	24.98	25.06	25.40	25.28	24.86	0	25.50	22.02	22.17	22.07	22.00	22.00	0	22.25
		1	49	25.00	25.10	25.48	25.39	25.00	0	25.50	22.21	22.22	22.10	22.03	22.04	0	22.25
		1	99	24.96	24.80	25.23	25.32	24.93	0	25.50	22.07	22.19	22.09	22.00	22.00	0	22.25
		50	0	23.91	24.00	24.30	24.33	23.79	1	24.50	22.00	22.10	22.16	22.00	22.06	0	22.25
		50	24	24.00	24.00	24.50	24.40	23.80	1	24.50	22.15	22.24	22.19	22.10	22.14	0	22.25
		50	50	23.92	23.79	24.30	24.33	23.70	1	24.50	22.06	22.06	22.15	22.02	22.10	0	22.25
		100	0	23.79	23.86	24.38	24.37	23.69	1	24.50	22.10	22.01	22.18	22.09	22.13	0	22.25
	16QAM	1	0	24.05	24.22	24.49	24.36	24.02	1	24.50	22.17	22.11	22.13	22.07	22.17	0	22.25
		1	49	23.84	23.97	24.40	24.50	23.80	1	24.50	22.24	22.18	22.24	22.19	22.19	0	22.25
		1	99	24.03	23.89	24.27	24.45	24.05	1	24.50	22.23	22.10	22.06	22.06	22.07	0	22.25
		50	0	22.89	22.98	23.50	23.40	22.73	2	23.50	22.02	22.05	22.23	22.09	22.03	0	22.25
		50	24	22.79	22.87	23.38	23.43	22.69	2	23.50	22.03	22.04	22.18	22.04	22.08	0	22.25
		50	50	22.91	22.77	23.29	23.38	22.84	2	23.50	22.18	22.02	22.15	22.16	22.13	0	22.25
		100	0	22.77	22.85	23.36	23.40	22.72	2	23.50	22.00	22.00	22.17	22.02	22.19	0	22.25
	64QAM	1	0	22.69	22.77	22.81	22.81	23.05	2	23.50	22.02	22.04	22.20	22.14	22.11	0	22.25
		1	49	22.52	22.73	22.75	22.65	23.03	2	23.50	22.02	22.05	22.17	22.03	22.01	0	22.25
		1	99	22.71	22.69	22.70	22.62	23.19	2	23.50	22.11	22.08	22.01	22.07	22.00	0	22.25
		50	0	21.63	21.78	21.92	21.82	22.07	3	22.50	22.08	22.02	22.17	22.21	22.22	0	22.25
		50	24	21.63	21.77	21.91	21.76	22.11	3	22.50	22.11	22.07	22.09	22.16	22.24	0	22.25
		50	50	21.72	21.74	21.91	21.71	22.18	3	22.50	22.22	22.04	22.05	22.06	22.00	0	22.25
		100	0	21.61	21.73	21.88	21.74	22.05	3	22.50	22.06	22.03	22.05	22.15	22.17	0	22.25

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
15 MHz	QPSK	1	0	24.85	24.89	25.49	25.33	24.81	0	25.50	22.20	22.19	22.22	22.19	22.15	0	22.25
		1	37	24.74	24.79	25.38	25.39	24.72	0	25.50	22.19	22.17	22.23	22.12	22.16	0	22.25
		1	74	24.82	24.66	25.18	25.26	24.84	0	25.50	22.13	22.21	22.19	22.08	22.05	0	22.25
		36	0	23.85	23.91	24.48	24.31	23.75	1	24.50	22.19	22.04	22.20	22.08	22.03	0	22.25
		36	20	23.79	23.85	24.40	24.43	23.74	1	24.50	22.19	22.13	22.18	22.01	22.07	0	22.25
		36	39	23.83	23.80	24.31	24.40	23.80	1	24.50	22.16	22.10	22.14	22.21	22.12	0	22.25
		75	0	23.75	23.85	24.36	24.37	23.68	1	24.50	22.21	22.09	22.15	22.08	22.15	0	22.25
	16QAM	1	0	23.82	23.80	24.43	24.36	23.71	1	24.50	22.18	22.04	22.21	22.02	22.02	0	22.25
		1	37	23.74	23.64	24.29	24.41	23.53	1	24.50	22.24	22.10	22.15	22.05	22.13	0	22.25
		1	74	23.85	23.60	24.13	24.27	23.68	1	24.50	22.14	22.04	22.19	22.17	22.12	0	22.25
		36	0	22.87	22.96	23.49	23.37	22.72	2	23.50	22.13	22.07	22.24	22.17	22.13	0	22.25
		36	20	22.78	22.89	23.39	23.43	22.75	2	23.50	22.14	22.16	22.17	22.15	22.22	0	22.25
		36	39	22.82	22.79	23.31	23.42	22.80	2	23.50	22.16	22.08	22.13	22.06	22.17	0	22.25
		75	0	22.73	22.86	23.38	23.40	22.74	2	23.50	22.11	22.05	22.14	22.10	22.20	0	22.25
	64QAM	1	0	22.63	22.63	22.88	22.72	22.92	2	23.50	22.14	22.12	22.21	22.16	22.18	0	22.25
		1	37	22.69	22.61	22.83	22.58	22.95	2	23.50	22.12	22.10	22.16	22.12	22.16	0	22.25
		1	74	22.58	22.55	22.74	22.60	23.02	2	23.50	22.13	22.04	22.02	22.00	22.20	0	22.25
		36	0	21.63	21.77	21.94	21.76	22.06	3	22.50	22.17	22.03	22.18	22.12	22.12	0	22.25
		36	20	21.58	21.81	21.94	21.74	22.16	3	22.50	22.15	22.10	22.17	22.11	22.17	0	22.25
		36	39	21.62	21.77	21.93	21.62	22.18	3	22.50	22.16	22.08	22.13	22.00	22.21	0	22.25
		75	0	21.71	21.75	21.90	21.71	22.10	3	22.50	22.12	22.07	22.08	22.04	22.15	0	22.25

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	24.81	24.96	25.48	25.32	24.75	0	25.50	22.15	22.15	22.15	22.14	22.10	0	22.25
		1	25	24.75	24.85	25.37	25.36	24.66	0	25.50	22.17	22.17	22.18	22.10	22.11	0	22.25
		1	49	24.81	24.78	25.30	25.35	24.77	0	25.50	22.11	22.11	22.17	22.12	22.01	0	22.25
		25	0	23.76	23.91	24.40	24.44	23.68	1	24.50	22.11	22.11	22.05	22.05	22.04	0	22.25
		25	12	23.74	23.89	24.37	24.43	23.70	1	24.50	22.10	22.10	22.22	22.17	22.03	0	22.25
		25	25	23.79	23.81	24.32	24.44	23.83	1	24.50	22.12	22.12	22.17	22.20	22.08	0	22.25
		50	0	23.74	23.89	24.39	24.43	23.71	1	24.50	22.10	22.10	22.19	22.09	22.15	0	22.25
	16QAM	1	0	23.87	23.78	24.41	24.39	23.58	1	24.50	22.10	22.10	22.03	22.06	22.07	0	22.25
		1	25	23.85	23.67	24.20	24.49	23.51	1	24.50	22.15	22.15	22.23	22.12	22.22	0	22.25
		1	49	24.00	23.61	24.23	24.44	23.70	1	24.50	22.15	22.15	22.22	22.24	22.16	0	22.25
		25	0	22.83	22.91	23.39	23.45	22.70	2	23.50	22.13	22.13	22.17	22.15	22.21	0	22.25
		25	12	22.80	22.86	23.34	23.43	22.74	2	23.50	22.12	22.12	22.23	22.12	22.19	0	22.25
		25	25	22.87	22.81	23.31	23.44	22.83	2	23.50	22.12	22.12	22.22	22.05	22.11	0	22.25
		50	0	22.80	22.94	23.42	23.43	22.75	2	23.50	22.12	22.12	22.24	22.11	22.14	0	22.25
	64QAM	1	0	22.67	22.69	22.90	22.66	22.97	2	23.50	22.06	22.06	22.23	22.09	22.20	0	22.25
		1	25	22.60	22.71	22.88	22.86	22.93	2	23.50	22.11	22.11	22.19	22.04	22.20	0	22.25
		1	49	22.50	22.71	22.88	22.57	23.03	2	23.50	22.10	22.10	22.13	22.05	22.20	0	22.25
		25	0	21.63	21.78	21.95	21.77	22.10	3	22.50	22.13	22.13	22.06	22.12	22.22	0	22.25
		25	12	21.59	21.81	21.94	21.68	22.13	3	22.50	22.11	22.11	22.16	22.04	22.20	0	22.25
		25	25	21.63	21.79	21.94	21.72	22.19	3	22.50	22.11	22.11	22.15	22.09	22.08	0	22.25
		50	0	21.62	21.82	21.94	21.69	22.15	3	22.50	22.08	22.08	22.18	22.05	22.22	0	22.25

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	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
5 MHz	QPSK	1	0	24.77	24.78	25.38	25.41	24.62	0	25.50	22.18	22.22	22.21	22.14	22.19	0	22.25
		1	12	24.77	24.75	25.28	25.36	24.68	0	25.50	22.15	22.20	22.17	22.11	22.11	0	22.25
		1	24	24.84	24.70	25.23	25.39	24.79	0	25.50	22.10	22.09	22.20	22.20	22.01	0	22.25
		12	0	23.73	23.73	24.22	24.34	23.60	1	24.50	22.06	22.00	22.16	22.08	22.07	0	22.25
		12	7	23.70	23.70	24.20	24.33	23.62	1	24.50	22.10	22.19	22.10	22.07	22.06	0	22.25
		12	13	23.78	23.69	24.18	24.32	23.66	1	24.50	22.07	22.00	22.07	22.07	22.07	0	22.25
		25	0	23.69	23.71	24.21	24.33	23.64	1	24.50	22.22	22.00	22.11	22.07	22.02	0	22.25
	16QAM	1	0	23.78	23.73	24.44	24.39	23.59	1	24.50	22.15	22.09	22.15	22.00	22.02	0	22.25
		1	12	23.72	23.68	24.35	24.34	23.62	1	24.50	22.22	22.06	22.11	22.04	22.10	0	22.25
		1	24	23.84	23.64	24.34	24.40	23.71	1	24.50	22.07	22.10	22.16	22.22	22.05	0	22.25
		12	0	22.70	22.71	23.23	23.24	22.52	2	23.50	22.19	22.16	22.04	22.05	22.08	0	22.25
		12	7	22.66	22.69	23.23	23.26	22.54	2	23.50	22.01	22.18	22.07	22.08	22.00	0	22.25
		12	13	22.70	22.69	23.20	23.31	22.59	2	23.50	22.16	22.18	22.08	22.09	22.11	0	22.25
		25	0	22.63	22.72	23.22	23.29	22.56	2	23.50	22.01	22.16	22.10	22.08	22.00	0	22.25
	64QAM	1	0	22.69	22.74	22.87	22.77	23.14	2	23.50	22.11	22.13	22.21	22.05	22.13	0	22.25
		1	12	22.61	22.72	22.81	22.63	23.12	2	23.50	22.10	22.06	22.09	22.05	22.15	0	22.25
		1	24	22.59	22.81	22.80	22.68	23.15	2	23.50	22.05	22.09	22.11	22.02	22.10	0	22.25
		12	0	21.70	21.56	21.72	21.69	22.02	3	22.50	22.00	22.16	22.02	22.03	22.18	0	22.25
		12	7	21.71	21.54	21.79	21.71	21.97	3	22.50	22.03	22.14	22.00	22.18	22.16	0	22.25
		12	13	21.73	21.64	21.77	21.76	22.02	3	22.50	22.17	22.15	22.03	22.17	22.17	0	22.25
		25	0	21.69	21.58	21.80	21.69	22.02	3	22.50	22.19	22.12	22.18	22.15	22.14	0	22.25

LTE Band 41 Power Class 3 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
20 MHz	QPSK	1	0	18.45	17.98	18.46	18.45	18.39	0	18.75	19.50	19.28	19.58	19.50	19.40	0	19.75
		1	49	18.55	18.25	18.54	18.52	18.60	0	18.75	19.50	19.40	19.60	19.60	19.75	0	19.75
		1	99	18.46	17.90	18.50	18.47	18.38	0	18.75	19.46	19.26	19.60	19.49	19.46	0	19.75
		50	0	18.50	17.90	18.54	18.45	18.31	0	18.75	19.37	19.04	19.33	19.33	19.15	0	19.75
		50	24	18.52	18.25	18.55	18.54	18.65	0	18.75	19.40	19.30	19.75	19.60	19.75	0	19.75
		50	50	18.45	17.95	18.50	18.42	18.35	0	18.75	19.25	19.04	19.36	19.28	19.19	0	19.75
		100	0	18.51	17.96	18.54	18.52	18.35	0	18.75	19.22	19.03	19.75	19.26	19.19	0	19.75
	16QAM	1	0	18.58	18.28	18.62	18.68	18.48	0	18.75	19.42	19.22	19.37	19.38	19.32	0	19.75
		1	49	18.62	18.17	18.69	18.64	18.44	0	18.75	19.26	19.22	19.43	19.30	19.31	0	19.75
		1	99	18.66	18.25	18.74	18.56	18.47	0	18.75	19.28	19.25	19.56	19.19	19.37	0	19.75
		50	0	18.32	17.84	18.34	18.37	18.13	0	18.75	19.42	19.13	19.37	19.32	19.22	0	19.75
		50	24	18.32	17.79	18.35	18.27	18.17	0	18.75	19.31	19.15	19.39	19.24	19.23	0	19.75
		50	50	18.39	17.84	18.41	18.16	18.17	0	18.75	19.26	19.15	19.39	19.29	19.24	0	19.75
		100	0	18.31	17.76	18.30	18.25	18.15	0	18.75	19.28	19.06	19.36	19.25	19.21	0	19.75
	64QAM	1	0	18.23	17.89	18.02	18.16	18.02	0	18.75	19.31	19.10	19.19	19.28	19.16	0	19.75
		1	49	18.08	17.91	18.04	17.99	17.99	0	18.75	19.25	19.08	19.24	19.17	19.17	0	19.75
		1	99	18.04	17.92	18.12	17.93	18.07	0	18.75	19.26	19.07	19.34	19.06	19.18	0	19.75
		50	0	18.22	17.83	18.10	18.06	17.90	0	18.75	18.90	18.57	18.85	18.82	18.65	0.25	19.50
		50	24	18.10	17.80	18.13	18.00	17.94	0	18.75	18.79	18.57	18.88	18.76	18.70	0.25	19.50
		50	50	18.05	17.81	18.12	17.99	17.93	0	18.75	18.83	18.60	18.86	18.76	18.70	0.25	19.50
		100	0	18.01	17.79	18.10	17.96	17.84	0	18.75	18.77	18.53	18.84	18.73	18.61	0.25	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
15 MHz	QPSK	1	0	18.54	17.82	18.22	18.43	18.06	0	18.75	19.75	19.37	19.70	19.72	19.52	0	19.75
		1	37	18.16	17.84	18.30	18.31	18.04	0	18.75	19.57	19.32	19.73	19.62	19.52	0	19.75
		1	74	18.09	17.82	18.37	18.12	18.06	0	18.75	19.53	19.30	19.75	19.58	19.51	0	19.75
		36	0	18.29	17.78	18.26	18.36	18.02	0	18.75	19.43	19.08	19.44	19.44	19.22	0	19.75
		36	20	18.18	17.76	18.32	18.26	18.09	0	18.75	19.35	19.11	19.51	19.39	19.32	0	19.75
		36	39	18.13	17.79	18.35	18.16	18.09	0	18.75	19.33	19.11	19.50	19.39	19.30	0	19.75
		75	0	18.13	17.85	18.29	18.23	18.05	0	18.75	19.33	19.13	19.47	19.36	19.32	0	19.75
	16QAM	1	0	18.56	17.84	18.12	18.31	18.07	0	18.75	19.43	19.13	19.37	19.27	19.30	0	19.75
		1	37	18.20	17.77	18.20	18.18	17.94	0	18.75	19.18	19.16	19.40	19.19	19.28	0	19.75
		1	74	18.13	17.86	18.33	18.00	18.02	0	18.75	19.19	19.09	19.44	19.10	19.24	0	19.75
		36	0	18.21	17.82	18.20	18.24	17.96	0	18.75	19.43	19.15	19.48	19.48	19.30	0	19.75
		36	20	18.10	17.81	18.26	18.19	18.03	0	18.75	19.38	19.20	19.52	19.44	19.36	0	19.75
		36	39	18.07	17.75	18.30	18.11	18.02	0	18.75	19.32	19.15	19.48	19.45	19.38	0	19.75
		75	0	18.08	17.79	18.24	18.18	18.00	0	18.75	19.35	19.13	19.49	19.40	19.33	0	19.75
	64QAM	1	0	18.23	17.84	18.15	18.08	17.88	0	18.75	19.37	19.00	19.30	19.28	19.01	0	19.75
		1	37	18.08	17.82	18.18	17.97	17.84	0	18.75	19.20	19.03	19.32	19.21	19.03	0	19.75
		1	74	18.08	17.83	18.27	17.90	17.82	0	18.75	19.19	19.01	19.29	19.10	19.02	0	19.75
		36	0	18.18	17.81	18.12	18.02	17.87	0	18.75	18.83	18.57	18.84	18.84	18.60	0.25	19.50
		36	20	18.12	17.87	18.13	17.99	17.96	0	18.75	18.79	18.59	18.89	18.80	18.68	0.25	19.50
		36	39	18.07	17.82	18.12	17.97	17.97	0	18.75	18.77	18.54	18.86	18.80	18.69	0.25	19.50
		75	0	17.99	17.81	18.10	17.94	17.89	0	18.75	18.81	18.54	18.85	18.77	18.63	0.25	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	18.35	17.91	18.27	18.36	18.04	0	18.75	19.74	19.40	19.72	19.73	19.49	0	19.75
		1	25	18.13	17.84	18.28	18.29	18.07	0	18.75	19.58	19.35	19.74	19.66	19.53	0	19.75
		1	49	18.12	17.93	18.33	18.17	18.11	0	18.75	19.59	19.40	19.75	19.69	19.57	0	19.75
		25	0	18.22	17.89	18.23	18.32	18.08	0	18.75	19.41	19.17	19.44	19.45	19.30	0	19.75
		25	12	18.16	17.85	18.28	18.28	18.08	0	18.75	19.35	19.13	19.50	19.41	19.34	0	19.75
		25	25	18.13	17.92	18.28	18.19	18.04	0	18.75	19.38	19.12	19.50	19.44	19.31	0	19.75
		50	0	18.17	17.86	18.29	18.29	18.08	0	18.75	19.38	19.14	19.49	19.41	19.35	0	19.75
	16QAM	1	0	18.48	17.84	18.22	18.28	18.05	0	18.75	19.29	19.21	19.38	19.34	19.35	0	19.75
		1	25	18.24	17.79	18.24	18.23	18.01	0	18.75	19.23	19.18	19.43	19.22	19.39	0	19.75
		1	49	18.22	17.86	18.23	18.13	18.09	0	18.75	19.26	19.17	19.44	19.23	19.40	0	19.75
		25	0	18.15	17.79	18.16	18.26	17.99	0	18.75	19.43	19.20	19.49	19.49	19.34	0	19.75
		25	12	18.11	17.76	18.21	18.22	17.99	0	18.75	19.40	19.20	19.52	19.44	19.34	0	19.75
		25	25	18.08	17.82	18.21	18.12	17.94	0	18.75	19.46	19.21	19.52	19.50	19.30	0	19.75
		50	0	18.11	17.76	18.23	18.25	18.03	0	18.75	19.48	19.23	19.55	19.46	19.34	0	19.75
	64QAM	1	0	18.20	17.76	18.17	18.01	17.81	0	18.75	19.36	19.05	19.35	19.15	19.05	0	19.75
		1	25	18.01	17.79	18.20	17.93	17.85	0	18.75	19.19	19.02	19.37	19.11	19.08	0	19.75
		1	49	18.06	17.76	18.15	17.94	17.85	0	18.75	19.25	19.08	19.32	19.01	19.07	0	19.75
		25	0	18.06	17.87	18.08	18.03	17.87	0	18.75	18.78	18.66	18.85	18.76	18.63	0.25	19.50
		25	12	18.01	17.84	18.11	17.99	17.91	0	18.75	18.76	18.63	18.88	18.71	18.65	0.25	19.50
		25	25	18.04	17.81	18.13	18.02	17.88	0	18.75	18.79	18.59	18.87	18.73	18.62	0.25	19.50
		50	0	18.03	17.85	18.14	17.98	17.92	0	18.75	18.80	18.63	18.88	18.71	18.66	0.25	19.50

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

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
5 MHz	QPSK	1	0	18.17	18.10	18.15	18.22	18.02	0	18.75	19.67	19.47	19.74	19.60	19.55	0	19.75
		1	12	18.09	18.06	18.19	18.16	18.02	0	18.75	19.65	19.41	19.72	19.54	19.53	0	19.75
		1	24	18.09	18.13	18.20	18.08	18.01	0	18.75	19.70	19.42	19.71	19.63	19.50	0	19.75
		12	0	18.00	18.01	18.08	18.12	17.90	0	18.75	19.29	19.12	19.31	19.31	19.20	0	19.75
		12	7	18.01	17.99	18.13	18.11	17.93	0	18.75	19.27	19.09	19.37	19.28	19.26	0	19.75
		12	13	18.02	17.97	18.12	18.08	17.91	0	18.75	19.29	19.08	19.37	19.28	19.23	0	19.75
		25	0	17.99	17.98	18.14	18.11	17.97	0	18.75	19.27	19.09	19.40	19.30	19.24	0	19.75
	16QAM	1	0	18.15	18.13	18.16	18.26	18.15	0	18.75	19.34	19.19	19.55	19.30	19.26	0	19.75
		1	12	18.09	18.05	18.18	18.23	18.13	0	18.75	19.27	19.12	19.59	19.29	19.24	0	19.75
		1	24	18.09	18.16	18.17	18.08	18.04	0	18.75	19.33	19.12	19.58	19.35	19.21	0	19.75
		12	0	17.90	17.88	17.96	18.01	17.77	0	18.75	19.24	19.11	19.33	19.27	19.16	0	19.75
		12	7	17.89	17.86	18.01	17.99	17.81	0	18.75	19.28	19.09	19.42	19.32	19.19	0	19.75
		12	13	17.91	17.86	18.00	17.97	17.78	0	18.75	19.29	19.05	19.40	19.32	19.17	0	19.75
		25	0	17.88	17.84	18.03	18.01	17.78	0	18.75	19.29	19.04	19.41	19.34	19.15	0	19.75
	64QAM	1	0	18.33	17.86	18.03	17.96	17.81	0	18.75	19.29	19.02	19.18	19.17	19.04	0	19.75
		1	12	18.27	17.83	18.08	17.92	17.79	0	18.75	19.10	19.20	19.21	19.10	19.30	0	19.75
		1	24	18.32	17.76	18.06	17.98	17.82	0	18.75	19.23	19.20	19.27	19.11	19.30	0	19.75
		12	0	18.18	17.85	17.89	17.82	17.84	0	18.75	18.60	19.28	18.70	18.58	19.32	0.25	19.50
		12	7	18.17	17.79	17.91	17.77	17.76	0	18.75	18.62	19.24	18.70	18.54	19.35	0.25	19.50
		12	13	18.19	17.81	17.92	17.83	17.84	0	18.75	18.62	19.24	18.71	18.53	19.36	0.25	19.50
		25	0	18.12	17.75	17.88	17.77	17.81	0	18.75	18.64	19.29	18.68	18.57	19.40	0.25	19.50

LTE Band 48 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55340	55773	56207	56640	MPR	Tune-up Limit	55340	55773	56207	56640	MPR	Tune-up Limit
				3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	25.62	25.04	25.11	24.81	0	25.70	25.62	25.04	25.11	24.81	0	25.70
		1	49	25.65	25.35	25.45	25.47	0	25.70	25.65	25.35	25.45	25.47	0	25.70
		1	99	25.38	25.20	25.39	24.79	0	25.70	25.38	25.20	25.39	24.79	0	25.70
		50	0	24.52	24.37	24.43	24.55	1	24.70	24.52	24.37	24.43	24.55	1	24.70
		50	24	24.55	24.50	24.51	24.60	1	24.70	24.55	24.50	24.51	24.60	1	24.70
		50	50	24.31	24.45	24.47	24.59	1	24.70	24.31	24.45	24.47	24.59	1	24.70
		100	0	24.31	24.40	24.45	24.40	1	24.70	24.31	24.40	24.45	24.40	1	24.70
	16QAM	1	0	24.42	24.54	24.60	24.00	1	24.70	24.42	24.54	24.60	24.00	1	24.70
		1	49	24.47	24.38	24.43	24.58	1	24.70	24.47	24.38	24.43	24.58	1	24.70
		1	99	24.47	24.68	24.64	24.04	1	24.70	24.47	24.68	24.64	24.04	1	24.70
		50	0	23.54	22.73	22.76	23.49	2	23.70	23.54	22.73	22.76	23.49	2	23.70
		50	24	23.64	22.74	22.75	23.46	2	23.70	23.64	22.74	22.75	23.46	2	23.70
		50	50	23.55	22.78	22.79	23.58	2	23.70	23.55	22.78	22.79	23.58	2	23.70
		100	0	23.57	22.88	22.85	23.61	2	23.70	23.57	22.88	22.85	23.61	2	23.70
	64QAM	1	0	23.59	23.41	23.33	23.33	2	23.70	23.59	23.41	23.33	23.33	2	23.70
		1	49	23.60	23.39	23.02	23.67	2	23.70	23.60	23.39	23.02	23.67	2	23.70
		1	99	23.33	23.32	23.37	23.60	2	23.70	23.33	23.32	23.37	23.60	2	23.70
		50	0	22.44	22.38	22.30	22.57	3	22.70	22.44	22.38	22.30	22.57	3	22.70
		50	24	22.53	22.27	22.29	22.60	3	22.70	22.53	22.27	22.29	22.60	3	22.70
		50	50	22.43	22.32	22.32	22.33	3	22.70	22.43	22.32	22.32	22.33	3	22.70
		100	0	22.66	22.00	22.36	22.34	3	22.70	22.66	22.00	22.36	22.34	3	22.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315	55765	56215	56665	MPR	Tune-up Limit	55315	55765	56215	56665	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	25.47	25.16	25.29	25.55	0	25.70	25.47	25.16	25.29	25.55	0	25.70
		1	37	25.56	25.17	25.16	25.48	0	25.70	25.56	25.17	25.16	25.48	0	25.70
		1	74	25.60	25.29	25.29	25.67	0	25.70	25.60	25.29	25.29	25.67	0	25.70
		36	0	24.56	24.28	24.35	24.44	1	24.70	24.56	24.28	24.35	24.44	1	24.70
		36	20	24.51	24.35	24.35	24.51	1	24.70	24.51	24.35	24.35	24.51	1	24.70
		36	39	24.49	24.35	24.35	24.53	1	24.70	24.49	24.35	24.35	24.53	1	24.70
		75	0	24.52	24.35	24.37	24.53	1	24.70	24.52	24.35	24.37	24.53	1	24.70
	16QAM	1	0	24.38	24.29	24.25	24.57	1	24.70	24.38	24.29	24.25	24.57	1	24.70
		1	37	24.54	24.21	24.21	24.52	1	24.70	24.54	24.21	24.21	24.52	1	24.70
		1	74	24.59	24.38	24.37	24.63	1	24.70	24.59	24.38	24.37	24.63	1	24.70
		36	0	23.34	23.13	23.16	23.35	2	23.70	23.34	23.13	23.16	23.35	2	23.70
		36	20	23.44	23.14	23.15	23.40	2	23.70	23.44	23.14	23.15	23.40	2	23.70
		36	39	23.35	23.18	23.19	23.42	2	23.70	23.35	23.18	23.19	23.42	2	23.70
		75	0	23.37	23.28	23.25	23.48	2	23.70	23.37	23.28	23.25	23.48	2	23.70
	64QAM	1	0	23.49	23.27	23.63	23.36	2	23.70	23.49	23.27	23.63	23.36	2	23.70
		1	37	23.54	23.01	23.39	23.37	2	23.70	23.54	23.01	23.39	23.37	2	23.70
		1	74	23.66	23.14	23.12	23.49	2	23.70	23.66	23.14	23.12	23.49	2	23.70
		36	0	22.69	22.28	22.25	22.57	3	22.70	22.69	22.28	22.25	22.57	3	22.70
		36	20	22.40	22.20	22.24	22.62	3	22.70	22.40	22.20	22.24	22.62	3	22.70
		36	39	22.45	22.20	22.24	22.65	3	22.70	22.45	22.20	22.24	22.65	3	22.70
		75	0	22.48	22.27	22.28	22.31	3	22.70	22.48	22.27	22.28	22.31	3	22.70

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	25.68	25.13	25.18	25.57	0	25.70	25.68	25.13	25.18	25.57	0	25.70
		1	25	25.51	25.04	25.00	25.40	0	25.70	25.51	25.04	25.00	25.40	0	25.70
		1	49	25.67	25.20	25.27	25.68	0	25.70	25.67	25.20	25.27	25.68	0	25.70
		25	0	24.58	24.38	24.40	24.53	1	24.70	24.58	24.38	24.40	24.53	1	24.70
		25	12	24.42	24.36	24.34	24.46	1	24.70	24.42	24.36	24.34	24.46	1	24.70
		25	25	24.53	24.40	24.38	24.52	1	24.70	24.53	24.40	24.38	24.52	1	24.70
		50	0	24.51	24.47	24.45	24.64	1	24.70	24.51	24.47	24.45	24.64	1	24.70
	16QAM	1	0	24.55	24.34	24.35	24.57	1	24.70	24.55	24.34	24.35	24.57	1	24.70
		1	25	24.49	24.14	24.16	24.35	1	24.70	24.49	24.14	24.16	24.35	1	24.70
		1	49	24.69	24.46	24.41	24.67	1	24.70	24.69	24.46	24.41	24.67	1	24.70
		25	0	23.34	23.13	23.16	23.38	2	23.70	23.34	23.13	23.16	23.38	2	23.70
		25	12	23.44	23.14	23.15	23.36	2	23.70	23.44	23.14	23.15	23.36	2	23.70
		25	25	23.35	23.18	23.19	23.41	2	23.70	23.35	23.18	23.19	23.41	2	23.70
		50	0	23.37	23.28	23.25	23.63	2	23.70	23.37	23.28	23.25	23.63	2	23.70
	64QAM	1	0	23.42	23.16	23.06	23.45	2	23.70	23.42	23.16	23.06	23.45	2	23.70
		1	25	23.66	22.80	22.84	23.35	2	23.70	23.66	22.80	22.84	23.35	2	23.70
		1	49	23.64	23.11	23.06	23.52	2	23.70	23.64	23.11	23.06	23.52	2	23.70
		25	0	22.33	22.46	22.43	22.60	3	22.70	22.33	22.46	22.43	22.60	3	22.70
		25	12	22.69	22.36	22.36	22.54	3	22.70	22.69	22.36	22.36	22.54	3	22.70
		25	25	22.42	22.41	22.39	22.59	3	22.70	22.42	22.41	22.39	22.59	3	22.70
		50	0	22.48	22.00	21.97	22.40	3	22.70	22.48	22.00	21.97	22.40	3	22.70

LTE Band 48 Measured Results (ANT1) (continued)

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	25.64	25.25	25.38	25.60	0	25.70	25.64	25.25	25.38	25.60	0	25.70
		1	12	25.41	25.09	25.10	25.33	0	25.70	25.41	25.09	25.10	25.33	0	25.70
		1	24	25.44	25.17	25.22	25.58	0	25.70	25.44	25.17	25.22	25.58	0	25.70
		12	0	24.36	24.31	24.30	24.45	1	24.70	24.36	24.31	24.30	24.45	1	24.70
		12	7	24.17	24.25	24.22	24.38	1	24.70	24.17	24.25	24.22	24.38	1	24.70
		12	13	24.28	24.30	24.26	24.42	1	24.70	24.28	24.30	24.26	24.42	1	24.70
		25	0	24.41	24.40	24.42	24.60	1	24.70	24.41	24.40	24.42	24.60	1	24.70
	16QAM	1	0	24.27	24.02	24.02	24.51	1	24.70	24.27	24.02	24.02	24.51	1	24.70
		1	12	24.58	24.24	24.27	24.39	1	24.70	24.58	24.24	24.27	24.39	1	24.70
		1	24	24.68	24.14	24.17	24.58	1	24.70	24.68	24.14	24.17	24.58	1	24.70
		12	0	23.24	23.14	23.17	23.25	2	23.70	23.24	23.14	23.17	23.25	2	23.70
		12	7	23.44	23.14	23.15	23.23	2	23.70	23.44	23.14	23.15	23.23	2	23.70
		12	13	23.35	23.18	23.19	23.25	2	23.70	23.35	23.18	23.19	23.25	2	23.70
		25	0	23.37	23.28	23.25	23.45	2	23.70	23.37	23.28	23.25	23.45	2	23.70
	64QAM	1	0	23.34	23.07	23.13	23.43	2	23.70	23.34	23.07	23.13	23.43	2	23.70
		1	12	23.55	23.06	23.36	23.54	2	23.70	23.55	23.06	23.36	23.54	2	23.70
		1	24	23.42	23.31	23.13	23.35	2	23.70	23.42	23.31	23.13	23.35	2	23.70
		12	0	22.62	22.27	22.14	22.51	3	22.70	22.62	22.27	22.14	22.51	3	22.70
		12	7	22.47	22.10	22.07	22.27	3	22.70	22.47	22.10	22.07	22.27	3	22.70
		12	13	22.60	22.12	22.19	22.52	3	22.70	22.60	22.12	22.19	22.52	3	22.70
		25	0	22.33	22.28	22.27	22.68	3	22.70	22.33	22.28	22.27	22.68	3	22.70

LTE Band 48 Measured Results (ANT6)

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	22.30	22.32	22.35	22.20	0	22.50	22.30	22.32	22.35	22.20	0	22.50
		1	49	22.37	22.33	22.40	22.27	0	22.50	22.37	22.33	22.40	22.27	0	22.50
		1	99	22.31	22.30	22.30	22.20	0	22.50	22.31	22.30	22.30	22.20	0	22.50
		50	0	21.40	21.32	21.37	21.26	1	21.50	21.40	21.32	21.37	21.26	1	21.50
		50	24	21.46	21.38	21.40	21.31	1	21.50	21.46	21.38	21.40	21.31	1	21.50
		50	50	21.38	21.33	21.23	21.30	1	21.50	21.38	21.33	21.23	21.30	1	21.50
		100	0	21.30	21.30	21.32	21.30	1	21.50	21.30	21.30	21.32	21.30	1	21.50
	16QAM	1	0	21.45	21.49	21.33	21.37	1	21.50	21.45	21.49	21.33	21.37	1	21.50
		1	49	21.43	21.30	21.35	21.42	1	21.50	21.43	21.30	21.35	21.42	1	21.50
		1	99	21.40	21.43	21.32	21.31	1	21.50	21.40	21.43	21.32	21.31	1	21.50
		50	0	20.33	20.30	20.28	20.27	2	20.50	20.33	20.30	20.28	20.27	2	20.50
		50	24	20.35	20.32	20.20	20.31	2	20.50	20.35	20.32	20.20	20.31	2	20.50
		50	50	20.35	20.29	20.18	20.42	2	20.50	20.35	20.29	20.18	20.42	2	20.50
		100	0	20.50	20.46	20.29	20.43	2	20.50	20.50	20.46	20.29	20.43	2	20.50
	64QAM	1	0	20.42	20.10	20.37	20.49	2	20.50	20.42	20.10	20.37	20.49	2	20.50
		1	49	20.36	20.42	20.42	20.49	2	20.50	20.36	20.42	20.42	20.49	2	20.50
		1	99	20.46	20.19	20.31	20.46	2	20.50	20.46	20.19	20.31	20.46	2	20.50
		50	0	19.13	19.32	19.27	19.36	3	19.50	19.13	19.32	19.27	19.36	3	19.50
		50	24	19.14	19.25	19.31	19.49	3	19.50	19.14	19.25	19.31	19.49	3	19.50
		50	50	19.06	19.29	19.42	19.47	3	19.50	19.06	19.29	19.42	19.47	3	19.50
		100	0	19.26	19.37	19.43	19.44	3	19.50	19.26	19.37	19.43	19.44	3	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315	55765	56215	56665	MPR	Tune-up Limit	55315	55765	56215	56665	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	22.26	22.35	22.34	22.34	0	22.50	22.26	22.35	22.34	22.34	0	22.50
		1	37	22.25	22.35	22.15	22.38	0	22.50	22.25	22.35	22.15	22.38	0	22.50
		1	74	22.47	22.44	22.25	22.41	0	22.50	22.47	22.44	22.25	22.41	0	22.50
		36	0	21.21	21.28	21.24	21.31	1	21.50	21.21	21.28	21.24	21.31	1	21.50
		36	20	21.25	21.34	21.18	21.37	1	21.50	21.25	21.34	21.18	21.37	1	21.50
		36	39	21.32	21.30	21.18	21.33	1	21.50	21.32	21.30	21.18	21.33	1	21.50
		75	0	21.31	21.37	21.19	21.40	1	21.50	21.31	21.37	21.19	21.40	1	21.50
	16QAM	1	0	21.34	21.47	21.35	21.35	1	21.50	21.34	21.47	21.35	21.35	1	21.50
		1	37	21.33	21.47	21.19	21.38	1	21.50	21.33	21.47	21.19	21.38	1	21.50
		1	74	21.32	21.34	21.31	21.50	1	21.50	21.32	21.34	21.31	21.50	1	21.50
		36	0	20.15	20.22	20.16	20.27	2	20.50	20.15	20.22	20.16	20.27	2	20.50
		36	20	20.19	20.27	20.09	20.31	2	20.50	20.19	20.27	20.09	20.31	2	20.50
		36	39	20.25	20.21	20.09	20.28	2	20.50	20.25	20.21	20.09	20.28	2	20.50
		75	0	20.24	20.32	20.14	20.39	2	20.50	20.24	20.32	20.14	20.39	2	20.50
	64QAM	1	0	20.46	20.22	20.27	20.26	2	20.50	20.46	20.22	20.27	20.26	2	20.50
		1	37	20.40	20.38	20.32	20.45	2	20.50	20.40	20.38	20.32	20.45	2	20.50
		1	74	20.43	20.24	20.21	20.44	2	20.50	20.43	20.24	20.21	20.44	2	20.50
		36	0	19.34	19.28	19.17	19.09	3	19.50	19.34	19.28	19.17	19.09	3	19.50
		36	20	19.38	19.21	19.21	19.22	3	19.50	19.38	19.21	19.21	19.22	3	19.50
		36	39	19.44	19.20	19.32	19.19	3	19.50	19.44	19.20	19.32	19.19	3	19.50
		75	0	19.43	19.27	19.33	19.33	3	19.50	19.43	19.27	19.33	19.33	3	19.50

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	22.28	22.44	22.39	22.49	0	22.50	22.28	22.44	22.39	22.49	0	22.50
		1	25	22.14	22.32	21.97	22.25	0	22.50	22.14	22.32	21.97	22.25	0	22.50
		1	49	22.42	22.46	22.14	22.44	0	22.50	22.42	22.46	22.14	22.44	0	22.50
		25	0	21.21	21.41	21.24	21.42	1	21.50	21.21	21.41	21.24	21.42	1	21.50
		25	12	21.21	21.35	21.18	21.34	1	21.50	21.21	21.35	21.18	21.34	1	21.50
		25	25	21.28	21.40	21.22	21.35	1	21.50	21.28	21.40	21.22	21.35	1	21.50
		50	0	21.30	21.31	21.29	21.33	1	21.50	21.30	21.31	21.29	21.33	1	21.50
	16QAM	1	0	21.46	21.33	21.49	21.31	1	21.50	21.46	21.33	21.49	21.31	1	21.50
		1	25	21.27	21.36	21.13	21.27	1	21.50	21.27	21.36	21.13	21.27	1	21.50
		1	49	21.47	21.38	21.40	21.49	1	21.50	21.47	21.38	21.40	21.49	1	21.50
		25	0	20.09	20.29	20.11	20.30	2	20.50	20.09	20.29	20.11	20.30	2	20.50
		25	12	20.10	20.22	20.05	20.19	2	20.50	20.10	20.22	20.05	20.19	2	20.50
		25	25	20.19	20.25	20.11	20.16	2	20.50	20.19	20.25	20.11	20.16	2	20.50
		50	0	20.28	20.44	20.28	20.43	2	20.50	20.28	20.44	20.28	20.43	2	20.50
	64QAM	1	0	20.20	20.24	20.47	20.42	2	20.50	20.20	20.24	20.47	20.42	2	20.50
		1	25	20.18	20.15	20.32	20.25	2	20.50	20.18	20.15	20.32	20.25	2	20.50
		1	49	20.36	20.46	20.41	20.43	2	20.50	20.36	20.46	20.41	20.43	2	20.50
		25	0	19.48	19.24	19.37	19.35	3	19.50	19.48	19.24	19.37	19.35	3	19.50
		25	12	19.48	19.20	19.41	19.21	3	19.50	19.48	19.20	19.41	19.21	3	19.50
		25	25	19.00	19.25	19.42	19.23	3	19.50	19.00	19.25	19.42	19.23	3	19.50
		50	0	19.09	19.37	19.43	19.48	3	19.50	19.09	19.37	19.43	19.48	3	19.50

LTE Band 48 Measured Results (ANT6) (continued)

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	22.10	22.30	22.19	22.42	0	22.50	22.10	22.30	22.19	22.42	0	22.50
		1	12	21.91	22.16	21.96	22.13	0	22.50	21.91	22.16	21.96	22.13	0	22.50
		1	24	22.29	22.45	22.21	22.20	0	22.50	22.29	22.45	22.21	22.20	0	22.50
		12	0	21.09	21.30	21.11	21.30	1	21.50	21.09	21.30	21.11	21.30	1	21.50
		12	7	21.02	21.22	21.06	21.18	1	21.50	21.02	21.22	21.06	21.18	1	21.50
		12	13	21.12	21.27	21.09	21.22	1	21.50	21.12	21.27	21.09	21.22	1	21.50
		25	0	21.25	21.40	21.26	21.38	1	21.50	21.25	21.40	21.26	21.38	1	21.50
	16QAM	1	0	21.19	21.38	21.24	21.36	1	21.50	21.19	21.38	21.24	21.36	1	21.50
		1	12	21.11	21.09	20.97	21.15	1	21.50	21.11	21.09	20.97	21.15	1	21.50
		1	24	21.36	21.36	21.26	21.38	1	21.50	21.36	21.36	21.26	21.38	1	21.50
		12	0	20.12	20.32	20.15	20.31	2	20.50	20.12	20.32	20.15	20.31	2	20.50
		12	7	20.04	20.26	20.09	20.19	2	20.50	20.04	20.26	20.09	20.19	2	20.50
		12	13	20.19	20.26	20.18	20.28	2	20.50	20.19	20.26	20.18	20.28	2	20.50
		25	0	20.14	20.26	20.16	20.25	2	20.50	20.14	20.26	20.16	20.25	2	20.50
	64QAM	1	0	20.34	20.39	20.22	20.34	2	20.50	20.34	20.39	20.22	20.34	2	20.50
		1	12	20.31	20.13	20.13	20.46	2	20.50	20.31	20.13	20.13	20.46	2	20.50
		1	24	20.35	20.43	20.20	20.43	2	20.50	20.35	20.43	20.20	20.43	2	20.50
		12	0	19.13	18.82	19.30	19.45	3	19.50	19.13	18.82	19.30	19.45	3	19.50
		12	7	19.29	18.73	19.18	19.47	3	19.50	19.29	18.73	19.18	19.47	3	19.50
		12	13	19.33	18.82	19.02	19.42	3	19.50	19.33	18.82	19.02	19.42	3	19.50
		25	0	19.39	19.16	19.18	19.41	3	19.50	19.39	19.16	19.18	19.41	3	19.50

LTE Band 48 Measured Results (ANT3)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55340	55773	56207	56640	MPR	Tune-up Limit	55340	55773	56207	56640	MPR	Tune-up Limit
				3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	25.00	25.00	25.25	25.00	0	25.50	25.00	25.00	25.25	25.00	0	25.50
		1	49	25.01	25.04	25.35	25.01	0	25.50	25.01	25.04	25.35	25.01	0	25.50
		1	99	25.00	25.00	25.20	25.00	0	25.50	25.00	25.00	25.20	25.00	0	25.50
		50	0	24.00	24.20	24.08	24.00	1	24.50	24.00	24.20	24.08	24.00	1	24.50
		50	24	24.06	24.23	24.25	24.06	1	24.50	24.06	24.23	24.25	24.06	1	24.50
		50	50	24.02	24.22	24.04	24.02	1	24.50	24.02	24.22	24.04	24.02	1	24.50
		100	0	24.06	24.00	24.07	24.06	1	24.50	24.06	24.00	24.07	24.06	1	24.50
	16QAM	1	0	23.68	24.04	23.72	23.68	1	24.50	23.68	24.04	23.72	23.68	1	24.50
		1	49	24.13	24.18	24.18	24.13	1	24.50	24.13	24.18	24.18	24.13	1	24.50
		1	99	23.59	24.00	24.39	23.59	1	24.50	23.59	24.00	24.39	23.59	1	24.50
		50	0	23.04	23.07	23.04	23.04	2	23.50	23.04	23.07	23.04	23.04	2	23.50
		50	24	23.04	23.01	23.06	23.04	2	23.50	23.04	23.01	23.06	23.04	2	23.50
		50	50	23.09	23.01	23.08	23.09	2	23.50	23.09	23.01	23.08	23.09	2	23.50
		100	0	23.18	23.14	23.18	23.18	2	23.50	23.18	23.14	23.18	23.18	2	23.50
	64QAM	1	0	23.41	22.71	22.57	23.10	2	23.50	23.41	22.71	22.57	23.10	2	23.50
		1	49	23.14	22.79	22.69	22.92	2	23.50	23.14	22.79	22.69	22.92	2	23.50
		1	99	23.15	23.08	22.94	23.45	2	23.50	23.15	23.08	22.94	23.45	2	23.50
		50	0	21.88	21.63	21.61	22.00	3	22.50	21.88	21.63	21.61	22.00	3	22.50
		50	24	21.91	21.60	21.56	22.08	3	22.50	21.91	21.60	21.56	22.08	3	22.50
		50	50	21.82	21.64	21.56	22.20	3	22.50	21.82	21.64	21.56	22.20	3	22.50
		100	0	22.05	21.69	21.68	22.20	3	22.50	22.05	21.69	21.68	22.20	3	22.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315	55765	56215	56665	MPR	Tune-up Limit	55315	55765	56215	56665	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	25.34	25.20	25.29	25.34	0	25.50	25.34	25.20	25.29	25.34	0	25.50
		1	37	25.41	25.11	25.09	25.41	0	25.50	25.41	25.11	25.09	25.41	0	25.50
		1	74	25.47	25.24	25.24	25.47	0	25.50	25.47	25.24	25.24	25.47	0	25.50
		36	0	24.39	24.19	24.18	24.39	1	24.50	24.39	24.19	24.18	24.39	1	24.50
		36	20	24.38	24.16	24.14	24.38	1	24.50	24.38	24.16	24.14	24.38	1	24.50
		36	39	24.43	24.18	24.21	24.43	1	24.50	24.43	24.18	24.21	24.43	1	24.50
		75	0	24.43	24.16	24.17	24.43	1	24.50	24.43	24.16	24.17	24.43	1	24.50
	16QAM	1	0	24.34	24.34	24.36	24.34	1	24.50	24.34	24.34	24.36	24.34	1	24.50
		1	37	24.43	24.27	24.21	24.43	1	24.50	24.43	24.27	24.21	24.43	1	24.50
		1	74	24.31	24.40	24.35	24.31	1	24.50	24.31	24.40	24.35	24.31	1	24.50
		36	0	23.42	23.15	23.17	23.42	2	23.50	23.42	23.15	23.17	23.42	2	23.50
		36	20	23.42	23.08	23.11	23.42	2	23.50	23.42	23.08	23.11	23.42	2	23.50
		36	39	23.47	23.09	23.13	23.47	2	23.50	23.47	23.09	23.13	23.47	2	23.50
		75	0	23.48	23.14	23.17	23.48	2	23.50	23.48	23.14	23.17	23.48	2	23.50
	64QAM	1	0	23.09	22.83	22.82	23.14	2	23.50	23.09	22.83	22.82	23.14	2	23.50
		1	37	23.01	22.67	22.68	23.22	2	23.50	23.01	22.67	22.68	23.22	2	23.50
		1	74	23.06	22.87	22.85	23.47	2	23.50	23.06	22.87	22.85	23.47	2	23.50
		36	0	21.79	21.60	21.56	22.00	3	22.50	21.79	21.60	21.56	22.00	3	22.50
		36	20	21.81	21.52	21.54	22.08	3	22.50	21.81	21.52	21.54	22.08	3	22.50
		36	39	21.84	21.51	21.57	22.18	3	22.50	21.84	21.51	21.57	22.18	3	22.50
		75	0	21.83	21.58	21.58	22.20	3	22.50	21.83	21.58	21.58	22.20	3	22.50

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	25.31	25.29	25.38	25.22	0	25.50	25.31	25.29	25.38	25.22	0	25.50
		1	25	25.07	25.02	25.07	25.16	0	25.50	25.07	25.02	25.07	25.16	0	25.50
		1	49	25.33	25.26	25.29	25.41	0	25.50	25.33	25.26	25.29	25.41	0	25.50
		25	0	24.16	24.27	24.25	24.17	1	24.50	24.16	24.27	24.25	24.17	1	24.50
		25	12	24.10	24.17	24.20	24.22	1	24.50	24.10	24.17	24.20	24.22	1	24.50
		25	25	24.16	24.23	24.25	24.35	1	24.50	24.16	24.23	24.25	24.35	1	24.50
		50	0	24.18	24.30	24.31	24.37	1	24.50	24.18	24.30	24.31	24.37	1	24.50
	16QAM	1	0	24.46	24.40	24.36	24.14	1	24.50	24.46	24.40	24.36	24.14	1	24.50
		1	25	24.23	24.14	24.10	24.09	1	24.50	24.23	24.14	24.10	24.09	1	24.50
		1	49	24.14	24.35	24.34	24.42	1	24.50	24.14	24.35	24.34	24.42	1	24.50
		25	0	23.15	23.15	23.10	23.08	2	23.50	23.15	23.15	23.10	23.08	2	23.50
		25	12	23.07	23.02	23.03	23.10	2	23.50	23.07	23.02	23.03	23.10	2	23.50
		25	25	23.11	23.08	23.09	23.21	2	23.50	23.11	23.08	23.09	23.21	2	23.50
		50	0	23.24	23.27	23.26	23.35	2	23.50	23.24	23.27	23.26	23.35	2	23.50
	64QAM	1	0	23.13	22.85	22.75	23.17	2	23.50	23.13	22.85	22.75	23.17	2	23.50
		1	25	22.95	22.60	22.64	23.05	2	23.50	22.95	22.60	22.64	23.05	2	23.50
		1	49	23.11	22.79	22.71	23.44	2	23.50	23.11	22.79	22.71	23.44	2	23.50
		25	0	21.81	21.51	21.52	22.09	3	22.50	21.81	21.51	21.52	22.09	3	22.50
		25	12	21.73	21.54	21.57	22.07	3	22.50	21.73	21.54	21.57	22.07	3	22.50
		25	25	21.76	21.50	21.55	22.17	3	22.50	21.76	21.50	21.55	22.17	3	22.50
		50	0	21.92	21.69	21.67	22.33	3	22.50	21.92	21.69	21.67	22.33	3	22.50

LTE Band 48 Measured Results (ANT3) (continued)

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	25.42	25.29	25.19	25.28	0	25.50	25.42	25.29	25.19	25.28	0	25.50
		1	12	25.23	25.19	25.43	25.06	0	25.50	25.23	25.19	25.43	25.06	0	25.50
		1	24	25.43	25.22	25.15	25.33	0	25.50	25.43	25.22	25.15	25.33	0	25.50
		12	0	24.34	24.19	24.10	24.15	1	24.50	24.34	24.19	24.10	24.15	1	24.50
		12	7	24.33	24.05	24.02	24.15	1	24.50	24.33	24.05	24.02	24.15	1	24.50
		12	13	24.36	24.11	24.07	24.19	1	24.50	24.36	24.11	24.07	24.19	1	24.50
		25	0	24.33	24.20	24.18	24.34	1	24.50	24.33	24.20	24.18	24.34	1	24.50
	16QAM	1	0	24.30	24.20	24.12	24.20	1	24.50	24.30	24.20	24.12	24.20	1	24.50
		1	12	24.25	24.17	24.25	24.35	1	24.50	24.25	24.17	24.25	24.35	1	24.50
		1	24	24.43	24.28	24.02	24.23	1	24.50	24.43	24.28	24.02	24.23	1	24.50
		12	0	23.23	23.18	23.45	23.46	2	23.50	23.23	23.18	23.45	23.46	2	23.50
		12	7	23.15	23.06	23.40	23.46	2	23.50	23.15	23.06	23.40	23.46	2	23.50
		12	13	23.18	23.10	23.45	23.20	2	23.50	23.18	23.10	23.45	23.20	2	23.50
		25	0	23.39	23.33	23.45	23.38	2	23.50	23.39	23.33	23.45	23.38	2	23.50
	64QAM	1	0	23.05	22.34	22.36	23.26	2	23.50	23.05	22.34	22.36	23.26	2	23.50
		1	12	22.83	22.04	22.16	23.07	2	23.50	22.83	22.04	22.16	23.07	2	23.50
		1	24	23.07	22.28	22.30	23.29	2	23.50	23.07	22.28	22.30	23.29	2	23.50
		12	0	21.64	20.76	20.97	21.95	3	22.50	21.64	20.76	20.97	21.95	3	22.50
		12	7	21.53	20.82	20.73	22.03	3	22.50	21.53	20.82	20.73	22.03	3	22.50
		12	13	21.52	20.78	20.82	22.07	3	22.50	21.52	20.78	20.82	22.07	3	22.50
		25	0	21.75	21.18	21.13	22.22	3	22.50	21.75	21.18	21.13	22.22	3	22.50

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	22.00	22.00	21.99	22.00	0	22.50	22.00	22.00	21.99	22.00	0	22.50
		1	49	22.19	22.02	22.30	22.30	0	22.50	22.19	22.02	22.30	22.30	0	22.50
		1	99	22.10	22.00	21.89	22.00	0	22.50	22.10	22.00	21.89	22.00	0	22.50
		50	0	21.10	21.00	20.81	21.00	1	21.50	21.10	21.00	20.81	21.00	1	21.50
		50	24	21.16	21.04	21.20	21.07	1	21.50	21.16	21.04	21.20	21.07	1	21.50
		50	50	21.00	21.01	20.84	21.00	1	21.50	21.00	21.01	20.84	21.00	1	21.50
		100	0	21.10	21.09	21.20	21.21	1	21.50	21.10	21.09	21.20	21.21	1	21.50
	16QAM	1	0	21.49	21.30	21.19	21.40	1	21.50	21.49	21.30	21.19	21.40	1	21.50
		1	49	21.28	21.11	20.91	21.13	1	21.50	21.28	21.11	20.91	21.13	1	21.50
		1	99	21.40	21.28	21.21	21.48	1	21.50	21.40	21.28	21.21	21.48	1	21.50
		50	0	20.18	20.04	19.81	20.07	2	20.50	20.18	20.04	19.81	20.07	2	20.50
		50	24	20.16	19.99	19.75	20.05	2	20.50	20.16	19.99	19.75	20.05	2	20.50
		50	50	20.20	20.00	19.82	20.17	2	20.50	20.20	20.00	19.82	20.17	2	20.50
		100	0	20.27	20.10	19.83	20.19	2	20.50	20.27	20.10	19.83	20.19	2	20.50
	64QAM	1	0	20.32	20.37	20.28	20.40	2	20.50	20.32	20.37	20.28	20.40	2	20.50
		1	49	20.33	20.25	19.99	20.14	2	20.50	20.33	20.25	19.99	20.14	2	20.50
		1	99	20.39	20.41	20.21	20.46	2	20.50	20.39	20.41	20.21	20.46	2	20.50
		50	0	19.21	19.14	18.84	19.12	3	19.50	19.21	19.14	18.84	19.12	3	19.50
		50	24	19.20	19.06	18.83	19.10	3	19.50	19.20	19.06	18.83	19.10	3	19.50
		50	50	19.24	19.06	18.87	19.21	3	19.50	19.24	19.06	18.87	19.21	3	19.50
		100	0	19.32	19.17	18.95	19.24	3	19.50	19.32	19.17	18.95	19.24	3	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315	55765	56215	56665	MPR	Tune-up Limit	55315	55765	56215	56665	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	22.32	22.17	21.97	22.14	0	22.50	22.32	22.17	21.97	22.14	0	22.50
		1	37	22.22	22.05	21.88	22.09	0	22.50	22.22	22.05	21.88	22.09	0	22.50
		1	74	22.39	22.14	22.00	22.25	0	22.50	22.39	22.14	22.00	22.25	0	22.50
		36	0	21.25	21.11	20.81	21.07	1	21.50	21.25	21.11	20.81	21.07	1	21.50
		36	20	21.24	21.05	20.78	21.12	1	21.50	21.24	21.05	20.78	21.12	1	21.50
		36	39	21.19	20.93	20.78	21.13	1	21.50	21.19	20.93	20.78	21.13	1	21.50
		75	0	21.24	21.04	20.82	21.18	1	21.50	21.24	21.04	20.82	21.18	1	21.50
	16QAM	1	0	21.28	21.13	20.94	21.09	1	21.50	21.28	21.13	20.94	21.09	1	21.50
		1	37	21.20	21.01	20.89	21.08	1	21.50	21.20	21.01	20.89	21.08	1	21.50
		1	74	21.33	21.14	21.00	21.22	1	21.50	21.33	21.14	21.00	21.22	1	21.50
		36	0	20.14	19.99	19.74	19.99	2	20.50	20.14	19.99	19.74	19.99	2	20.50
		36	20	20.14	19.92	19.75	20.07	2	20.50	20.14	19.92	19.75	20.07	2	20.50
		36	39	20.15	19.86	19.76	20.07	2	20.50	20.15	19.86	19.76	20.07	2	20.50
		75	0	20.21	19.98	19.78	20.11	2	20.50	20.21	19.98	19.78	20.11	2	20.50
	64QAM	1	0	20.39	20.23	20.06	20.23	2	20.50	20.39	20.23	20.06	20.23	2	20.50
		1	37	20.24	20.12	19.99	20.22	2	20.50	20.24	20.12	19.99	20.22	2	20.50
		1	74	20.49	20.28	20.14	20.34	2	20.50	20.49	20.28	20.14	20.34	2	20.50
		36	0	19.19	19.06	18.74	19.02	3	19.50	19.19	19.06	18.74	19.02	3	19.50
		36	20	19.18	18.98	18.75	19.09	3	19.50	19.18	18.98	18.75	19.09	3	19.50
		36	39	19.19	18.93	18.75	19.10	3	19.50	19.19	18.93	18.75	19.10	3	19.50
		75	0	19.25	19.04	18.81	19.16	3	19.50	19.25	19.04	18.81	19.16	3	19.50

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	22.35	22.15	22.03	22.24	0	22.50	22.35	22.15	22.03	22.24	0	22.50
		1	25	22.16	21.90	21.82	22.09	0	22.50	22.16	21.90	21.82	22.09	0	22.50
		1	49	22.36	22.14	22.01	22.26	0	22.50	22.36	22.14	22.01	22.26	0	22.50
		25	0	21.30	21.11	20.92	21.22	1	21.50	21.30	21.11	20.92	21.22	1	21.50
		25	12	21.23	21.01	20.86	21.16	1	21.50	21.23	21.01	20.86	21.16	1	21.50
		25	25	21.29	21.06	20.91	21.21	1	21.50	21.29	21.06	20.91	21.21	1	21.50
		50	0	21.36	21.15	21.01	21.32	1	21.50	21.36	21.15	21.01	21.32	1	21.50
	16QAM	1	0	21.48	21.33	21.15	21.33	1	21.50	21.48	21.33	21.15	21.33	1	21.50
		1	25	21.12	21.06	20.97	21.18	1	21.50	21.12	21.06	20.97	21.18	1	21.50
		1	49	21.41	21.18	21.21	21.44	1	21.50	21.41	21.18	21.21	21.44	1	21.50
		25	0	20.46	20.25	20.14	20.44	2	20.50	20.46	20.25	20.14	20.44	2	20.50
		25	12	20.40	20.21	20.07	20.38	2	20.50	20.40	20.21	20.07	20.38	2	20.50
		25	25	20.44	20.27	20.11	20.43	2	20.50	20.44	20.27	20.11	20.43	2	20.50
		50	0	20.29	20.12	19.97	20.30	2	20.50	20.29	20.12	19.97	20.30	2	20.50
	64QAM	1	0	20.29	20.06	19.93	20.18	2	20.50	20.29	20.06	19.93	20.18	2	20.50
		1	25	20.10	19.92	19.76	19.98	2	20.50	20.10	19.92	19.76	19.98	2	20.50
		1	49	20.31	20.11	20.05	20.19	2	20.50	20.31	20.11	20.05	20.19	2	20.50
		25	0	19.17	19.04	18.84	19.14	3	19.50	19.17	19.04	18.84	19.14	3	19.50
		25	12	19.11	18.98	18.78	19.07	3	19.50	19.11	18.98	18.78	19.07	3	19.50
		25	25	19.15	19.04	18.83	19.10	3	19.50	19.15	19.04	18.83	19.10	3	19.50
		50	0	19.27	19.19	18.95	19.24	3	19.50	19.27	19.19	18.95	19.24	3	19.50

LTE Band 48 Measured Results (ANT4) (continued)

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	22.32	22.20	22.02	22.33	0	22.50	22.32	22.20	22.02	22.33	0	22.50
		1	12	22.09	21.91	21.74	21.97	0	22.50	22.09	21.91	21.74	21.97	0	22.50
		1	24	22.33	22.10	21.99	22.24	0	22.50	22.33	22.10	21.99	22.24	0	22.50
		12	0	21.22	21.01	20.84	21.18	1	21.50	21.22	21.01	20.84	21.18	1	21.50
		12	7	21.14	20.95	20.76	21.13	1	21.50	21.14	20.95	20.76	21.13	1	21.50
		12	13	21.18	21.00	20.83	21.18	1	21.50	21.18	21.00	20.83	21.18	1	21.50
		25	0	21.33	21.13	21.02	21.36	1	21.50	21.33	21.13	21.02	21.36	1	21.50
	16QAM	1	0	21.25	21.18	20.99	21.30	1	21.50	21.25	21.18	20.99	21.30	1	21.50
		1	12	21.05	20.88	20.80	21.05	1	21.50	21.05	20.88	20.80	21.05	1	21.50
		1	24	21.26	20.98	21.01	21.33	1	21.50	21.26	20.98	21.01	21.33	1	21.50
		12	0	20.29	20.11	19.99	20.36	2	20.50	20.29	20.11	19.99	20.36	2	20.50
		12	7	20.20	20.12	19.94	20.24	2	20.50	20.20	20.12	19.94	20.24	2	20.50
		12	13	20.23	20.14	19.94	20.29	2	20.50	20.23	20.14	19.94	20.29	2	20.50
		25	0	20.46	20.33	20.14	20.47	2	20.50	20.46	20.33	20.14	20.47	2	20.50
	64QAM	1	0	20.25	20.37	20.25	20.25	2	20.50	20.25	20.37	20.25	20.25	2	20.50
		1	12	20.27	20.01	19.87	20.16	2	20.50	20.27	20.01	19.87	20.16	2	20.50
		1	24	20.21	20.30	20.22	20.48	2	20.50	20.21	20.30	20.22	20.48	2	20.50
		12	0	19.42	19.25	19.10	19.24	3	19.50	19.42	19.25	19.10	19.24	3	19.50
		12	7	19.30	19.22	18.84	19.18	3	19.50	19.30	19.22	18.84	19.18	3	19.50
		12	13	19.28	19.20	18.95	19.32	3	19.50	19.28	19.20	18.95	19.32	3	19.50
		25	0	19.48	19.33	19.15	19.45	3	19.50	19.48	19.33	19.15	19.45	3	19.50

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	25.45	25.48	25.35	0	25.70	17.44	17.21	17.12	0	17.50
		1	49	25.50	25.50	25.36	0	25.70	17.45	17.26	17.35	0	17.50
		1	99	25.40	25.47	25.30	0	25.70	17.38	17.21	17.28	0	17.50
		50	0	24.35	24.46	24.35	1	24.70	17.11	17.20	17.11	0	17.50
		50	24	24.66	24.53	24.39	1	24.70	17.40	17.30	17.45	0	17.50
		50	50	24.59	24.52	24.35	1	24.70	17.30	17.25	17.20	0	17.50
		100	0	24.50	24.53	24.38	1	24.70	17.30	17.35	17.13	0	17.50
	16QAM	1	0	24.54	24.51	24.70	1	24.70	17.42	17.09	17.00	0	17.50
		1	49	24.54	24.46	24.68	1	24.70	17.46	17.12	17.47	0	17.50
		1	99	24.40	24.49	24.44	1	24.70	17.40	17.07	17.04	0	17.50
		50	0	23.60	23.48	23.35	2	23.70	17.28	17.19	17.12	0	17.50
		50	24	23.33	23.59	23.39	2	23.70	17.22	17.26	17.20	0	17.50
		50	50	23.65	23.59	23.46	2	23.70	17.44	17.22	17.26	0	17.50
		100	0	23.32	23.61	23.35	2	23.70	17.48	17.25	17.16	0	17.50
	64QAM	1	0	23.47	23.17	23.63	2	23.70	17.05	17.36	17.25	0	17.50
		1	49	23.27	23.68	23.70	2	23.70	17.33	17.29	17.28	0	17.50
		1	99	23.36	23.58	23.64	2	23.70	17.48	17.15	17.23	0	17.50
		50	0	22.34	22.38	22.32	3	22.70	17.07	17.22	17.14	0	17.50
		50	24	22.30	22.42	22.41	3	22.70	17.04	17.25	17.21	0	17.50
		50	50	22.38	22.38	22.37	3	22.70	17.09	17.19	17.15	0	17.50
		100	0	22.31	22.40	22.39	3	22.70	17.04	17.19	17.19	0	17.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132047	132322	132597	MPR	Tune-up Limit	132047	132322	132597	MPR	Tune-up Limit
				1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	25.59	25.41	25.37	0	25.70	17.46	17.24	17.19	0	17.50
		1	37	25.70	25.53	25.42	0	25.70	17.42	17.31	17.28	0	17.50
		1	74	25.57	25.55	25.48	0	25.70	17.31	17.27	17.28	0	17.50
		36	0	24.35	24.53	24.34	1	24.70	17.11	17.30	17.18	0	17.50
		36	20	24.40	24.55	24.43	1	24.70	17.11	17.33	17.25	0	17.50
		36	39	24.34	24.54	24.43	1	24.70	17.31	17.28	17.26	0	17.50
		75	0	24.33	24.53	24.41	1	24.70	17.34	17.27	17.25	0	17.50
	16QAM	1	0	24.53	24.35	24.69	1	24.70	17.40	17.29	17.30	0	17.50
		1	37	24.55	24.44	24.36	1	24.70	17.47	17.41	17.44	0	17.50
		1	74	24.39	24.44	24.46	1	24.70	17.38	17.43	17.49	0	17.50
		36	0	23.34	23.54	23.39	2	23.70	17.30	17.37	17.23	0	17.50
		36	20	23.37	23.59	23.50	2	23.70	17.32	17.37	17.33	0	17.50
		36	39	23.32	23.56	23.50	2	23.70	17.48	17.37	17.32	0	17.50
		75	0	23.35	23.58	23.48	2	23.70	17.31	17.37	17.28	0	17.50
	64QAM	1	0	23.67	23.57	23.49	2	23.70	17.25	17.20	17.10	0	17.50
		1	37	23.50	23.60	23.54	2	23.70	17.40	17.22	17.05	0	17.50
		1	74	23.52	23.52	23.46	2	23.70	17.45	17.18	17.04	0	17.50
		36	0	22.31	22.48	22.46	3	22.70	17.14	17.24	17.21	0	17.50
		36	20	22.34	22.51	22.45	3	22.70	17.13	17.32	17.15	0	17.50
		36	39	22.40	22.48	22.44	3	22.70	17.17	17.28	17.16	0	17.50
		75	0	22.24	22.45	22.38	3	22.70	17.07	17.25	17.11	0	17.50

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	25.66	25.47	25.48	0	25.70	17.32	17.25	17.31	0	17.50
		1	25	25.33	25.50	25.47	0	25.70	17.32	17.28	17.37	0	17.50
		1	49	25.32	25.55	25.62	0	25.70	17.32	17.34	17.38	0	17.50
		25	0	24.62	24.46	24.46	1	24.70	17.11	17.29	17.31	0	17.50
		25	12	24.31	24.56	24.48	1	24.70	17.11	17.35	17.30	0	17.50
		25	25	24.36	24.56	24.57	1	24.70	17.32	17.34	17.38	0	17.50
		50	0	24.31	24.55	24.48	1	24.70	17.29	17.35	17.32	0	17.50
	16QAM	1	0	24.52	24.38	24.39	1	24.70	17.33	17.36	17.45	0	17.50
		1	25	24.54	24.44	24.39	1	24.70	17.48	17.47	17.48	0	17.50
		1	49	24.56	24.46	24.55	1	24.70	17.36	17.47	17.37	0	17.50
		25	0	23.32	23.59	23.50	2	23.70	17.31	17.35	17.37	0	17.50
		25	12	23.41	23.57	23.49	2	23.70	17.34	17.40	17.37	0	17.50
		25	25	23.42	23.57	23.62	2	23.70	17.37	17.40	17.48	0	17.50
		50	0	23.39	23.57	23.49	2	23.70	17.36	17.39	17.39	0	17.50
	64QAM	1	0	23.59	23.63	23.62	2	23.70	17.14	17.23	17.23	0	17.50
		1	25	23.47	23.63	23.62	2	23.70	17.50	17.30	17.14	0	17.50
		1	49	23.49	23.64	23.59	2	23.70	17.35	17.26	17.13	0	17.50
		25	0	22.44	22.44	22.44	3	22.70	17.26	17.25	17.22	0	17.50
		25	12	22.37	22.51	22.44	3	22.70	17.14	17.28	17.24	0	17.50
		25	25	22.39	22.53	22.47	3	22.70	17.13	17.28	17.25	0	17.50
		50	0	22.42	22.49	22.45	3	22.70	17.15	17.27	17.24	0	17.50

LTE Band 66 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131997	132322	132647	MPR	Tune-up Limit	131997	132322	132647	MPR	Tune-up Limit
				1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	25.65	25.49	25.44	0	25.70	17.38	17.25	17.35	0	17.50
		1	12	25.62	25.45	25.52	0	25.70	17.32	17.28	17.36	0	17.50
		1	24	25.50	25.50	25.57	0	25.70	17.48	17.27	17.37	0	17.50
		12	0	24.57	24.47	24.44	1	24.70	17.11	17.23	17.27	0	17.50
		12	7	24.57	24.45	24.49	1	24.70	17.11	17.22	17.32	0	17.50
		12	13	24.60	24.45	24.49	1	24.70	17.16	17.21	17.33	0	17.50
		25	0	24.56	24.46	24.55	1	24.70	17.12	17.24	17.33	0	17.50
	16QAM	1	0	24.50	24.46	24.47	1	24.70	17.22	17.31	17.35	0	17.50
		1	12	24.49	24.47	24.55	1	24.70	17.48	17.31	17.38	0	17.50
		1	24	24.50	24.55	24.56	1	24.70	17.26	17.37	17.36	0	17.50
		12	0	23.55	23.50	23.47	2	23.70	17.13	17.25	17.09	0	17.50
		12	7	23.59	23.54	23.49	2	23.70	17.11	17.24	17.37	0	17.50
		12	13	23.67	23.53	23.49	2	23.70	17.37	17.26	17.37	0	17.50
		25	0	23.57	23.50	23.50	2	23.70	17.13	17.23	17.31	0	17.50
	64QAM	1	0	23.62	23.59	23.52	2	23.70	17.16	17.19	17.23	0	17.50
		1	12	23.47	23.62	23.48	2	23.70	17.41	17.16	17.20	0	17.50
		1	24	23.44	23.66	23.55	2	23.70	17.44	17.12	17.24	0	17.50
		12	0	22.19	22.25	22.24	3	22.70	17.09	17.07	17.01	0	17.50
		12	7	22.18	22.22	22.25	3	22.70	17.47	17.50	17.38	0	17.50
		12	13	22.10	22.21	22.25	3	22.70	17.40	17.49	17.37	0	17.50
		25	0	22.20	22.23	22.20	3	22.70	17.44	17.49	17.38	0	17.50

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	25.17	25.10	25.15	0	25.70	17.27	17.19	17.18	0	17.50
		1	8	25.26	25.14	25.19	0	25.70	17.30	17.21	17.23	0	17.50
		1	14	25.21	25.12	25.11	0	25.70	17.25	17.12	17.14	0	17.50
		8	0	24.15	24.08	24.02	1	24.70	17.11	17.12	17.07	0	17.50
		8	4	24.13	24.06	24.01	1	24.70	17.11	17.12	17.06	0	17.50
		8	7	24.14	24.06	24.02	1	24.70	17.06	17.11	17.07	0	17.50
		15	0	24.13	24.06	24.04	1	24.70	17.07	17.10	17.09	0	17.50
	16QAM	1	0	24.48	24.40	24.42	1	24.70	17.38	17.34	17.26	0	17.50
		1	8	24.50	24.51	24.48	1	24.70	17.34	17.27	17.32	0	17.50
		1	14	24.41	24.44	24.44	1	24.70	17.23	17.26	17.22	0	17.50
		8	0	23.13	23.04	23.03	2	23.70	17.15	17.06	17.08	0	17.50
		8	4	23.10	23.01	23.07	2	23.70	17.15	17.06	17.08	0	17.50
		8	7	23.10	23.01	23.07	2	23.70	17.15	17.06	17.06	0	17.50
		15	0	23.07	22.99	23.04	2	23.70	17.03	17.05	17.04	0	17.50
	64QAM	1	0	23.08	23.24	23.10	2	23.70	17.40	17.09	17.38	0	17.50
		1	8	23.04	23.34	23.15	2	23.70	17.44	17.12	17.49	0	17.50
		1	14	23.06	23.29	23.09	2	23.70	17.32	17.01	17.43	0	17.50
		8	0	22.64	22.17	22.63	3	22.70	17.22	17.39	17.25	0	17.50
		8	4	22.61	22.16	22.63	3	22.70	17.20	17.39	17.25	0	17.50
		8	7	22.62	22.17	22.66	3	22.70	17.21	17.39	17.26	0	17.50
		15	0	22.61	22.01	22.57	3	22.70	17.20	17.32	17.18	0	17.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131979	132322	132665	MPR	Tune-up Limit	131979	132322	132665	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	25.27	25.22	25.16	0	25.70	17.27	17.25	17.28	0	17.50
		1	3	25.23	25.18	25.14	0	25.70	17.24	17.24	17.27	0	17.50
		1	5	25.23	25.23	25.18	0	25.70	17.23	17.24	17.26	0	17.50
		3	0	25.11	25.02	25.11	0	25.70	17.11	17.18	17.15	0	17.50
		3	1	25.06	25.02	25.13	0	25.70	17.11	17.17	17.15	0	17.50
		3	3	25.07	25.00	25.09	0	25.70	16.95	17.16	17.15	0	17.50
		6	0	24.11	23.95	24.04	1	24.70	16.95	17.14	17.09	0	17.50
	16QAM	1	0	24.56	24.43	24.34	1	24.70	17.31	17.26	17.34	0	17.50
		1	3	24.55	24.39	24.34	1	24.70	17.28	17.22	17.35	0	17.50
		1	5	24.57	24.45	24.37	1	24.70	17.30	17.25	17.30	0	17.50
		3	0	24.23	24.21	24.19	1	24.70	17.02	17.24	17.29	0	17.50
		3	1	24.22	24.22	24.13	1	24.70	17.03	17.23	17.28	0	17.50
		3	3	24.23	24.23	24.12	1	24.70	17.19	17.21	17.25	0	17.50
		6	0	23.06	23.16	23.07	2	23.70	16.86	17.15	17.18	0	17.50
	64QAM	1	0	23.32	23.29	23.12	2	23.70	17.06	17.11	17.21	0	17.50
		1	3	23.39	23.31	23.07	2	23.70	17.46	17.07	17.14	0	17.50
		1	5	23.31	23.25	23.12	2	23.70	17.44	17.11	17.10	0	17.50
		3	0	23.12	23.05	23.14	2	23.70	17.17	17.17	17.14	0	17.50
		3	1	23.03	23.05	23.15	2	23.70	17.10	17.18	17.14	0	17.50
		3	3	23.02	23.02	23.16	2	23.70	17.07	17.17	17.15	0	17.50
		6	0	22.69	22.05	22.66	3	22.70	16.91	17.02	16.87	0	17.50

LTE Band 66 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132072	132322	132572	MPR	Tune-up Limit	132072	132322	132572	MPR	Tune-up Limit
				1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	21.80	21.73	21.74	0	22.00	19.11	18.97	19.01	0	19.50
		1	49	21.80	21.95	21.85	0	22.00	19.35	19.45	19.25	0	19.50
		1	99	21.61	21.84	21.67	0	22.00	18.83	19.16	18.96	0	19.50
		50	0	21.69	21.79	21.73	0	22.00	18.95	19.03	19.00	0	19.50
		50	24	21.70	21.82	21.75	0	22.00	19.45	19.49	19.45	0	19.50
		50	50	21.60	21.75	21.74	0	22.00	18.87	19.04	19.02	0	19.50
		100	0	21.61	21.72	21.70	0	22.00	18.86	19.49	19.00	0	19.50
	16QAM	1	0	22.00	21.91	21.88	0	22.00	19.50	19.31	19.36	0	19.50
		1	49	21.73	21.96	21.86	0	22.00	19.31	19.33	19.34	0	19.50
		1	99	21.72	22.00	21.83	0	22.00	19.29	19.44	19.31	0	19.50
		50	0	20.77	20.81	20.79	0.5	21.50	19.01	19.08	19.07	0	19.50
		50	24	20.66	20.78	20.80	0.5	21.50	18.94	19.05	19.07	0	19.50
		50	50	20.65	20.78	20.81	0.5	21.50	18.96	19.09	19.02	0	19.50
		100	0	20.65	20.76	20.78	0.5	21.50	18.95	18.98	19.04	0	19.50
	64QAM	1	0	20.99	21.32	21.19	0.5	21.50	19.47	19.50	19.48	0	19.50
		1	49	20.80	21.32	21.17	0.5	21.50	19.36	19.50	19.50	0	19.50
		1	99	20.78	21.23	21.12	0.5	21.50	19.21	19.50	19.50	0	19.50
		50	0	19.80	19.95	19.86	1.5	20.50	19.28	19.30	19.23	0	19.50
		50	24	19.76	19.92	19.89	1.5	20.50	19.25	19.31	19.30	0	19.50
		50	50	19.68	19.92	19.90	1.5	20.50	19.18	19.28	19.27	0	19.50
		100	0	19.75	19.90	19.89	1.5	20.50	19.24	19.27	19.21	0	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132047	132322	132597	MPR	Tune-up Limit	132047	132322	132597	MPR	Tune-up Limit
				1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	21.76	21.75	21.79	0	22.00	19.08	19.05	19.07	0	19.50
		1	37	21.63	21.70	21.77	0	22.00	18.90	19.03	19.07	0	19.50
		1	74	21.50	21.75	21.67	0	22.00	18.85	19.01	18.99	0	19.50
		36	0	21.68	21.71	21.80	0	22.00	18.94	19.07	19.13	0	19.50
		36	20	21.67	21.68	21.73	0	22.00	18.93	19.04	19.08	0	19.50
		36	39	21.57	21.61	21.71	0	22.00	18.87	18.96	19.03	0	19.50
		75	0	21.65	21.65	21.72	0	22.00	18.96	19.00	18.99	0	19.50
	16QAM	1	0	21.78	21.79	21.80	0	22.00	19.40	19.42	19.39	0	19.50
		1	37	21.64	21.73	21.80	0	22.00	19.16	19.42	19.41	0	19.50
		1	74	21.52	21.77	21.75	0	22.00	19.13	19.39	19.35	0	19.50
		36	0	20.73	20.80	20.86	0.5	21.50	18.99	19.09	19.19	0	19.50
		36	20	20.71	20.82	20.78	0.5	21.50	18.98	19.11	19.14	0	19.50
		36	39	20.63	20.72	20.76	0.5	21.50	18.98	19.02	19.09	0	19.50
		75	0	20.66	20.77	20.75	0.5	21.50	18.97	19.03	19.04	0	19.50
	64QAM	1	0	21.23	21.20	21.05	0.5	21.50	19.50	19.50	19.40	0	19.50
		1	37	21.09	21.24	21.02	0.5	21.50	19.43	19.43	19.42	0	19.50
		1	74	20.94	21.19	20.93	0.5	21.50	19.33	19.33	19.35	0	19.50
		36	0	19.95	20.04	19.94	1.5	20.50	19.26	19.26	19.38	0	19.50
		36	20	19.93	20.05	19.93	1.5	20.50	19.25	19.25	19.30	0	19.50
		36	39	19.81	20.06	19.89	1.5	20.50	19.28	19.28	19.29	0	19.50
		75	0	19.83	19.99	19.87	1.5	20.50	19.27	19.27	19.26	0	19.50

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	21.54	21.49	21.53	0	22.00	19.14	19.06	19.08	0	19.50
		1	25	21.42	21.42	21.46	0	22.00	18.99	19.02	19.01	0	19.50
		1	49	21.33	21.46	21.49	0	22.00	18.94	19.04	19.03	0	19.50
		25	0	21.47	21.51	21.48	0	22.00	19.08	19.09	19.06	0	19.50
		25	12	21.40	21.44	21.45	0	22.00	19.00	19.05	19.00	0	19.50
		25	25	21.39	21.40	21.42	0	22.00	18.99	18.98	18.96	0	19.50
		50	0	21.38	21.44	21.42	0	22.00	18.98	19.03	18.99	0	19.50
	16QAM	1	0	21.79	21.87	21.81	0	22.00	19.40	19.45	19.39	0	19.50
		1	25	21.67	21.75	21.79	0	22.00	19.22	19.42	19.36	0	19.50
		1	49	21.60	21.84	21.75	0	22.00	19.20	19.43	19.36	0	19.50
		25	0	20.51	20.57	20.56	0.5	21.50	19.14	19.13	19.11	0	19.50
		25	12	20.52	20.60	20.58	0.5	21.50	19.06	19.09	19.07	0	19.50
		25	25	20.50	20.52	20.54	0.5	21.50	19.04	19.03	19.03	0	19.50
		50	0	20.50	20.59	20.57	0.5	21.50	19.03	19.10	19.05	0	19.50
	64QAM	1	0	21.14	21.20	21.08	0.5	21.50	19.49	19.50	19.45	0	19.50
		1	25	20.93	21.18	20.92	0.5	21.50	19.38	19.50	19.35	0	19.50
		1	49	20.98	21.22	21.07	0.5	21.50	19.35	19.50	19.40	0	19.50
		25	0	20.02	20.01	19.92	1.5	20.50	19.31	19.40	19.27	0	19.50
		25	12	19.92	19.98	19.87	1.5	20.50	19.24	19.39	19.23	0	19.50
		25	25	19.93	19.99	19.84	1.5	20.50	19.24	19.41	19.20	0	19.50
		50	0	19.93	19.97	19.87	1.5	20.50	19.26	19.38	19.23	0	19.50

LTE Band 66 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131997	132322	132647	MPR	Tune-up Limit	131997	132322	132647	MPR	Tune-up Limit
				1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	21.63	21.62	21.55	0	22.00	19.05	19.01	18.92	0	19.50
		1	12	21.53	21.53	21.48	0	22.00	18.94	18.95	18.84	0	19.50
		1	24	21.52	21.50	21.55	0	22.00	18.91	18.89	18.90	0	19.50
		12	0	21.56	21.46	21.51	0	22.00	18.97	18.88	18.87	0	19.50
		12	7	21.50	21.46	21.45	0	22.00	18.90	18.88	18.80	0	19.50
		12	13	21.45	21.46	21.46	0	22.00	18.83	18.88	18.80	0	19.50
		25	0	21.49	21.46	21.45	0	22.00	18.89	18.88	18.78	0	19.50
	16QAM	1	0	22.00	21.91	21.99	0	22.00	19.45	19.31	19.36	0	19.50
		1	12	21.91	21.81	21.91	0	22.00	19.33	19.27	19.25	0	19.50
		1	24	21.89	21.81	21.99	0	22.00	19.30	19.22	19.30	0	19.50
		12	0	20.56	20.60	20.53	0.5	21.50	18.97	18.91	18.90	0	19.50
		12	7	20.60	20.51	20.50	0.5	21.50	18.91	18.90	18.82	0	19.50
		12	13	20.50	20.55	20.51	0.5	21.50	18.84	18.90	18.84	0	19.50
		25	0	20.51	20.52	20.50	0.5	21.50	18.91	18.87	18.79	0	19.50
	64QAM	1	0	21.15	21.21	21.00	0.5	21.50	19.49	19.48	19.50	0	19.50
		1	12	21.04	21.21	20.96	0.5	21.50	19.39	19.49	19.40	0	19.50
		1	24	21.01	21.25	21.02	0.5	21.50	19.32	19.47	19.43	0	19.50
		12	0	19.77	19.80	19.78	1.5	20.50	19.10	19.08	19.10	0	19.50
		12	7	19.69	19.79	19.69	1.5	20.50	19.09	19.11	19.01	0	19.50
		12	13	19.62	19.80	19.70	1.5	20.50	19.06	19.11	19.01	0	19.50
		25	0	19.71	19.79	19.68	1.5	20.50	19.06	19.12	19.00	0	19.50

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	21.69	21.58	21.56	0	22.00	19.09	18.98	18.83	0	19.50
		1	8	21.61	21.56	21.57	0	22.00	19.01	19.03	18.89	0	19.50
		1	14	21.54	21.53	21.52	0	22.00	18.91	18.96	18.84	0	19.50
		8	0	21.51	21.47	21.39	0	22.00	18.96	18.86	18.73	0	19.50
		8	4	21.44	21.46	21.39	0	22.00	18.88	18.85	18.73	0	19.50
		8	7	21.45	21.47	21.40	0	22.00	18.89	18.85	18.74	0	19.50
		15	0	21.45	21.46	21.42	0	22.00	18.86	18.84	18.73	0	19.50
	16QAM	1	0	21.84	21.79	21.85	0	22.00	19.27	19.26	19.08	0	19.50
		1	8	21.81	21.88	21.90	0	22.00	19.29	19.25	19.11	0	19.50
		1	14	21.78	21.86	21.81	0	22.00	19.25	19.20	19.07	0	19.50
		8	0	20.59	20.59	20.51	0.5	21.50	18.88	18.81	18.75	0	19.50
		8	4	20.53	20.60	20.51	0.5	21.50	18.80	18.80	18.73	0	19.50
		8	7	20.60	20.61	20.56	0.5	21.50	18.80	18.80	18.75	0	19.50
		15	0	20.55	20.57	20.54	0.5	21.50	18.79	18.78	18.69	0	19.50
	64QAM	1	0	20.90	21.03	20.68	0.5	21.50	19.27	19.36	19.07	0	19.50
		1	8	20.91	21.09	20.86	0.5	21.50	19.24	19.44	19.09	0	19.50
		1	14	20.87	20.96	20.71	0.5	21.50	19.22	19.42	19.08	0	19.50
		8	0	19.58	19.77	19.51	1.5	20.50	18.89	19.11	18.83	0	19.50
		8	4	19.57	19.75	19.51	1.5	20.50	18.90	19.10	18.82	0	19.50
		8	7	19.58	19.77	19.52	1.5	20.50	18.90	19.13	18.81	0	19.50
		15	0	19.56	19.71	19.54	1.5	20.50	18.89	19.06	18.73	0	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131979	132322	132665	MPR	Tune-up Limit	131979	132322	132665	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	21.55	21.42	21.38	0	22.00	19.05	18.92	18.88	0	19.50
		1	3	21.54	21.41	21.34	0	22.00	18.97	18.89	18.87	0	19.50
		1	5	21.56	21.44	21.37	0	22.00	19.00	18.92	18.90	0	19.50
		3	0	21.37	21.33	21.22	0	22.00	18.85	18.84	18.75	0	19.50
		3	1	21.33	21.33	21.22	0	22.00	18.85	18.83	18.75	0	19.50
		3	3	21.31	21.33	21.22	0	22.00	18.85	18.83	18.75	0	19.50
		6	0	21.26	21.28	21.21	0	22.00	18.78	18.79	18.74	0	19.50
	16QAM	1	0	21.74	21.62	21.68	0	22.00	19.25	19.14	19.23	0	19.50
		1	3	21.71	21.59	21.62	0	22.00	19.22	19.13	19.17	0	19.50
		1	5	21.69	21.64	21.67	0	22.00	19.26	19.13	19.23	0	19.50
		3	0	21.50	21.43	21.31	0.5	21.50	19.04	18.92	18.89	0	19.50
		3	1	21.48	21.39	21.35	0.5	21.50	19.02	18.92	18.85	0	19.50
		3	3	21.46	21.39	21.35	0.5	21.50	19.03	18.90	18.87	0	19.50
		6	0	20.50	20.50	20.50	0.5	21.50	18.94	18.81	18.70	0	19.50
	64QAM	1	0	20.94	21.11	20.64	0.5	21.50	19.50	19.36	19.11	0	19.50
		1	3	20.79	20.97	20.66	0.5	21.50	19.50	19.34	19.10	0	19.50
		1	5	20.90	20.92	20.72	0.5	21.50	19.50	19.42	19.13	0	19.50
		3	0	20.50	19.54	20.45	1.5	20.50	19.27	19.14	18.93	0	19.50
		3	1	20.50	19.54	20.42	1.5	20.50	19.14	19.09	18.91	0	19.50
		3	3	20.50	19.54	20.43	1.5	20.50	19.16	19.08	18.93	0	19.50
		6	0	19.53	19.54	19.50	1.5	20.50	19.01	19.05	18.86	0	19.50

LTE Band 66 Measured Results (ANT3)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132072	132322	132572	MPR	Tune-up Limit	132072	132322	132572	MPR	Tune-up Limit
				1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	24.14	24.30	24.04	0	25.00	20.60	20.40	20.58	0	21.00
		1	49	24.90	24.95	24.11	0	25.00	20.80	20.90	20.75	0	21.00
		1	99	24.85	24.16	24.05	0	25.00	20.33	20.63	20.52	0	21.00
		50	0	23.16	23.11	23.12	1	24.00	20.62	20.57	20.64	0	21.00
		50	24	23.30	23.50	23.15	1	24.00	20.85	20.88	20.80	0	21.00
		50	50	23.97	23.17	23.10	1	24.00	20.45	20.63	20.59	0	21.00
		100	0	23.02	23.14	23.13	1	24.00	20.51	20.61	20.60	0	21.00
	16QAM	1	0	23.43	23.36	23.34	1	24.00	20.91	20.80	20.38	0	21.00
		1	49	23.36	23.55	23.41	1	24.00	20.82	20.56	20.05	0	21.00
		1	99	23.17	23.59	23.34	1	24.00	20.65	20.01	20.88	0	21.00
		50	0	22.22	22.14	22.12	2	23.00	20.68	20.61	20.69	0	21.00
		50	24	22.15	22.24	22.15	2	23.00	20.58	20.63	20.73	0	21.00
		50	50	22.03	22.27	22.16	2	23.00	20.51	20.68	20.64	0	21.00
		100	0	22.08	22.22	22.18	2	23.00	20.55	20.63	20.70	0	21.00
	64QAM	1	0	22.26	22.33	22.42	2	23.00	20.65	20.73	20.94	0	21.00
		1	49	22.13	22.49	22.44	2	23.00	20.63	20.87	20.57	0	21.00
		1	99	22.96	22.54	22.38	2	23.00	20.41	20.94	20.87	0	21.00
		50	0	21.25	21.14	21.18	3	22.00	20.64	20.55	20.64	0	21.00
		50	24	21.10	21.21	21.21	3	22.00	20.56	20.58	20.66	0	21.00
		50	50	21.03	21.21	21.13	3	22.00	20.49	20.62	20.59	0	21.00
		100	0	21.09	21.16	21.18	3	22.00	20.51	20.58	20.65	0	21.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132047	132322	132597	MPR	Tune-up Limit	132047	132322	132597	MPR	Tune-up Limit
				1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	24.11	24.05	24.20	0	25.00	20.73	20.64	20.81	0	21.00
		1	37	24.11	24.18	24.13	0	25.00	20.72	20.70	20.81	0	21.00
		1	74	24.97	24.15	24.05	0	25.00	20.52	20.75	20.64	0	21.00
		36	0	23.25	23.10	23.19	1	24.00	20.79	20.65	20.77	0	21.00
		36	20	23.15	23.26	23.14	1	24.00	20.75	20.75	20.72	0	21.00
		36	39	23.10	23.27	23.08	1	24.00	20.66	20.76	20.67	0	21.00
		75	0	23.11	23.23	23.12	1	24.00	20.70	20.74	20.73	0	21.00
	16QAM	1	0	23.39	23.42	23.49	1	24.00	20.92	20.98	20.54	0	21.00
		1	37	23.37	23.55	23.45	1	24.00	20.95	20.36	20.19	0	21.00
		1	74	23.26	23.60	23.36	1	24.00	20.78	20.09	20.97	0	21.00
		36	0	22.29	22.18	22.27	2	23.00	20.84	20.70	20.83	0	21.00
		36	20	22.22	22.25	22.23	2	23.00	20.80	20.80	20.79	0	21.00
		36	39	22.10	22.25	22.18	2	23.00	20.71	20.80	20.74	0	21.00
		75	0	22.17	22.22	22.19	2	23.00	20.76	20.75	20.76	0	21.00
	64QAM	1	0	22.41	22.25	22.35	2	23.00	20.87	20.79	20.99	0	21.00
		1	37	22.45	22.39	22.26	2	23.00	20.99	20.89	20.91	0	21.00
		1	74	22.29	22.45	22.18	2	23.00	20.77	20.91	20.74	0	21.00
		36	0	21.37	21.22	21.23	3	22.00	20.74	20.69	20.81	0	21.00
		36	20	21.24	21.31	21.16	3	22.00	20.70	20.74	20.77	0	21.00
		36	39	21.15	21.33	21.19	3	22.00	20.60	20.77	20.71	0	21.00
		75	0	21.15	21.22	21.15	3	22.00	20.62	20.70	20.72	0	21.00

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	24.11	24.12	24.27	0	25.00	20.78	20.69	20.92	0	21.00
		1	25	24.16	24.16	24.20	0	25.00	20.81	20.74	20.84	0	21.00
		1	49	24.14	24.25	24.12	0	25.00	20.75	20.80	20.77	0	21.00
		25	0	23.18	23.15	23.18	1	24.00	20.75	20.70	20.84	0	21.00
		25	12	23.20	23.18	23.19	1	24.00	20.78	20.74	20.79	0	21.00
		25	25	23.15	23.21	23.14	1	24.00	20.74	20.77	20.73	0	21.00
		50	0	23.19	23.19	23.20	1	24.00	20.78	20.78	20.80	0	21.00
	16QAM	1	0	23.43	23.51	23.56	1	24.00	20.99	20.99	20.65	0	21.00
		1	25	23.44	23.51	23.49	1	24.00	20.74	20.43	20.24	0	21.00
		1	49	23.35	23.60	23.52	1	24.00	20.99	20.15	20.14	0	21.00
		25	0	22.19	22.19	22.25	2	23.00	20.79	20.76	20.89	0	21.00
		25	12	22.20	22.25	22.21	2	23.00	20.82	20.81	20.86	0	21.00
		25	25	22.15	22.27	22.14	2	23.00	20.79	20.85	20.79	0	21.00
		50	0	22.18	22.24	22.21	2	23.00	20.82	20.83	20.85	0	21.00
	64QAM	1	0	22.33	22.42	22.40	2	23.00	20.76	20.83	21.00	0	21.00
		1	25	22.32	22.41	22.40	2	23.00	20.80	20.92	20.92	0	21.00
		1	49	22.32	22.58	22.26	2	23.00	20.80	20.94	20.85	0	21.00
		25	0	21.30	21.22	21.25	3	22.00	20.68	20.69	20.81	0	21.00
		25	12	21.30	21.27	21.20	3	22.00	20.72	20.77	20.76	0	21.00
		25	25	21.25	21.30	21.15	3	22.00	20.71	20.78	20.69	0	21.00
		50	0	21.31	21.27	21.21	3	22.00	20.69	20.76	20.76	0	21.00

LTE Band 66 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131997	132322	132647			131997	132322	132647		
				1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	24.07	24.11	24.10	0	25.00	20.68	20.74	20.83	0	21.00
		1	12	24.07	24.14	24.01	0	25.00	20.68	20.77	20.71	0	21.00
		1	24	24.16	24.18	24.07	0	25.00	20.85	20.80	20.73	0	21.00
		12	0	23.03	23.12	23.08	1	24.00	20.65	20.74	20.73	0	21.00
		12	7	23.03	23.10	23.01	1	24.00	20.63	20.74	20.65	0	21.00
		12	13	23.09	23.11	23.01	1	24.00	20.71	20.74	20.65	0	21.00
		25	0	23.03	23.11	23.01	1	24.00	20.63	20.73	20.64	0	21.00
	16QAM	1	0	23.46	23.41	23.52	1	24.00	20.94	20.14	20.58	0	21.00
		1	12	23.44	23.44	23.44	1	24.00	20.94	20.49	20.74	0	21.00
		1	24	23.55	23.48	23.49	1	24.00	20.09	20.19	20.63	0	21.00
		12	0	22.02	22.12	22.05	2	23.00	20.61	20.76	20.68	0	21.00
		12	7	22.09	22.11	22.96	2	23.00	20.63	20.76	20.59	0	21.00
		12	13	22.15	22.16	22.96	2	23.00	20.73	20.78	20.56	0	21.00
		25	0	22.09	22.13	22.94	2	23.00	20.61	20.72	20.60	0	21.00
	64QAM	1	0	22.38	22.43	22.46	2	23.00	20.87	20.88	20.09	0	21.00
		1	12	22.32	22.35	22.36	2	23.00	20.86	20.96	20.97	0	21.00
		1	24	22.51	22.42	22.39	2	23.00	20.95	21.00	20.61	0	21.00
		12	0	21.11	21.08	21.05	3	22.00	20.61	20.63	20.64	0	21.00
		12	7	21.05	21.03	21.01	3	22.00	20.62	20.59	20.55	0	21.00
		12	13	21.14	21.03	21.01	3	22.00	20.63	20.61	20.54	0	21.00
		25	0	21.04	21.05	21.00	3	22.00	20.52	20.63	20.55	0	21.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131987	132322	132657			131987	132322	132657		
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	24.97	24.02	24.89	0	25.00	20.54	20.66	20.62	0	21.00
		1	8	24.98	24.06	24.97	0	25.00	20.61	20.72	20.61	0	21.00
		1	14	24.96	24.04	24.92	0	25.00	20.59	20.66	20.60	0	21.00
		8	0	23.89	24.00	23.83	1	24.00	20.47	20.61	20.49	0	21.00
		8	4	23.88	23.99	23.82	1	24.00	20.47	20.61	20.46	0	21.00
		8	7	23.89	23.99	23.81	1	24.00	20.48	20.62	20.47	0	21.00
		15	0	23.88	23.98	23.85	1	24.00	20.46	20.60	20.48	0	21.00
	16QAM	1	0	23.18	23.33	23.26	1	24.00	20.78	20.97	20.96	0	21.00
		1	8	23.25	23.35	23.32	1	24.00	20.81	20.37	21.00	0	21.00
		1	14	23.24	23.34	23.32	1	24.00	20.82	20.92	20.92	0	21.00
		8	0	22.86	22.96	22.82	2	23.00	20.48	20.56	20.51	0	21.00
		8	4	22.92	22.95	22.80	2	23.00	20.46	20.58	20.48	0	21.00
		8	7	22.93	22.99	22.80	2	23.00	20.47	20.57	20.50	0	21.00
		15	0	22.88	22.97	22.78	2	23.00	20.42	20.54	20.47	0	21.00
	64QAM	1	0	22.06	22.18	22.14	2	23.00	20.67	20.70	20.64	0	21.00
		1	8	22.13	22.32	22.15	2	23.00	20.59	20.81	20.68	0	21.00
		1	14	22.15	22.22	22.14	2	23.00	20.65	20.69	20.72	0	21.00
		8	0	21.86	21.95	21.87	3	22.00	20.66	20.78	20.71	0	21.00
		8	4	21.87	21.99	21.90	3	22.00	20.69	20.78	20.70	0	21.00
		8	7	21.90	21.02	21.92	3	22.00	20.70	20.78	20.73	0	21.00
		15	0	21.89	21.97	21.84	3	22.00	20.66	20.73	20.63	0	21.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131979	132322	132665			131979	132322	132665		
				1710.7 MHz	1745 MHz	1779.3 MHz			1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	24.04	24.08	24.00	0	25.00	20.65	20.77	20.65	0	21.00
		1	3	25.00	24.01	24.97	0	25.00	20.64	20.71	20.64	0	21.00
		1	5	24.04	24.05	24.98	0	25.00	20.64	20.75	20.64	0	21.00
		3	0	24.88	24.97	24.91	0	25.00	20.50	20.64	20.46	0	21.00
		3	1	24.87	24.95	24.92	0	25.00	20.48	20.68	20.46	0	21.00
		3	3	24.87	24.96	24.93	0	25.00	20.49	20.66	20.46	0	21.00
		6	0	23.82	23.92	23.88	1	24.00	20.42	20.62	20.47	0	21.00
	16QAM	1	0	23.22	23.26	23.19	1	24.00	20.86	20.94	20.73	0	21.00
		1	3	23.20	23.21	23.17	1	24.00	20.89	20.95	20.94	0	21.00
		1	5	23.28	23.26	23.17	1	24.00	20.85	20.97	20.95	0	21.00
		3	0	23.04	23.02	23.95	1	24.00	20.68	20.78	20.59	0	21.00
		3	1	23.02	23.01	23.98	1	24.00	20.64	20.74	20.60	0	21.00
		3	3	23.01	23.00	23.99	1	24.00	20.67	20.66	20.57	0	21.00
		6	0	22.98	22.97	22.90	2	23.00	20.59	20.60	20.41	0	21.00
	64QAM	1	0	22.21	22.45	22.16	2	23.00	20.95	20.90	20.74	0	21.00
		1	3	22.26	22.41	22.12	2	23.00	20.94	20.83	20.65	0	21.00
		1	5	22.21	22.41	22.16	2	23.00	20.83	20.79	20.73	0	21.00
		3	0	22.13	22.13	22.92	2	23.00	20.54	20.58	20.52	0	21.00
		3	1	22.10	22.10	22.91	2	23.00	20.56	20.58	20.54	0	21.00
		3	3	22.10	22.10	22.90	2	23.00	20.54	20.56	20.53	0	21.00
		6	0	21.93	21.95	21.88	3	22.00	20.44	20.52	20.46	0	21.00

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	20.67	20.60	20.84	0	21.25	21.17	21.10	21.34	0	21.50
		1	49	20.85	20.90	21.00	0	21.25	21.35	21.40	21.50	0	21.50
		1	99	20.54	20.88	20.79	0	21.25	21.04	21.38	21.29	0	21.50
		50	0	20.55	20.40	20.61	0	21.25	20.80	20.65	20.86	0	21.50
		50	24	20.75	20.75	20.75	0	21.25	20.84	21.00	20.89	0	21.50
		50	50	20.43	20.49	20.63	0	21.25	20.68	20.74	20.88	0	21.50
		100	0	20.40	20.41	20.40	0	21.25	20.60	20.66	20.60	0	21.50
	16QAM	1	0	20.90	20.63	20.87	0	21.25	21.15	20.88	21.12	0	21.50
		1	49	20.94	20.73	20.97	0	21.25	21.19	20.98	21.22	0	21.50
		1	99	20.64	20.96	20.87	0	21.25	20.89	21.21	21.12	0	21.50
		50	0	20.56	20.20	20.39	0.25	21.00	20.06	20.20	20.09	0.5	21.00
		50	24	20.34	20.22	20.46	0.25	21.00	20.04	20.22	20.16	0.5	21.00
		50	50	20.16	20.31	20.42	0.25	21.00	20.16	20.01	20.12	0.5	21.00
		100	0	20.32	20.21	20.45	0.25	21.00	20.02	20.21	20.15	0.5	21.00
	64QAM	1	0	20.45	20.41	20.68	0.25	21.00	20.15	20.11	20.08	0.5	21.00
		1	49	20.16	20.37	20.63	0.25	21.00	20.16	20.07	20.03	0.5	21.00
		1	99	20.07	20.49	20.71	0.25	21.00	20.07	20.19	20.11	0.5	21.00
		50	0	19.26	19.02	19.32	1.25	20.00	19.26	19.02	19.32	1.5	20.00
		50	24	19.18	19.14	19.38	1.25	20.00	19.18	19.14	19.38	1.5	20.00
		50	50	19.18	19.15	19.43	1.25	20.00	19.18	19.15	19.43	1.5	20.00
		100	0	19.15	19.12	19.36	1.25	20.00	19.15	19.12	19.36	1.5	20.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132047	132322	132597	MPR	Tune-up Limit	132047	132322	132597	MPR	Tune-up Limit
				1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	20.98	20.63	20.89	0	21.25	21.48	21.13	21.39	0	21.50
		1	37	20.90	20.62	20.92	0	21.25	21.40	21.12	21.42	0	21.50
		1	74	20.58	20.71	20.77	0	21.25	21.08	21.21	21.27	0	21.50
		36	0	20.74	20.31	20.66	0	21.25	20.99	20.56	20.91	0	21.50
		36	20	20.70	20.38	20.67	0	21.25	20.95	20.63	20.92	0	21.50
		36	39	20.50	20.45	20.60	0	21.25	20.75	20.70	20.85	0	21.50
		75	0	20.67	20.37	20.60	0	21.25	20.92	20.62	20.85	0	21.50
	16QAM	1	0	20.72	20.66	20.98	0	21.25	21.07	20.91	21.23	0	21.50
		1	37	20.96	20.73	20.71	0	21.25	21.21	20.98	21.01	0	21.50
		1	74	20.59	20.84	20.87	0	21.25	20.84	21.09	21.12	0	21.50
		36	0	20.55	20.13	20.51	0.25	21.00	20.15	20.13	20.11	0.5	21.00
		36	20	20.52	20.20	20.48	0.25	21.00	20.12	20.20	20.08	0.5	21.00
		36	39	20.33	20.25	20.39	0.25	21.00	20.03	20.05	20.09	0.5	21.00
		75	0	20.45	20.18	20.44	0.25	21.00	20.05	20.18	20.04	0.5	21.00
	64QAM	1	0	20.65	20.24	20.48	0.25	21.00	20.25	20.24	20.18	0.5	21.00
		1	37	20.52	20.40	20.60	0.25	21.00	20.22	20.25	20.20	0.5	21.00
		1	74	20.48	20.48	20.52	0.25	21.00	20.18	20.25	20.22	0.5	21.00
		36	0	19.29	19.11	19.39	1.25	20.00	19.29	19.11	19.39	1.5	20.00
		36	20	19.29	19.16	19.50	1.25	20.00	19.29	19.16	19.50	1.5	20.00
		36	39	19.22	19.29	19.49	1.25	20.00	19.22	19.29	19.49	1.5	20.00
		75	0	19.25	19.18	19.46	1.25	20.00	19.25	19.18	19.46	1.5	20.00

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	21.02	20.59	20.99	0	21.25	21.32	21.09	21.49	0	21.50
		1	25	21.02	20.65	20.89	0	21.25	21.32	21.15	21.39	0	21.50
		1	49	21.02	20.73	20.85	0	21.25	21.32	21.23	21.35	0	21.50
		25	0	20.77	20.34	20.68	0	21.25	20.62	20.59	20.93	0	21.50
		25	12	20.77	20.39	20.60	0	21.25	20.66	20.64	20.85	0	21.50
		25	25	20.77	20.48	20.57	0	21.25	20.82	20.73	20.82	0	21.50
		50	0	20.77	20.39	20.60	0	21.25	20.62	20.64	20.85	0	21.50
	16QAM	1	0	20.77	20.72	20.82	0	21.25	20.72	20.97	21.17	0	21.50
		1	25	20.77	20.69	20.73	0	21.25	20.62	20.94	21.08	0	21.50
		1	49	20.77	20.85	20.98	0	21.25	20.82	21.10	21.23	0	21.50
		25	0	20.52	20.16	20.51	0.25	21.00	20.22	20.16	20.11	0.5	21.00
		25	12	20.52	20.20	20.43	0.25	21.00	20.12	20.20	20.23	0.5	21.00
		25	25	20.52	20.28	20.39	0.25	21.00	20.12	20.18	20.19	0.5	21.00
		50	0	20.52	20.19	20.42	0.25	21.00	20.22	20.19	20.22	0.5	21.00
	64QAM	1	0	20.54	20.33	20.63	0.25	21.00	20.12	20.20	20.23	0.5	21.00
		1	25	20.41	20.34	20.71	0.25	21.00	20.12	20.18	20.19	0.5	21.00
		1	49	20.37	20.48	20.71	0.25	21.00	20.22	20.19	20.22	0.5	21.00
		25	0	19.38	19.13	19.55	1.25	20.00	19.38	19.13	19.55	1.5	20.00
		25	12	19.30	19.16	19.53	1.25	20.00	19.30	19.16	19.53	1.5	20.00
		25	25	19.32	19.30	19.52	1.25	20.00	19.32	19.30	19.52	1.5	20.00
		50	0	19.30	19.21	19.53	1.25	20.00	19.30	19.21	19.53	1.5	20.00

LTE Band 66 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131997	132322	132647	MPR	Tune-up Limit	131997	132322	132647	MPR	Tune-up Limit
				1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	20.84	20.54	20.78	0	21.25	21.34	21.04	21.28	0	21.50
		1	12	20.79	20.58	20.71	0	21.25	21.29	21.08	21.21	0	21.50
		1	24	20.81	20.66	20.75	0	21.25	21.31	21.16	21.25	0	21.50
		12	0	20.52	20.27	20.50	0	21.25	20.77	20.52	20.75	0	21.50
		12	7	20.50	20.35	20.45	0	21.25	20.75	20.60	20.70	0	21.50
		12	13	20.48	20.35	20.44	0	21.25	20.73	20.60	20.69	0	21.50
		25	0	20.47	20.25	20.43	0	21.25	20.72	20.50	20.68	0	21.50
	16QAM	1	0	20.95	20.55	20.98	0	21.25	21.20	20.80	21.23	0	21.50
		1	12	20.91	20.61	20.90	0	21.25	21.16	20.86	21.15	0	21.50
		1	24	20.91	20.73	20.95	0	21.25	21.16	20.98	21.20	0	21.50
		12	0	20.30	20.03	20.28	0.25	21.00	20.20	20.03	20.18	0.5	21.00
		12	7	20.28	20.03	20.20	0.25	21.00	20.18	20.03	20.20	0.5	21.00
		12	13	20.27	20.05	20.20	0.25	21.00	20.17	20.05	20.20	0.5	21.00
		25	0	20.27	20.05	20.16	0.25	21.00	20.17	20.05	20.16	0.5	21.00
	64QAM	1	0	20.73	20.26	20.73	0.25	21.00	20.18	20.03	20.20	0.5	21.00
		1	12	20.58	20.37	20.70	0.25	21.00	20.17	20.05	20.20	0.5	21.00
		1	24	20.54	20.46	20.72	0.25	21.00	20.17	20.05	20.16	0.5	21.00
		12	0	19.30	19.03	19.32	1.25	20.00	19.30	19.03	19.32	1.5	20.00
		12	7	19.24	19.00	19.31	1.25	20.00	19.24	19.00	19.31	1.5	20.00
		12	13	19.20	19.08	19.32	1.25	20.00	19.20	19.08	19.32	1.5	20.00
		25	0	19.23	19.11	19.31	1.25	20.00	19.23	19.11	19.31	1.5	20.00

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	20.79	20.44	20.62	0	21.25	21.29	21.34	21.12	0	21.50
		1	8	20.79	20.49	20.64	0	21.25	21.29	21.39	21.14	0	21.50
		1	14	20.74	20.45	20.60	0	21.25	21.24	21.35	21.10	0	21.50
		8	0	20.41	20.63	20.25	0	21.25	21.16	21.08	21.00	0	21.50
		8	4	20.40	20.62	20.74	0	21.25	21.15	21.07	21.19	0	21.50
		8	7	20.41	20.63	20.74	0	21.25	21.16	21.08	21.19	0	21.50
		15	0	20.40	20.61	20.26	0	21.25	21.15	21.06	21.01	0	21.50
	16QAM	1	0	20.74	20.51	20.73	0	21.25	21.49	21.26	21.48	0	21.50
		1	8	20.74	20.58	20.76	0	21.25	21.49	21.33	21.01	0	21.50
		1	14	20.73	20.53	20.70	0	21.25	21.48	21.28	21.45	0	21.50
		8	0	20.18	20.35	20.02	0.25	21.00	20.18	20.05	20.02	0.5	21.00
		8	4	20.17	20.37	20.10	0.25	21.00	20.17	20.07	20.10	0.5	21.00
		8	7	20.17	20.42	20.02	0.25	21.00	20.17	20.12	20.02	0.5	21.00
		15	0	20.17	20.38	20.02	0.25	21.00	20.17	20.08	20.02	0.5	21.00
	64QAM	1	0	20.36	20.14	20.43	0.25	21.00	20.16	20.14	20.23	0.5	21.00
		1	8	20.32	20.26	20.46	0.25	21.00	20.12	20.06	20.06	0.5	21.00
		1	14	20.28	20.17	20.38	0.25	21.00	20.08	20.17	20.18	0.5	21.00
		8	0	19.15	19.05	19.18	1.25	20.00	19.15	19.05	19.18	1.5	20.00
		8	4	19.14	19.03	19.16	1.25	20.00	19.14	19.03	19.16	1.5	20.00
		8	7	19.14	19.11	19.16	1.25	20.00	19.14	19.11	19.16	1.5	20.00
		15	0	19.14	19.05	19.09	1.25	20.00	19.14	19.05	19.09	1.5	20.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131979	132322	132665	MPR	Tune-up Limit	131979	132322	132665	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	20.81	20.57	20.65	0	21.25	21.32	21.08	21.16	0	21.50
		1	3	20.73	20.55	20.63	0	21.25	21.24	21.06	21.14	0	21.50
		1	5	20.77	20.57	20.67	0	21.25	21.28	21.08	21.18	0	21.50
		3	0	20.45	20.67	20.29	0	21.25	21.10	21.14	21.23	0	21.50
		3	1	20.44	20.66	20.78	0	21.25	21.04	21.14	21.21	0	21.50
		3	3	20.45	20.67	20.78	0	21.25	21.06	21.15	21.22	0	21.50
		6	0	20.40	20.61	20.26	0	21.25	21.11	21.22	21.27	0	21.50
	16QAM	1	0	20.72	20.66	20.69	0	21.25	21.47	21.41	21.44	0	21.50
		1	3	20.72	20.59	20.69	0	21.25	21.47	21.34	21.45	0	21.50
		1	5	20.71	20.65	20.67	0	21.25	21.46	21.40	21.42	0	21.50
		3	0	20.43	20.60	20.27	0	21.25	21.18	21.25	21.02	0	21.50
		3	1	20.42	20.62	20.85	0	21.25	21.17	21.20	21.50	0	21.50
		3	3	20.41	20.67	20.26	0	21.25	21.15	21.20	21.10	0	21.50
		6	0	20.15	20.61	20.07	0.25	21.00	20.15	20.21	20.07	0.5	21.00
	64QAM	1	0	20.42	20.34	20.42	0.25	21.00	20.12	20.04	20.12	0.5	21.00
		1	3	20.34	20.33	20.48	0.25	21.00	20.04	20.03	20.18	0.5	21.00
		1	5	20.38	20.39	20.40	0.25	21.00	20.08	20.09	20.10	0.5	21.00
		3	0	20.15	20.05	20.18	0.25	21.00	20.64	20.40	20.61	0.5	21.00
		3	1	20.17	20.40	20.21	0.25	21.00	20.57	20.48	20.62	0.5	21.00
		3	3	20.15	20.08	20.22	0.25	21.00	20.55	20.58	20.72	0.5	21.00
		6	0	19.08	19.03	19.15	1.25	20.00	19.08	19.03	19.15	1.5	20.00

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	25.10	0	25.70	25.10	0	25.70
		1	49	25.50	0	25.70	25.50	0	25.70
		1	99	25.31	0	25.70	25.31	0	25.70
		50	0	24.18	1	24.70	24.18	1	24.70
		50	24	24.60	1	24.70	24.60	1	24.70
		50	50	24.11	1	24.70	24.11	1	24.70
		100	0	24.22	1	24.70	24.22	1	24.70
	16QAM	1	0	24.48	1	24.70	24.48	1	24.70
		1	49	24.63	1	24.70	24.63	1	24.70
		1	99	24.70	1	24.70	24.70	1	24.70
		50	0	23.15	2	23.70	23.15	2	23.70
		50	24	23.16	2	23.70	23.16	2	23.70
		50	50	23.09	2	23.70	23.09	2	23.70
		100	0	23.19	2	23.70	23.19	2	23.70
	64QAM	1	0	23.22	2	23.70	23.22	2	23.70
		1	49	23.20	2	23.70	23.20	2	23.70
		1	99	23.58	2	23.70	23.58	2	23.70
		50	0	21.92	3	22.70	21.92	3	22.70
		50	24	21.80	3	22.70	21.80	3	22.70
		50	50	21.93	3	22.70	21.93	3	22.70
		100	0	21.81	3	22.70	21.81	3	22.70

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		
15 MHz	QPSK	1	0	25.19	0	25.70	25.19	0	25.70
		1	37	25.08	0	25.70	25.08	0	25.70
		1	74	25.17	0	25.70	25.17	0	25.70
		36	0	23.99	1	24.70	23.99	1	24.70
		36	20	24.05	1	24.70	24.05	1	24.70
		36	39	24.08	1	24.70	24.08	1	24.70
		75	0	24.11	1	24.70	24.11	1	24.70
	16QAM	1	0	24.55	1	24.70	24.55	1	24.70
		1	37	24.40	1	24.70	24.40	1	24.70
		1	74	24.56	1	24.70	24.56	1	24.70
		36	0	23.00	2	23.70	23.00	2	23.70
		36	20	23.06	2	23.70	23.06	2	23.70
		36	39	23.12	2	23.70	23.12	2	23.70
		75	0	23.08	2	23.70	23.08	2	23.70
	64QAM	1	0	23.22	2	23.70	23.22	2	23.70
		1	37	22.93	2	23.70	22.93	2	23.70
		1	74	23.17	2	23.70	23.17	2	23.70
		36	0	21.88	3	22.70	21.88	3	22.70
		36	20	21.80	3	22.70	21.80	3	22.70
		36	39	21.92	3	22.70	21.92	3	22.70
		75	0	21.83	3	22.70	21.83	3	22.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
				133172	133297	133422	MPR	133172	133297	133422	MPR
				668 MHz	680.5 MHz	693 MHz		668 MHz	680.5 MHz	693 MHz	
10 MHz	QPSK	1	0	25.25	25.06	25.17	0	25.25	25.06	25.17	0
		1	25	25.04	25.08	25.01	0	25.04	25.08	25.01	0
		1	49	25.10	25.19	25.10	0	25.10	25.19	25.10	0
		25	0	24.05	24.05	23.98	1	24.05	24.05	23.98	1
		25	12	23.99	24.07	23.97	1	23.99	24.07	23.97	1
		25	25	24.13	24.12	23.93	1	24.13	24.12	23.93	1
		50	0	24.06	24.07	23.98	1	24.06	24.07	23.98	1
	16QAM	1	0	24.41	24.38	24.52	1	24.41	24.38	24.52	1
		1	25	24.29	24.43	24.30	1	24.29	24.43	24.30	1
		1	49	24.39	24.55	24.41	1	24.39	24.55	24.41	1
		25	0	23.11	23.05	22.98	2	23.11	23.05	22.98	2
		25	12	22.99	23.05	22.99	2	22.99	23.05	22.99	2
		25	25	23.14	23.13	22.97	2	23.14	23.13	22.97	2
		50	0	23.06	23.04	23.00	2	23.06	23.04	23.00	2
	64QAM	1	0	23.44	23.07	23.11	2	23.44	23.07	23.11	2
		1	25	23.18	22.86	22.96	2	23.18	22.86	22.96	2
		1	49	23.11	23.12	23.31	2	23.11	23.12	23.31	2
		25	0	22.09	21.72	21.79	3	22.09	21.72	21.79	3
		25	12	22.06	21.72	21.77	3	22.06	21.72	21.77	3
		25	25	21.96	21.78	21.93	3	21.96	21.78	21.93	3
		50	0	22.13	21.79	21.82	3	22.13	21.79	21.82	3

LTE Band 71 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				133147	133297	133447	MPR	Tune-up Limit	133147	133297	133447	MPR	Tune-up Limit
				665.5 MHz	680.5 MHz	695.5 MHz			665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	QPSK	1	0	25.18	25.09	25.01	0	25.70	25.18	25.09	25.01	0	25.70
		1	12	25.11	25.11	24.96	0	25.70	25.11	25.11	24.96	0	25.70
		1	24	25.08	25.19	25.07	0	25.70	25.08	25.19	25.07	0	25.70
		12	0	24.11	24.10	23.90	1	24.70	24.11	24.10	23.90	1	24.70
		12	7	24.03	24.06	23.86	1	24.70	24.03	24.06	23.86	1	24.70
		12	13	24.02	24.11	23.96	1	24.70	24.02	24.11	23.96	1	24.70
		25	0	24.02	24.07	23.90	1	24.70	24.02	24.07	23.90	1	24.70
	16QAM	1	0	24.65	24.39	24.39	1	24.70	24.65	24.39	24.39	1	24.70
		1	12	24.51	24.42	24.39	1	24.70	24.51	24.42	24.39	1	24.70
		1	24	24.46	24.53	24.49	1	24.70	24.46	24.53	24.49	1	24.70
		12	0	23.08	23.03	22.93	2	23.70	23.08	23.03	22.93	2	23.70
		12	7	22.98	23.01	22.90	2	23.70	22.98	23.01	22.90	2	23.70
		12	13	22.96	23.09	22.91	2	23.70	22.96	23.09	22.91	2	23.70
		25	0	23.01	23.00	22.88	2	23.70	23.01	23.00	22.88	2	23.70
	64QAM	1	0	23.42	23.07	22.87	2	23.70	23.42	23.07	22.87	2	23.70
		1	12	23.32	23.00	23.03	2	23.70	23.32	23.00	23.03	2	23.70
		1	24	23.25	23.19	23.29	2	23.70	23.25	23.19	23.29	2	23.70
		12	0	21.97	21.77	21.75	3	22.70	21.97	21.77	21.75	3	22.70
		12	7	21.91	21.71	21.80	3	22.70	21.91	21.71	21.80	3	22.70
		12	13	21.82	21.71	21.92	3	22.70	21.82	21.71	21.92	3	22.70
		25	0	21.94	21.72	21.81	3	22.70	21.94	21.72	21.81	3	22.70

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	23.58	0	24.50	23.58	0	24.50
		1	49	24.45	0	24.50	24.45	0	24.50
		1	99	24.30	0	24.50	24.30	0	24.50
		50	0	23.32	1	23.50	23.32	1	23.50
		50	24	23.50	1	23.50	23.50	1	23.50
		50	50	23.35	1	23.50	23.35	1	23.50
		100	0	23.34	1	23.50	23.34	1	23.50
	16QAM	1	0	23.00	1	23.50	23.00	1	23.50
		1	49	22.72	1	23.50	22.72	1	23.50
		1	99	22.93	1	23.50	22.93	1	23.50
		50	0	22.27	2	22.50	22.27	2	22.50
		50	24	22.32	2	22.50	22.32	2	22.50
		50	50	22.45	2	22.50	22.45	2	22.50
		100	0	22.36	2	22.50	22.36	2	22.50
	64QAM	1	0	22.09	2	22.50	22.09	2	22.50
		1	49	21.72	2	22.50	21.72	2	22.50
		1	99	21.82	2	22.50	21.82	2	22.50
		50	0	21.44	3	21.50	21.44	3	21.50
		50	24	21.39	3	21.50	21.39	3	21.50
		50	50	21.41	3	21.50	21.41	3	21.50
		100	0	21.46	3	21.50	21.46	3	21.50

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		
15 MHz	QPSK	1	0	23.59	0	24.50	23.59	0	24.50
		1	37	24.48	0	24.50	24.48	0	24.50
		1	74	24.31	0	24.50	24.31	0	24.50
		36	0	23.35	1	23.50	23.35	1	23.50
		36	20	23.40	1	23.50	23.40	1	23.50
		36	39	23.35	1	23.50	23.35	1	23.50
		75	0	23.41	1	23.50	23.41	1	23.50
	16QAM	1	0	22.97	1	23.50	22.97	1	23.50
		1	37	22.84	1	23.50	22.84	1	23.50
		1	74	22.70	1	23.50	22.70	1	23.50
		36	0	22.38	2	22.50	22.38	2	22.50
		36	20	22.49	2	22.50	22.49	2	22.50
		36	39	22.40	2	22.50	22.40	2	22.50
		75	0	22.49	2	22.50	22.49	2	22.50
	64QAM	1	0	21.91	2	22.50	21.91	2	22.50
		1	37	21.86	2	22.50	21.86	2	22.50
		1	74	21.67	2	22.50	21.67	2	22.50
		36	0	21.48	3	21.50	21.48	3	21.50
		36	20	20.60	3	21.50	20.60	3	21.50
		36	39	20.56	3	21.50	20.56	3	21.50
		75	0	20.58	3	21.50	20.58	3	21.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
				133172	133297	133422	MPR	133172	133297	133422	MPR
				668 MHz	680.5 MHz	693 MHz		668 MHz	680.5 MHz	693 MHz	
10 MHz	QPSK	1	0	23.56	24.39	24.38	0	23.56	24.39	24.38	0
		1	25	24.41	24.40	24.26	0	24.41	24.40	24.26	0
		1	49	23.52	24.33	24.41	0	23.52	24.33	24.41	0
		25	0	23.45	23.36	23.17	1	23.45	23.36	23.17	1
		25	12	23.41	23.39	23.20	1	23.41	23.39	23.20	1
		25	25	23.44	23.37	23.24	1	23.44	23.37	23.24	1
		50	0	23.45	23.42	23.24	1	23.45	23.42	23.24	1
	16QAM	1	0	22.80	22.80	22.80	1	22.80	22.80	22.80	1
		1	25	22.68	22.78	22.61	1	22.68	22.78	22.61	1
		1	49	22.78	22.75	22.81	1	22.78	22.75	22.81	1
		25	0	22.46	22.39	22.19	2	22.46	22.39	22.19	2
		25	12	22.44	22.41	22.23	2	22.44	22.41	22.23	2
		25	25	22.49	22.41	22.29	2	22.49	22.41	22.29	2
		50	0	22.49	22.41	22.23	2	22.49	22.41	22.23	2
	64QAM	1	0	21.88	21.72	21.73	2	21.88	21.72	21.73	2
		1	25	21.71	21.93	21.61	2	21.71	21.93	21.61	2
		1	49	21.94	21.80	21.69	2	21.94	21.80	21.69	2
		25	0	20.56	20.53	21.25	3	20.56	20.53	21.25	3
		25	12	20.54	20.57	21.29	3	20.54	20.57	21.29	3
		25	25	20.81	20.70	21.33	3	20.81	20.70	21.33	3
		50	0	20.64	20.63	21.35	3	20.64	20.63	21.35	3

LTE Band 71 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				133147	133297	133447	MPR	Tune-up Limit	133147	133297	133447	MPR	Tune-up Limit
				665.5 MHz	680.5 MHz	695.5 MHz			665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	QPSK	1	0	23.52	24.42	24.17	0	24.50	23.52	24.42	24.17	0	24.50
		1	12	24.43	24.44	24.21	0	24.50	24.43	24.44	24.21	0	24.50
		1	24	24.37	24.45	24.32	0	24.50	24.37	24.45	24.32	0	24.50
		12	0	23.46	23.39	23.15	1	23.50	23.46	23.39	23.15	1	23.50
		12	7	23.39	23.35	23.13	1	23.50	23.39	23.35	23.13	1	23.50
		12	13	23.40	23.35	23.23	1	23.50	23.40	23.35	23.23	1	23.50
		25	0	23.36	23.36	23.18	1	23.50	23.36	23.36	23.18	1	23.50
	16QAM	1	0	22.85	22.76	22.69	1	23.50	22.85	22.76	22.69	1	23.50
		1	12	22.81	22.76	22.74	1	23.50	22.81	22.76	22.74	1	23.50
		1	24	22.78	22.76	22.83	1	23.50	22.78	22.76	22.83	1	23.50
		12	0	22.44	22.39	22.18	2	22.50	22.44	22.39	22.18	2	22.50
		12	7	22.35	22.36	22.15	2	22.50	22.35	22.36	22.15	2	22.50
		12	13	22.35	22.34	22.18	2	22.50	22.35	22.34	22.18	2	22.50
		25	0	22.37	22.30	22.13	2	22.50	22.37	22.30	22.13	2	22.50
	64QAM	1	0	21.97	21.94	21.64	2	22.50	21.97	21.94	21.64	2	22.50
		1	12	21.84	22.03	21.63	2	22.50	21.84	22.03	21.63	2	22.50
		1	24	21.83	22.06	21.66	2	22.50	21.83	22.06	21.66	2	22.50
		12	0	21.48	21.48	21.26	3	21.50	21.48	21.48	21.26	3	21.50
		12	7	21.40	21.49	21.23	3	21.50	21.40	21.49	21.23	3	21.50
		12	13	21.39	20.50	21.32	3	21.50	21.39	20.50	21.32	3	21.50
		25	0	21.44	20.52	21.23	3	21.50	21.44	20.52	21.23	3	21.50

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

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

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

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

Where M_A is defined as follows

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

$3.83 – 0.83A$;$0.4 \le A \le 1$

and M_{IM5} is defined as follows

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

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

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

Where

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

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

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

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

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

MPR = CEIL{M_A, 0.5}

Where M_N is defined as follows

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

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

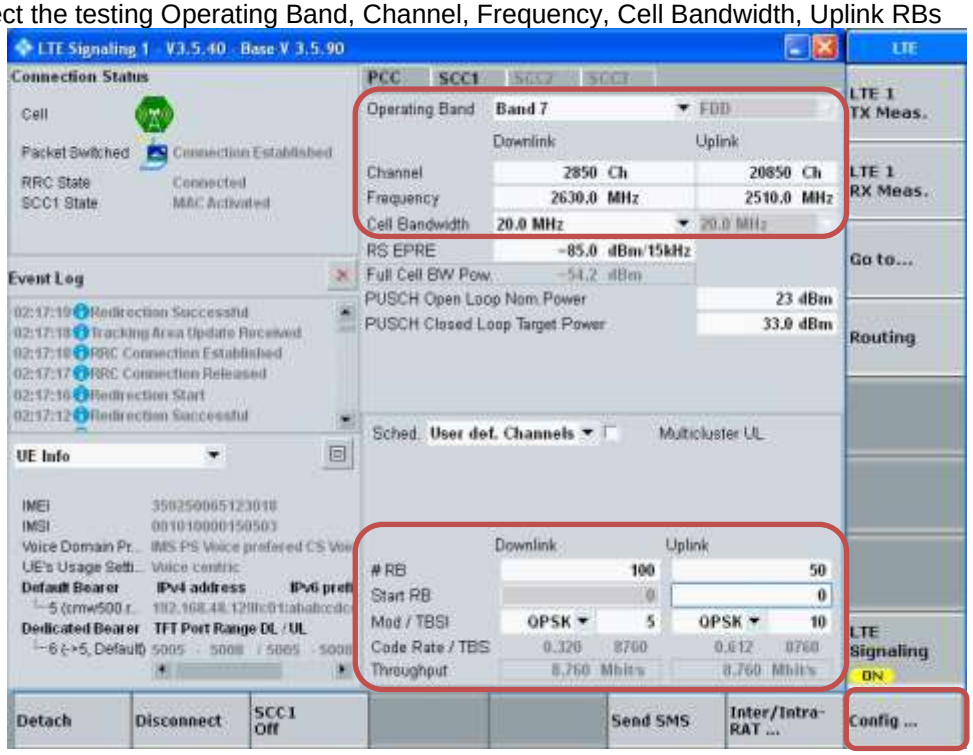
Where $N = N_{RB\_alloc}$ is the number of allocated resource blocks.

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

LTE Carrier Aggregation Test Signal Set-up Procedure

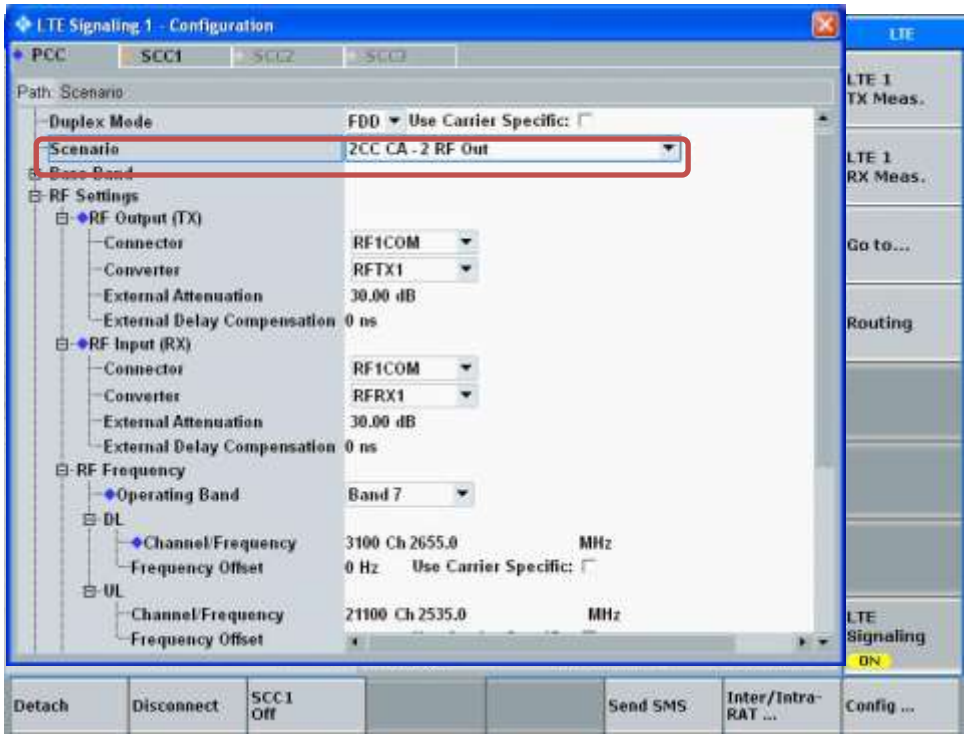
(Use normal LTE set-up procedure in addition with the following steps)

Set to CMW-500 with following parameters:

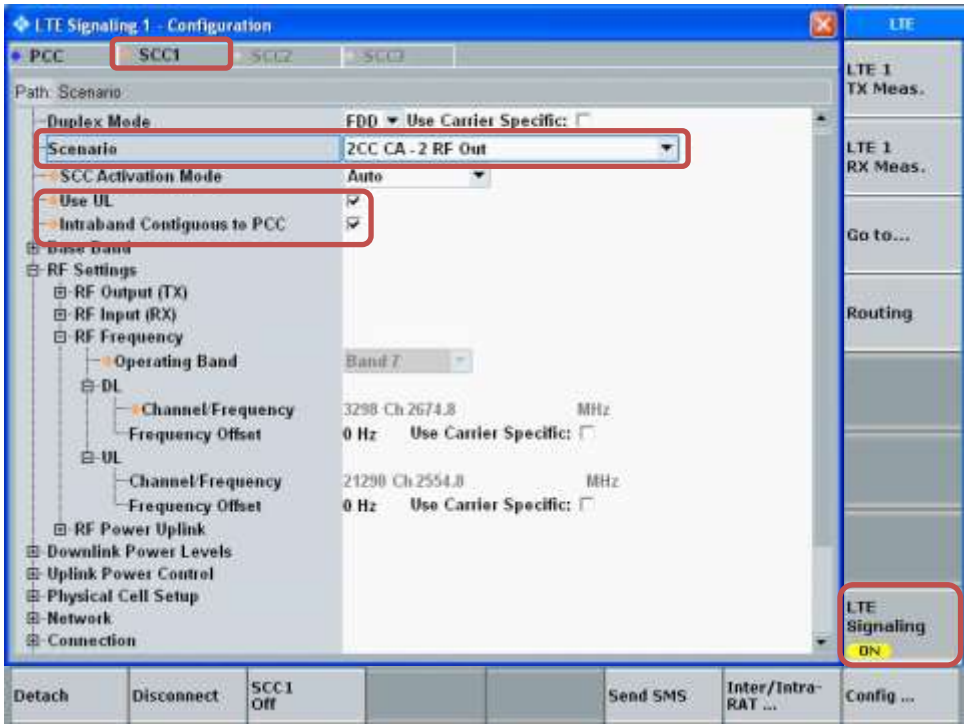
- PCC tab:
  - Select the testing Operating Band, Channel, Frequency, Cell Bandwidth, Uplink RBs
  - 

- Go to “Config….”

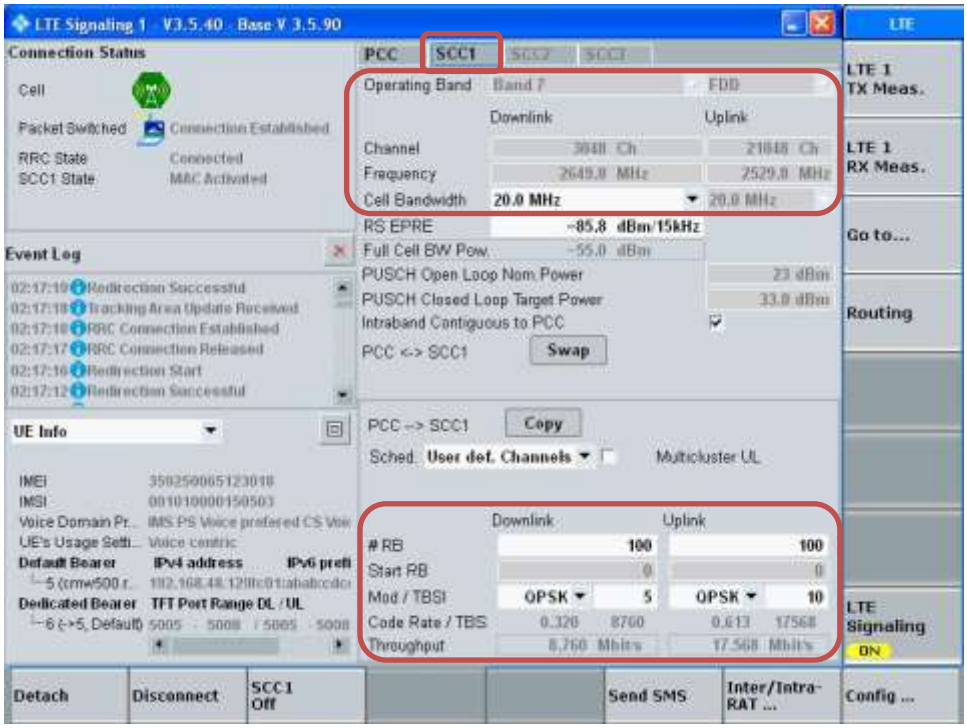
- Go to “Scenario”
- Set to “2CC CA – 2 RF Out”



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

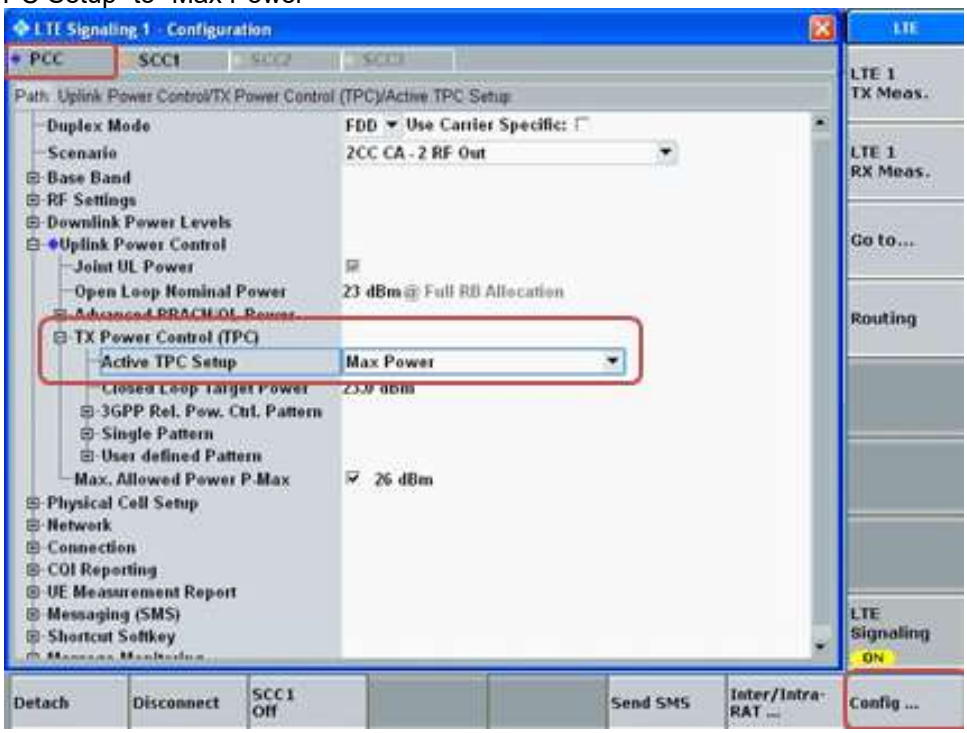


- Select “SCC1” tab
  - Select the testing Cell Bandwidth, Uplink RBs

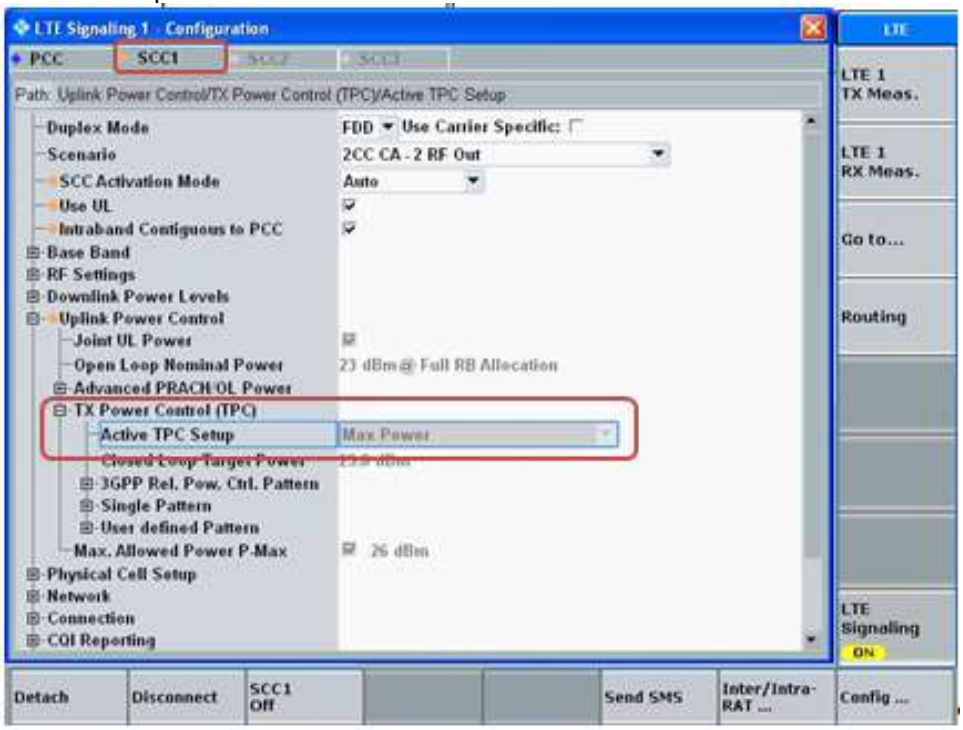


Max Power Setting

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

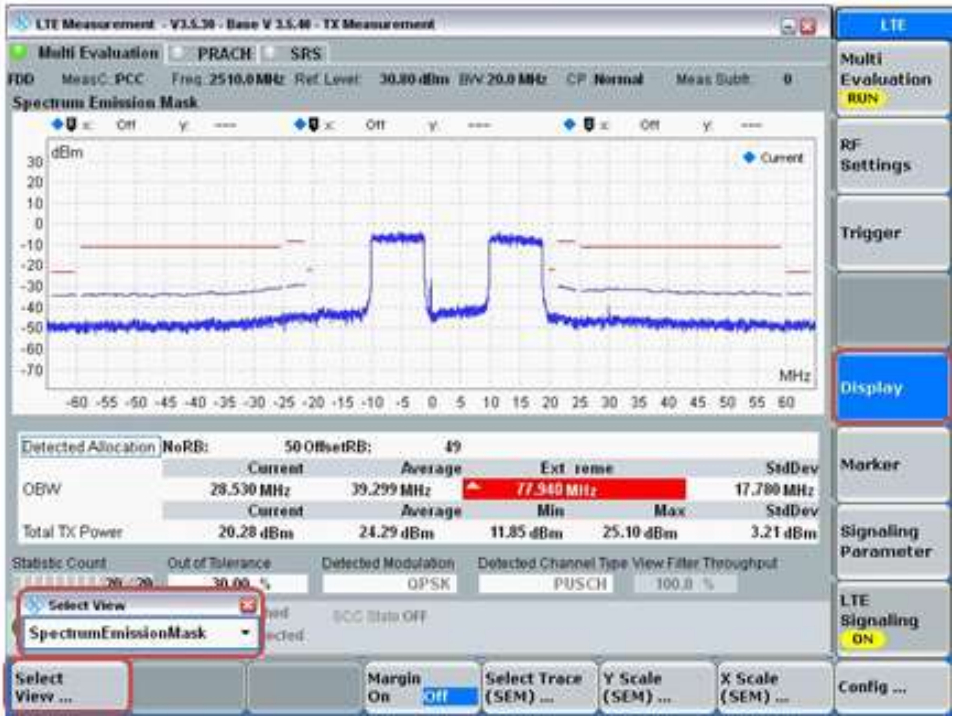


- Select SCC1 tab
- Verify that “Active TPC Setup” is set to “Max Power”



View TX Power

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



LTE Intra-Band Contiguous Carrier Aggregation

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

UL CA power measurements were performed for each antennas (ANT1, ANT2, ANT3 and ANT4) at with QPSK modulation based on the worst-case standalone SAR.

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

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

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

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

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

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

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	25.00	25.00	23.50	23.50				
CA_7C	QPSK	25.00	20.25	19.25	20.50	24.50	20.00	18.00	18.50
CA_41C (PC3)	QPSK	25.00	23.25	21.50	21.50	24.50	22.25	18.75	19.75
CA_41C (PC2)	QPSK	27.00	23.25	21.50	23.25	26.50	22.25	18.75	19.75

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	836.5	1	49	5	843.9	1	0	25.70	25.52	25.00	24.98	-0.5
CA_5B	ANT 1	Mode B	QPSK	10	836.5	1	49	5	843.9	1	0	25.70	25.52	25.00	24.98	-0.5
CA_5B	ANT 2	Mode A	QPSK	10	836.5	1	49	5	843.9	1	0	24.50	24.37	23.50	23.50	-0.9
CA_5B	ANT 2	Mode B	QPSK	10	836.5	1	49	5	843.9	1	0	24.50	24.37	23.50	23.50	-0.9

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	2535	1	99	20	2554.8	1	0	25.70	25.66	25.00	24.94	-0.7
CA_7C	ANT 1	Mode B	QPSK	20	2535	1	99	20	2554.8	1	0	20.25	20.05	20.25	20.25	0.2
CA_7C	ANT 1	Mode B	QPSK	20	2510	1	99	20	2529.8	1	0	20.25	20.12	20.25	20.25	0.1
CA_7C	ANT 2	Mode A	QPSK	20	2510	1	99	20	2529.8	1	0	19.25	19.20	19.25	19.20	0.0
CA_7C	ANT 2	Mode B	QPSK	20	2535	1	99	20	2554.8	1	0	20.50	20.09	20.50	20.50	0.4
CA_7C	ANT 3	Mode A	QPSK	20	2535	1	99	20	2554.8	1	0	25.00	24.50	24.50	24.43	-0.1
CA_7C	ANT 3	Mode B	QPSK	20	2535	1	99	20	2554.8	1	0	20.00	19.50	20.00	19.92	0.4
CA_7C	ANT 3	Mode B	QPSK	20	2510	1	99	20	2529.8	1	0	20.00	19.74	20.00	19.82	0.1
CA_7C	ANT 4	Mode A	QPSK	20	2510	1	99	20	2529.8	1	0	18.00	17.90	18.00	17.95	0.1
CA_7C	ANT 4	Mode B	QPSK	20	2510	1	99	20	2529.8	1	0	18.50	18.20	18.50	18.48	0.3

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	2593	1	99	20	2612.8	1	0	25.70	25.50	25.00	24.87	-0.6
CA_41C	ANT 1	Mode B	QPSK	20	2593	1	99	20	2612.8	1	0	23.25	23.20	23.25	23.22	0.0
CA_41C	ANT 1	Mode B	QPSK	20	2593	1	99	20	2612.8	1	0	23.25	23.20	23.25	23.21	0.0
CA_41C	ANT 2	Mode A	QPSK	20	2680	1	0	20	2660.2	1	99	21.50	21.48	21.50	21.49	0.0
CA_41C	ANT 2	Mode B	QPSK	20	2593	1	99	20	2612.8	1	0	23.25	23.25	21.50	21.30	-2.0
CA_41C	ANT 3	Mode A	QPSK	20	2593	1	99	20	2612.8	1	0	25.50	25.48	24.50	24.46	-1.0
CA_41C	ANT 3	Mode B	QPSK	20	2549.5	1	99	20	2569.3	1	0	22.25	22.24	22.25	22.22	0.0
CA_41C	ANT 4	Mode A	QPSK	20	2680	1	0	20	2660.2	1	99	18.75	18.65	18.75	18.73	0.1
CA_41C	ANT 4	Mode B	QPSK	20	2593	1	99	20	2612.8	1	0	19.75	19.60	19.75	19.72	0.1
CA_41C	ANT 4	Mode B	QPSK	20	2680	1	0	20	2660.2	1	99	19.75	19.50	19.75	19.73	0.2

Note(s):

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

LTE Inter-Band Carrier Aggregation

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

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

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

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

UL CA inter-bands	RF Exposure Conditions	Antennna Ports				Standalone worst-case position				UL CA				
						Tune-up Limit (dBm)		Reported 1-g SAR (W/kg)		Tune-up Limit (-3dB) (dBm)		Reported 1-g SAR (W/kg)		
		CC1		CC2		CC1	CC2	CC1	CC2	CC1	CC2	CC1	CC2	CC1+CC2
CA_2A-5A	Head	ANT1	2A	ANT2	5A	25.70	24.50	0.282	0.453	22.70	21.50	0.141	0.227	**0.368**
		ANT2	2A	ANT1	5A	22.00	25.70	0.984	0.219	19.00	22.70	0.493	0.110	**0.603**
		ANT3	2A	ANT1	5A	25.00	25.70	0.644	0.219	22.00	22.70	0.323	0.110	**0.433**
		ANT3	2A	ANT2	5A	25.00	24.50	0.644	0.453	22.00	21.50	0.323	0.227	**0.550**
		ANT4	2A	ANT1	5A	17.75	25.70	0.987	0.219	14.75	22.70	0.495	0.110	**0.604**
		ANT4	2A	ANT2	5A	17.75	24.50	0.987	0.453	14.75	21.50	0.495	0.227	**0.722**
	Body	ANT1	2A	ANT2	5A	21.25	24.50	0.871	0.544	18.25	21.50	0.437	0.273	**0.709**
		ANT2	2A	ANT1	5A	19.25	25.70	0.845	0.482	16.25	22.70	0.424	0.242	**0.665**
		ANT3	2A	ANT1	5A	20.50	25.70	0.955	0.482	17.50	22.70	0.479	0.242	**0.720**
		ANT3	2A	ANT2	5A	20.50	24.50	0.955	0.544	17.50	21.50	0.479	0.273	**0.751**
		ANT4	2A	ANT1	5A	19.00	25.70	0.887	0.482	16.00	22.70	0.445	0.242	**0.686**
		ANT4	2A	ANT2	5A	19.00	24.50	0.887	0.544	16.00	21.50	0.445	0.273	**0.717**
CA_2A-12A	Head	ANT1	2A	ANT2	12A	25.70	24.50	0.282	0.332	22.70	21.50	0.141	0.166	**0.308**
		ANT2	2A	ANT1	12A	22.00	25.70	0.984	0.186	19.00	22.70	0.493	0.093	**0.586**
		ANT3	2A	ANT1	12A	25.00	25.70	0.644	0.186	22.00	22.70	0.323	0.093	**0.416**
		ANT3	2A	ANT2	12A	25.00	24.50	0.644	0.332	22.00	21.50	0.323	0.166	**0.489**
		ANT4	2A	ANT1	12A	17.75	25.70	0.987	0.186	14.75	22.70	0.495	0.093	**0.588**
		ANT4	2A	ANT2	12A	17.75	24.50	0.987	0.332	14.75	21.50	0.495	0.166	**0.661**
	Body	ANT1	2A	ANT2	12A	21.25	24.50	0.871	0.376	18.25	21.50	0.437	0.188	**0.625**
		ANT2	2A	ANT1	12A	19.25	25.70	0.845	0.684	16.25	22.70	0.424	0.343	**0.766**
		ANT3	2A	ANT1	12A	20.50	25.70	0.955	0.684	17.50	22.70	0.479	0.343	**0.821**
		ANT3	2A	ANT2	12A	20.50	24.50	0.955	0.376	17.50	21.50	0.479	0.188	**0.667**
		ANT4	2A	ANT1	12A	19.00	25.70	0.887	0.684	16.00	22.70	0.445	0.343	**0.787**
		ANT4	2A	ANT2	12A	19.00	24.50	0.887	0.376	16.00	21.50	0.445	0.188	**0.633**
CA_2A-13A	Head	ANT1	2A	ANT2	13A	25.70	24.50	0.282	0.344	22.70	21.50	0.141	0.172	**0.314**
		ANT2	2A	ANT1	13A	22.00	25.70	0.984	0.193	19.00	22.70	0.493	0.097	**0.590**
		ANT3	2A	ANT1	13A	25.00	25.70	0.644	0.193	22.00	22.70	0.323	0.097	**0.419**
		ANT3	2A	ANT2	13A	25.00	24.50	0.644	0.344	22.00	21.50	0.323	0.172	**0.495**
		ANT4	2A	ANT1	13A	17.75	25.70	0.987	0.193	14.75	22.70	0.495	0.097	**0.591**
		ANT4	2A	ANT2	13A	17.75	24.50	0.987	0.344	14.75	21.50	0.495	0.172	**0.667**
	Body	ANT1	2A	ANT2	13A	21.25	24.50	0.871	0.399	18.25	21.50	0.437	0.200	**0.637**
		ANT2	2A	ANT1	13A	19.25	25.70	0.845	0.524	16.25	22.70	0.424	0.263	**0.686**
		ANT3	2A	ANT1	13A	20.50	25.70	0.955	0.524	17.50	22.70	0.479	0.263	**0.741**
		ANT3	2A	ANT2	13A	20.50	24.50	0.955	0.399	17.50	21.50	0.479	0.200	**0.679**
		ANT4	2A	ANT1	13A	19.00	25.70	0.887	0.524	16.00	22.70	0.445	0.263	**0.707**
		ANT4	2A	ANT2	13A	19.00	24.50	0.887	0.399	16.00	21.50	0.445	0.200	**0.645**

UL CA inter-bands	RF Exposure Conditions	Antennna Ports				Standalone worst-case position				UL CA				
						Tune-up Limit (dBm)		Reported 1-g SAR (W/kg)		Tune-up Limit (-3dB) (dBm)		Reported 1-g SAR (W/kg)		
		CC1		CC2		CC1	CC2	CC1	CC2	CC1	CC2	CC1	CC2	CC1+CC2
CA_2A-14A	Head	ANT1	2A	ANT2	14A	25.70	24.50	0.282	0.403	22.70	21.50	0.141	0.202	**0.343**
		ANT2	2A	ANT1	14A	22.00	25.70	0.984	0.217	19.00	22.70	0.493	0.109	**0.602**
		ANT3	2A	ANT1	14A	25.00	25.70	0.644	0.217	22.00	22.70	0.323	0.109	**0.432**
		ANT3	2A	ANT2	14A	25.00	24.50	0.644	0.403	22.00	21.50	0.323	0.202	**0.525**
		ANT4	2A	ANT1	14A	17.75	25.70	0.987	0.217	14.75	22.70	0.495	0.109	**0.603**
		ANT4	2A	ANT2	14A	17.75	24.50	0.987	0.403	14.75	21.50	0.495	0.202	**0.697**
	Body	ANT1	2A	ANT2	14A	21.25	24.50	0.871	0.313	18.25	21.50	0.437	0.157	**0.593**
		ANT2	2A	ANT1	14A	19.25	25.70	0.845	0.427	16.25	22.70	0.424	0.214	**0.638**
		ANT3	2A	ANT1	14A	20.50	25.70	0.955	0.427	17.50	22.70	0.479	0.214	**0.693**
		ANT3	2A	ANT2	14A	20.50	24.50	0.955	0.313	17.50	21.50	0.479	0.157	**0.636**
		ANT4	2A	ANT1	14A	19.00	25.70	0.887	0.427	16.00	22.70	0.445	0.214	**0.659**
		ANT4	2A	ANT2	14A	19.00	24.50	0.887	0.313	16.00	21.50	0.445	0.157	**0.601**
CA_4A-5A	Head	ANT1	4A	ANT2	5A	25.70	24.50	0.162	0.453	22.70	21.50	0.081	0.227	**0.308**
		ANT2	4A	ANT1	5A	22.00	25.70	0.990	0.219	19.00	22.70	0.496	0.110	**0.606**
		ANT3	4A	ANT1	5A	25.00	25.70	0.366	0.219	22.00	22.70	0.183	0.110	**0.293**
		ANT3	4A	ANT2	5A	25.00	24.50	0.366	0.453	22.00	21.50	0.183	0.227	**0.410**
		ANT4	4A	ANT1	5A	21.25	25.70	0.987	0.219	18.25	22.70	0.495	0.110	**0.604**
		ANT4	4A	ANT2	5A	21.25	24.50	0.987	0.453	18.25	21.50	0.495	0.227	**0.722**
	Body	ANT1	4A	ANT2	5A	17.50	24.50	0.944	0.544	14.50	21.50	0.473	0.273	**0.746**
		ANT2	4A	ANT1	5A	19.50	25.70	0.868	0.482	16.50	22.70	0.435	0.242	**0.677**
		ANT3	4A	ANT1	5A	21.00	25.70	0.992	0.482	18.00	22.70	0.497	0.242	**0.739**
		ANT3	4A	ANT2	5A	21.00	24.50	0.992	0.544	18.00	21.50	0.497	0.273	**0.770**
		ANT4	4A	ANT1	5A	21.50	25.70	0.890	0.482	18.50	22.70	0.446	0.242	**0.688**
		ANT4	4A	ANT2	5A	21.50	24.50	0.890	0.544	18.50	21.50	0.446	0.273	**0.719**
CA_4A-12A	Head	ANT1	4A	ANT2	12A	25.70	24.50	0.162	0.332	22.70	21.50	0.081	0.166	**0.248**
		ANT2	4A	ANT1	12A	22.00	25.70	0.990	0.186	19.00	22.70	0.496	0.093	**0.589**
		ANT3	4A	ANT1	12A	25.00	25.70	0.366	0.186	22.00	22.70	0.183	0.093	**0.277**
		ANT3	4A	ANT2	12A	25.00	24.50	0.366	0.332	22.00	21.50	0.183	0.166	**0.350**
		ANT4	4A	ANT1	12A	21.25	25.70	0.987	0.186	18.25	22.70	0.495	0.093	**0.588**
		ANT4	4A	ANT2	12A	21.25	24.50	0.987	0.332	18.25	21.50	0.495	0.166	**0.661**
	Body	ANT1	4A	ANT2	12A	17.50	24.50	0.944	0.376	14.50	21.50	0.473	0.188	**0.662**
		ANT2	4A	ANT1	12A	19.50	25.70	0.868	0.684	16.50	22.70	0.435	0.343	**0.778**
		ANT3	4A	ANT1	12A	21.00	25.70	0.992	0.684	18.00	22.70	0.497	0.343	**0.840**
		ANT3	4A	ANT2	12A	21.00	24.50	0.992	0.376	18.00	21.50	0.497	0.188	**0.686**
		ANT4	4A	ANT1	12A	21.50	25.70	0.890	0.684	18.50	22.70	0.446	0.343	**0.789**
		ANT4	4A	ANT2	12A	21.50	24.50	0.890	0.376	18.50	21.50	0.446	0.188	**0.635**
CA_4A-13A	Head	ANT1	4A	ANT2	13A	25.70	24.50	0.162	0.344	22.70	21.50	0.081	0.172	**0.254**
		ANT2	4A	ANT1	13A	22.00	25.70	0.990	0.193	19.00	22.70	0.496	0.097	**0.593**
		ANT3	4A	ANT1	13A	25.00	25.70	0.366	0.193	22.00	22.70	0.183	0.097	**0.280**
		ANT3	4A	ANT2	13A	25.00	24.50	0.366	0.344	22.00	21.50	0.183	0.172	**0.356**
		ANT4	4A	ANT1	13A	21.25	25.70	0.987	0.193	18.25	22.70	0.495	0.097	**0.591**
		ANT4	4A	ANT2	13A	21.25	24.50	0.987	0.344	18.25	21.50	0.495	0.172	**0.667**
	Body	ANT1	4A	ANT2	13A	17.50	24.50	0.944	0.399	14.50	21.50	0.473	0.200	**0.673**
		ANT2	4A	ANT1	13A	19.50	25.70	0.868	0.524	16.50	22.70	0.435	0.263	**0.698**
		ANT3	4A	ANT1	13A	21.00	25.70	0.992	0.524	18.00	22.70	0.497	0.263	**0.760**
		ANT3	4A	ANT2	13A	21.00	24.50	0.992	0.399	18.00	21.50	0.497	0.200	**0.697**
		ANT4	4A	ANT1	13A	21.50	25.70	0.890	0.524	18.50	22.70	0.446	0.263	**0.709**
		ANT4	4A	ANT2	13A	21.50	24.50	0.890	0.399	18.50	21.50	0.446	0.200	**0.646**
CA_5A-7A	Head	ANT1	5A	ANT2	7A	25.70	19.25	0.219	0.997	22.70	16.25	0.110	0.500	**0.609**
		ANT1	5A	ANT3	7A	25.70	25.00	0.219	0.726	22.70	22.00	0.110	0.364	**0.474**
		ANT1	5A	ANT4	7A	25.70	18.00	0.219	0.994	22.70	15.00	0.110	0.498	**0.608**
		ANT2	5A	ANT1	7A	24.50	25.70	0.453	0.381	21.50	22.70	0.227	0.191	**0.418**
		ANT2	5A	ANT3	7A	24.50	25.00	0.453	0.726	21.50	22.00	0.227	0.364	**0.591**
		ANT2	5A	ANT4	7A	24.50	18.00	0.453	0.994	21.50	15.00	0.227	0.498	**0.725**
	Body	ANT1	5A	ANT2	7A	25.70	20.50	0.482	0.934	22.70	17.50	0.242	0.468	**0.710**
		ANT1	5A	ANT3	7A	25.70	20.00	0.482	0.970	22.70	17.00	0.242	0.486	**0.728**
		ANT1	5A	ANT4	7A	25.70	18.50	0.482	0.984	22.70	15.50	0.242	0.493	**0.735**
		ANT2	5A	ANT1	7A	24.50	20.25	0.544	0.982	21.50	17.25	0.273	0.492	**0.765**
		ANT2	5A	ANT3	7A	24.50	20.00	0.544	0.970	21.50	17.00	0.273	0.486	**0.759**
		ANT2	5A	ANT4	7A	24.50	18.50	0.544	0.984	21.50	15.50	0.273	0.493	**0.766**

UL CA inter-bands	RF Exposure Conditions	Antennna Ports				Standalone worst-case position				UL CA				
						Tune-up Limit (dBm)		Reported 1-g SAR (W/kg)		Tune-up Limit (-3dB) (dBm)		Reported 1-g SAR (W/kg)		
		CC1		CC2		CC1	CC2	CC1	CC2	CC1	CC2	CC1	CC2	CC1+CC2
CA_5A-66A	Head	ANT1	5A	ANT2	66A	25.70	22.00	0.219	0.990	22.70	19.00	0.110	0.496	**0.606**
		ANT1	5A	ANT3	66A	25.70	25.00	0.219	0.366	22.70	22.00	0.110	0.183	**0.293**
		ANT1	5A	ANT4	66A	25.70	22.75	0.219	0.987	22.70	19.75	0.110	0.495	**0.604**
		ANT2	5A	ANT1	66A	24.50	25.70	0.453	0.162	21.50	22.70	0.227	0.081	**0.308**
		ANT2	5A	ANT3	66A	24.50	25.00	0.453	0.366	21.50	22.00	0.227	0.183	**0.410**
		ANT2	5A	ANT4	66A	24.50	22.75	0.453	0.987	21.50	19.75	0.227	0.495	**0.722**
	Body	ANT1	5A	ANT2	66A	25.70	19.50	0.482	0.868	22.70	16.50	0.242	0.435	**0.677**
		ANT1	5A	ANT3	66A	25.70	21.00	0.482	0.992	22.70	18.00	0.242	0.497	**0.739**
		ANT1	5A	ANT4	66A	25.70	22.50	0.482	0.890	22.70	19.50	0.242	0.446	**0.688**
		ANT2	5A	ANT1	66A	24.50	17.50	0.544	0.994	21.50	14.50	0.273	0.498	**0.771**
		ANT2	5A	ANT3	66A	24.50	21.00	0.544	0.992	21.50	18.00	0.273	0.497	**0.770**
		ANT2	5A	ANT4	66A	24.50	22.50	0.544	0.890	21.50	19.50	0.273	0.446	**0.719**
CA_12A-30A	Head	ANT1	12A	ANT2	30A	25.70	21.25	0.186	0.988	22.70	18.25	0.093	0.495	**0.588**
		ANT1	12A	ANT3	30A	25.70	24.50	0.186	0.278	22.70	21.50	0.093	0.139	**0.233**
		ANT1	12A	ANT4	30A	25.70	18.50	0.186	0.925	22.70	15.50	0.093	0.464	**0.557**
		ANT2	12A	ANT1	30A	24.50	25.70	0.332	0.306	21.50	22.70	0.166	0.153	**0.320**
		ANT2	12A	ANT3	30A	24.50	24.50	0.332	0.278	21.50	21.50	0.166	0.139	**0.306**
		ANT2	12A	ANT4	30A	24.50	18.50	0.332	0.925	21.50	15.50	0.166	0.464	**0.630**
	Body	ANT1	12A	ANT2	30A	25.70	20.00	0.684	0.901	22.70	17.00	0.343	0.452	**0.794**
		ANT1	12A	ANT3	30A	25.70	22.50	0.684	0.926	22.70	19.50	0.343	0.464	**0.807**
		ANT1	12A	ANT4	30A	25.70	20.50	0.684	0.851	22.70	17.50	0.343	0.427	**0.769**
		ANT2	12A	ANT1	30A	24.50	20.25	0.376	0.988	21.50	17.25	0.188	0.495	**0.684**
		ANT2	12A	ANT3	30A	24.50	22.50	0.376	0.926	21.50	19.50	0.188	0.464	**0.653**
		ANT2	12A	ANT4	30A	24.50	20.50	0.376	0.851	21.50	17.50	0.188	0.427	**0.615**
CA_12A-66A	Head	ANT1	12A	ANT2	66A	25.70	22.00	0.186	0.990	22.70	19.00	0.093	0.496	**0.589**
		ANT1	12A	ANT3	66A	25.70	25.00	0.186	0.366	22.70	22.00	0.093	0.183	**0.277**
		ANT1	12A	ANT4	66A	25.70	22.75	0.186	0.987	22.70	19.75	0.093	0.495	**0.588**
		ANT2	12A	ANT1	66A	24.50	25.70	0.332	0.162	21.50	22.70	0.166	0.081	**0.248**
		ANT2	12A	ANT3	66A	24.50	25.00	0.332	0.366	21.50	22.00	0.166	0.183	**0.350**
		ANT2	12A	ANT4	66A	24.50	22.75	0.332	0.987	21.50	19.75	0.166	0.495	**0.661**
	Body	ANT1	12A	ANT2	66A	25.70	19.50	0.684	0.868	22.70	16.50	0.343	0.435	**0.778**
		ANT1	12A	ANT3	66A	25.70	21.00	0.684	0.992	22.70	18.00	0.343	0.497	**0.840**
		ANT1	12A	ANT4	66A	25.70	22.50	0.684	0.890	22.70	19.50	0.343	0.446	**0.789**
		ANT2	12A	ANT1	66A	24.50	17.50	0.376	0.994	21.50	14.50	0.188	0.498	**0.687**
		ANT2	12A	ANT3	66A	24.50	21.00	0.376	0.992	21.50	18.00	0.188	0.497	**0.686**
		ANT2	12A	ANT4	66A	24.50	22.50	0.376	0.890	21.50	19.50	0.188	0.446	**0.635**
CA_13A-66A	Head	ANT1	13A	ANT2	66A	25.70	22.00	0.193	0.990	22.70	19.00	0.097	0.496	**0.593**
		ANT1	13A	ANT3	66A	25.70	25.00	0.193	0.366	22.70	22.00	0.097	0.183	**0.280**
		ANT1	13A	ANT4	66A	25.70	22.75	0.193	0.987	22.70	19.75	0.097	0.495	**0.591**
		ANT2	13A	ANT1	66A	24.50	25.70	0.344	0.162	21.50	22.70	0.172	0.081	**0.254**
		ANT2	13A	ANT3	66A	24.50	25.00	0.344	0.366	21.50	22.00	0.172	0.183	**0.356**
		ANT2	13A	ANT4	66A	24.50	22.75	0.344	0.987	21.50	19.75	0.172	0.495	**0.667**
	Body	ANT1	13A	ANT2	66A	25.70	19.50	0.524	0.868	22.70	16.50	0.263	0.435	**0.698**
		ANT1	13A	ANT3	66A	25.70	21.00	0.524	0.992	22.70	18.00	0.263	0.497	**0.760**
		ANT1	13A	ANT4	66A	25.70	22.50	0.524	0.890	22.70	19.50	0.263	0.446	**0.709**
		ANT2	13A	ANT1	66A	24.50	17.50	0.399	0.994	21.50	14.50	0.200	0.498	**0.698**
		ANT2	13A	ANT3	66A	24.50	21.00	0.399	0.992	21.50	18.00	0.200	0.497	**0.697**
		ANT2	13A	ANT4	66A	24.50	22.50	0.399	0.890	21.50	19.50	0.200	0.446	**0.646**
CA_14A-30A	Head	ANT1	14A	ANT2	30A	25.70	21.25	0.217	0.988	22.70	18.25	0.109	0.495	**0.604**
		ANT1	14A	ANT3	30A	25.70	24.50	0.217	0.278	22.70	21.50	0.109	0.139	**0.248**
		ANT1	14A	ANT4	30A	25.70	18.50	0.217	0.925	22.70	15.50	0.109	0.464	**0.572**
		ANT2	14A	ANT1	30A	24.50	25.70	0.396	0.306	21.50	22.70	0.198	0.153	**0.352**
		ANT2	14A	ANT3	30A	24.50	24.50	0.396	0.278	21.50	21.50	0.198	0.139	**0.338**
		ANT2	14A	ANT4	30A	24.50	18.50	0.396	0.925	21.50	15.50	0.198	0.464	**0.662**
	Body	ANT1	14A	ANT2	30A	25.70	20.00	0.427	0.901	22.70	17.00	0.214	0.452	**0.666**
		ANT1	14A	ANT3	30A	25.70	22.50	0.427	0.926	22.70	19.50	0.214	0.464	**0.678**
		ANT1	14A	ANT4	30A	25.70	20.50	0.427	0.851	22.70	17.50	0.214	0.427	**0.641**
		ANT2	14A	ANT1	30A	24.50	20.25	0.307	0.988	21.50	17.25	0.154	0.495	**0.649**
		ANT2	14A	ANT3	30A	24.50	22.50	0.307	0.926	21.50	19.50	0.154	0.464	**0.618**
		ANT2	14A	ANT4	30A	24.50	20.50	0.307	0.851	21.50	17.50	0.154	0.427	**0.580**

UL CA inter-bands	RF Exposure Conditions	Antennna Ports				Standalone worst-case position				UL CA				
						Tune-up Limit (dBm)		Reported 1-g SAR (W/kg)		Tune-up Limit (-3dB) (dBm)		Reported 1-g SAR (W/kg)		
		CC1		CC2		CC1	CC2	CC1	CC2	CC1	CC2	CC1	CC2	CC1+CC2
CA_14A-66A	Head	ANT1	14A	ANT2	66A	25.70	22.00	0.217	0.990	22.70	19.00	0.109	0.496	**0.605**
		ANT1	14A	ANT3	66A	25.70	25.00	0.217	0.366	22.70	22.00	0.109	0.183	**0.292**
		ANT1	14A	ANT4	66A	25.70	21.25	0.217	0.987	22.70	18.25	0.109	0.495	**0.603**
		ANT2	14A	ANT1	66A	24.50	25.70	0.396	0.162	21.50	22.70	0.198	0.081	**0.280**
		ANT2	14A	ANT3	66A	24.50	25.00	0.396	0.366	21.50	22.00	0.198	0.183	**0.382**
		ANT2	14A	ANT4	66A	24.50	21.25	0.396	0.987	21.50	18.25	0.198	0.495	**0.693**
	Body	ANT1	14A	ANT2	66A	25.70	19.50	0.427	0.868	22.70	16.50	0.214	0.435	**0.649**
		ANT1	14A	ANT3	66A	25.70	21.00	0.427	0.992	22.70	18.00	0.214	0.497	**0.711**
		ANT1	14A	ANT4	66A	25.70	21.50	0.427	0.890	22.70	18.50	0.214	0.446	**0.660**
		ANT2	14A	ANT1	66A	24.50	17.50	0.307	0.994	21.50	14.50	0.154	0.498	**0.652**
		ANT2	14A	ANT3	66A	24.50	21.00	0.307	0.992	21.50	18.00	0.154	0.497	**0.651**
		ANT2	14A	ANT4	66A	24.50	21.50	0.307	0.890	21.50	18.50	0.154	0.446	**0.600**

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. Wi-Fi 2.4GHz (DTS Band)

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

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. a, g, n then ac) 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.

For 2.4 GHz band, there are two use cases:

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

Mode	Channel	Frequency	Pcell OFF				Pcell ON			
			ANT3		ANT4		ANT3		ANT4	
			Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
802.11b DSSS (SISO)	1	2412	20.50	20.50	18.25	19.25	20.50	17.50	14.00	16.00
	2	2417	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	3	2422	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	4	2427	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	5	2432	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	6	2437	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	7	2442	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	8	2447	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	9	2452	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	10	2457	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	11	2462	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	12	2467	20.50	20.50	18.25	19.25	20.50	17.50	14.00	16.00
	13	2472	16.00	16.00	16.00	16.00	16.00	16.00	14.00	16.00

Mode	Channel	Frequency	Pcell OFF				Pcell ON			
			ANT3		ANT4		ANT3		ANT4	
			Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
802.11g/n/ac OFDM (SISO)	1	2412	17.50	17.50	17.50	17.50	17.50	17.50	14.00	16.00
	2	2417	19.50	19.50	18.25	19.25	19.50	17.50	14.00	16.00
	3	2422	21.00	21.00	18.25	19.25	21.00	17.50	14.00	16.00
	4	2427	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	5	2432	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	6	2437	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	7	2442	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	8	2447	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	9	2452	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	10	2457	19.50	19.50	18.25	19.25	19.50	17.50	14.00	16.00
	11	2462	17.50	17.50	17.50	17.50	17.50	17.50	14.00	16.00
	12	2467	15.50	15.50	15.50	15.50	15.50	15.50	14.00	15.50
	13	2472	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50

Mode	Channel	Frequency	Pcell OFF				Pcell ON			
			ANT3		ANT4		ANT3		ANT4	
			Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
802.11ax HE20 SU OFDMA (SISO)	1	2412	16.00	16.00	16.00	16.00	16.00	16.00	14.00	16.00
	2	2417	18.00	18.00	18.00	18.00	18.00	17.50	14.00	16.00
	3	2422	20.00	20.00	18.25	19.25	20.00	17.50	14.00	16.00
	4	2427	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	5	2432	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	6	2437	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	7	2442	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	8	2447	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	9	2452	20.00	20.00	18.25	19.25	20.00	17.50	14.00	16.00
	10	2457	18.00	18.00	18.00	18.00	18.00	17.50	14.00	16.00
	11	2462	16.00	16.00	16.00	16.00	16.00	16.00	14.00	16.00
	12	2467	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
	13	2472	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50

Mode	Channel	Frequency	Pcell OFF				Pcell ON			
			ANT3		ANT4		ANT3		ANT4	
			Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
802.11ax HE20 RU106 OFDMA (SISO)	1	2412	16.00	16.00	16.00	16.00	16.00	16.00	14.00	16.00
	2	2417	18.00	18.00	18.00	18.00	18.00	17.50	14.00	16.00
	3	2422	20.00	20.00	18.25	19.25	20.00	17.50	14.00	16.00
	4	2427	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	5	2432	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	6	2437	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	7	2442	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	8	2447	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	9	2452	20.00	20.00	18.25	19.25	20.00	17.50	14.00	16.00
	10	2457	18.00	18.00	18.00	18.00	18.00	17.50	14.00	16.00
	11	2462	16.00	16.00	16.00	16.00	16.00	16.00	14.00	16.00
	12	2467	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
	13	2472	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50

Mode	Channel	Frequency	Pcell OFF				Pcell ON			
			ANT3		ANT4		ANT3		ANT4	
			Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
802.11ax HE20 RU52/RU26 OFDMA (SISO)	1	2412	16.00	16.00	16.00	16.00	16.00	16.00	14.00	16.00
	2	2417	18.00	18.00	18.00	18.00	18.00	17.50	14.00	16.00
	3	2422	20.00	20.00	18.25	19.25	20.00	17.50	14.00	16.00
	4	2427	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	5	2432	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	6	2437	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	7	2442	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	8	2447	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	9	2452	20.00	20.00	18.25	19.25	20.00	17.50	14.00	16.00
	10	2457	18.00	18.00	18.00	18.00	18.00	17.50	14.00	16.00
	11	2462	16.00	16.00	16.00	16.00	16.00	16.00	14.00	16.00
	12	2467	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
	13	2472	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Mode	Channel	Frequency	Pcell OFF				Pcell ON			
			ANT3		ANT4		ANT3		ANT4	
			Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
802.11n/ac OFDM (MIMO)	1	2412	16.50	16.50	16.50	16.50	16.50	16.50	14.00	16.00
	2	2417	18.50	18.50	18.25	18.50	18.50	17.50	14.00	16.00
	3	2422	20.00	20.00	18.25	19.25	20.00	17.50	14.00	16.00
	4	2427	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	5	2432	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	6	2437	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	7	2442	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	8	2447	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	9	2452	19.50	19.50	18.25	19.25	19.50	17.50	14.00	16.00
	10	2457	18.50	18.50	18.25	18.50	18.50	17.50	14.00	16.00
	11	2462	16.50	16.50	16.50	16.50	16.50	16.50	14.00	16.00
	12	2467	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
	13	2472	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00

Mode	Channel	Frequency	Pcell OFF				Pcell ON			
			ANT3		ANT4		ANT3		ANT4	
			Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
802.11ax HE20 SU OFDMA (MIMO)	1	2412	15.00	15.00	15.00	15.00	15.00	15.00	14.00	15.00
	2	2417	17.00	17.00	17.00	17.00	17.00	17.00	14.00	16.00
	3	2422	19.00	19.00	18.25	19.00	19.00	17.50	14.00	16.00
	4	2427	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	5	2432	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	6	2437	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	7	2442	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	8	2447	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	9	2452	18.50	18.50	18.25	18.50	18.50	17.50	14.00	16.00
	10	2457	17.00	17.00	17.00	17.00	17.00	17.00	14.00	16.00
	11	2462	15.00	15.00	15.00	15.00	15.00	15.00	14.00	15.00
	12	2467	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
	13	2472	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50

Mode	Channel	Frequency	Pcell OFF				Pcell ON			
			ANT3		ANT4		ANT3		ANT4	
			Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
802.11ax HE20 RU106 OFDMA (MIMO)	1	2412	15.00	15.00	15.00	15.00	15.00	15.00	14.00	15.00
	2	2417	17.00	17.00	17.00	17.00	17.00	17.00	14.00	16.00
	3	2422	19.00	19.00	18.25	19.00	19.00	17.50	14.00	16.00
	4	2427	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	5	2432	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	6	2437	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	7	2442	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	8	2447	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	9	2452	18.50	18.50	18.25	18.50	18.50	17.50	14.00	16.00
	10	2457	17.00	17.00	17.00	17.00	17.00	17.00	14.00	16.00
	11	2462	15.00	15.00	15.00	15.00	15.00	15.00	14.00	15.00
	12	2467	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
	13	2472	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50

Mode	Channel	Frequency	Pcell OFF				Pcell ON			
			ANT3		ANT4		ANT3		ANT4	
			Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
802.11ax HE20 RU52 OFDMA (MIMO)	1	2412	15.00	15.00	15.00	15.00	15.00	15.00	14.00	15.00
	2	2417	17.00	17.00	17.00	17.00	17.00	17.00	14.00	16.00
	3	2422	19.00	19.00	18.25	19.00	19.00	17.50	14.00	16.00
	4	2427	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	5	2432	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	6	2437	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	7	2442	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	8	2447	21.50	21.50	18.25	19.25	21.50	17.50	14.00	16.00
	9	2452	18.50	18.50	18.25	18.50	18.50	17.50	14.00	16.00
	10	2457	17.00	17.00	17.00	17.00	17.00	17.00	14.00	16.00
	11	2462	15.00	15.00	15.00	15.00	15.00	15.00	14.00	15.00
	12	2467	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
	13	2472	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Mode	Channel	Frequency	Pcell OFF				Pcell ON			
			ANT3		ANT4		ANT3		ANT4	
			Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
802.11ax HE20 RU26 OFDMA (MIMO)	1	2412	15.00	15.00	15.00	15.00	15.00	15.00	14.00	15.00
	2	2417	17.00	17.00	17.00	17.00	17.00	17.00	14.00	16.00
	3	2422	19.00	19.00	18.25	19.00	19.00	17.50	14.00	16.00
	4	2427	20.00	20.00	18.25	19.25	20.00	17.50	14.00	16.00
	5	2432	20.00	20.00	18.25	19.25	20.00	17.50	14.00	16.00
	6	2437	20.00	20.00	18.25	19.25	20.00	17.50	14.00	16.00
	7	2442	20.00	20.00	18.25	19.25	20.00	17.50	14.00	16.00
	8	2447	20.00	20.00	18.25	19.25	20.00	17.50	14.00	16.00
	9	2452	18.50	18.50	18.25	18.50	18.50	17.50	14.00	16.00
	10	2457	17.00	17.00	17.00	17.00	17.00	17.00	14.00	16.00
	11	2462	15.00	15.00	15.00	15.00	15.00	15.00	14.00	15.00
	12	2467	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
	13	2472	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Wi-Fi 2.4GHz Measured Results

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

SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) when the same maximum 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	Data Rate	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)
Pcell OFF	ANT3	DSSS 802.11b	1 Mbps	1	2412	20.50	20.50	Yes	20.50	20.50	Yes
				2	2417	21.50	21.50		21.50	21.50	
				6	2437	21.50	21.50		21.50	21.50	
				11	2462	21.50	21.50		21.50	21.50	
				12	2467	20.50	20.50		20.50	20.50	
				13	2472	16.00	16.00		16.00	16.00	
	ANT4	DSSS 802.11b	1 Mbps	1	2412	18.25	18.25	Yes	19.25	19.25	Yes
				6	2437	18.25	18.25		19.25	19.25	
				11	2462	18.25	18.25		19.25	19.25	
				12	2467	18.25	18.25		19.25	19.25	
				13	2472	16.00	16.00		16.00	16.00	

Power Mode	Antenna	Mode	Data Rate	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)
Pcell ON	ANT3	DSSS 802.11b	1 Mbps	1	2412	20.50	20.50	Yes	17.50	17.50	Yes
				2	2417	21.50	21.50		17.50	17.50	
				6	2437	21.50	21.50		17.50	17.50	
				11	2462	21.50	21.50		17.50	17.50	
				12	2467	20.50	20.50		17.50	17.50	
				13	2472	16.00	16.00		16.00	16.00	
	ANT4	DSSS 802.11b	1 Mbps	1	2412	14.00	14.00	Yes	16.00	16.00	Yes
				6	2437	14.00	14.00		16.00	16.00	
				11	2462	14.00	14.00		16.00	16.00	
				12	2467	14.00	14.00		16.00	16.00	
				13	2472	14.00	14.00		16.00	16.00	

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

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

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

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, g, n then ac) 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 publication 248227 D01, simultaneous SAR provisions in KDB Publication 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.

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/ac 20 MHz	36	5180	19.00	19.00	19.00	17.00	19.00	15.25	18.50	12.75
		40	5200	21.00	20.50	21.00	17.00	21.00	15.25	18.50	12.75
		44	5220	21.00	20.50	21.00	17.00	21.00	15.25	18.50	12.75
		48	5240	21.00	20.50	21.00	17.00	21.00	15.25	18.50	12.75
	802.11n/ac 40 MHz	38	5190	17.50	17.50	17.50	17.00	17.50	15.25	17.50	12.75
		46	5230	21.50	20.50	21.50	17.00	21.50	15.25	18.50	12.75
	802.11ac 80 MHz	42	5210	17.00	17.00	17.00	17.00	17.00	15.25	17.00	12.75
U-NII-2A 5.3 GHz (SISO)	802.11a/n/ac 20 MHz	52	5260	21.00	20.00	21.00	17.75	21.00	14.75	17.50	13.50
		56	5280	21.00	20.00	21.00	17.75	21.00	14.75	17.50	13.50
		60	5300	21.00	20.00	21.00	17.75	21.00	14.75	17.50	13.50
		64	5320	19.00	19.00	19.00	17.75	19.00	14.75	17.50	13.50
	802.11n/ac 40 MHz	54	5270	21.50	20.00	21.50	17.75	21.50	14.75	17.50	13.50
		62	5310	17.50	17.50	17.50	17.50	17.50	14.75	17.50	13.50
	802.11ac 80 MHz	58	5290	17.50	17.50	17.50	17.50	17.50	14.75	17.50	13.50

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-2C 5.5 GHz (SISO)	802.11a/n/ac 20 MHz	100	5500	19.00	17.75	19.00	19.00	19.00	12.50	15.75	15.75
		104	5520	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		108	5540	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		112	5560	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		116	5580	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		120	5600	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		124	5620	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		128	5640	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		132	5660	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		136	5680	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		140	5700	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		144	5720	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
	802.11n/ac 40 MHz	102	5510	17.50	17.50	17.50	17.50	17.50	12.50	15.75	15.75
		110	5550	21.50	17.75	21.00	20.00	21.50	12.50	15.75	15.75
		118	5590	21.50	17.75	21.00	20.00	21.50	12.50	15.75	15.75
		126	5630	21.50	17.75	21.00	20.00	21.50	12.50	15.75	15.75
		134	5670	20.50	17.75	20.50	20.00	20.50	12.50	15.75	15.75
		142	5710	21.50	17.75	21.00	20.00	21.50	12.50	15.75	15.75
	802.11ac 80 MHz	106	5530	16.50	16.50	16.50	16.50	16.50	12.50	15.75	15.75
		122	5610	21.50	17.75	21.00	20.00	21.50	12.50	15.75	15.75
		138	5690	21.50	17.75	21.00	20.00	21.50	12.50	15.75	15.75

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/ac 20 MHz	149	5745	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		153	5765	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		157	5785	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		161	5805	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		165	5825	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11n/ac 40 MHz	151	5755	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		159	5795	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ac 80 MHz	155	5775	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25

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)	802.11ax HE20/SU	36	5180	18.00	18.00	18.00	17.00	18.00	15.25	18.00	12.75
		40	5200	21.00	20.50	21.00	17.00	21.00	15.25	18.50	12.75
		44	5220	21.00	20.50	21.00	17.00	21.00	15.25	18.50	12.75
		48	5240	21.00	20.50	21.00	17.00	21.00	15.25	18.50	12.75
	802.11ax HE40/SU	38	5190	16.00	16.00	16.00	16.00	16.00	15.25	16.00	12.75
		46	5230	21.50	20.50	21.50	17.00	21.50	15.25	18.50	12.75
	802.11ax HE80/SU	42	5210	15.50	15.50	15.50	15.50	15.50	15.25	15.50	12.75
U-NII-2A 5.3 GHz (SISO)	802.11ax HE20/SU	52	5260	21.00	20.00	21.00	17.75	21.00	14.75	17.50	13.50
		56	5280	21.00	20.00	21.00	17.75	21.00	14.75	17.50	13.50
		60	5300	21.00	20.00	21.00	17.75	21.00	14.75	17.50	13.50
		64	5320	18.00	18.00	18.00	17.75	18.00	14.75	17.50	13.50
	802.11ax HE40/SU	54	5270	21.50	20.00	21.50	17.75	21.50	14.75	17.50	13.50
		62	5310	16.00	16.00	16.00	16.00	16.00	14.75	16.00	13.50
	802.11ax HE80/SU	58	5290	16.00	16.00	16.00	16.00	16.00	14.75	16.00	13.50

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-2C 5.5 GHz (SISO)	802.11ax HE20/SU	100	5500	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		104	5520	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		108	5540	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		112	5560	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		116	5580	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		120	5600	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		124	5620	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		128	5640	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		132	5660	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		136	5680	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
		140	5700	16.50	16.50	16.50	16.50	16.50	12.50	15.75	15.75
		144	5720	21.00	17.75	21.00	20.00	21.00	12.50	15.75	15.75
	802.11ax HE40/SU	102	5510	16.00	16.00	16.00	16.00	16.00	12.50	15.75	15.75
		110	5550	21.50	17.75	21.00	20.00	21.50	12.50	15.75	15.75
		118	5590	21.50	17.75	21.00	20.00	21.50	12.50	15.75	15.75
		126	5630	21.50	17.75	21.00	20.00	21.50	12.50	15.75	15.75
		134	5670	19.00	17.75	19.00	19.00	19.00	12.50	15.75	15.75
		142	5710	21.50	17.75	21.00	20.00	21.50	12.50	15.75	15.75
	802.11ax HE80/SU	106	5530	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		122	5610	21.50	17.75	21.00	20.00	21.50	12.50	15.75	15.75
		138	5690	21.50	17.75	21.00	20.00	21.50	12.50	15.75	15.75

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)	802.11ax HE20/SU	149	5745	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		153	5765	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		157	5785	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		161	5805	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		165	5825	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ax HE40/SU	151	5755	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		159	5795	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ax HE80/SU	155	5775	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25

Note(s):

The powers in the table above are for the fully loaded channels. When operating on partially loaded channels the power levels for HE80 RU484 are the same or lower than the equivalent HE40 SU power for the mode (A or B, Pcell_ON or Pcell_OFF); the power levels for HE80 RU242 and for HE40 RU242 are the same or lower than the equivalent HE20 SU power; the power levels for all other RU allocations for all bandwidths (RU106, RU52 and RU26) are all the same or lower than HE20 SU power.

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)	802.11ax HE20/RU106	36	5180	18.00	18.00	18.00	17.00	18.00	15.25	18.00	12.75
		40	5200	18.00	18.00	18.00	17.00	18.00	15.25	18.00	12.75
		44	5220	18.00	18.00	18.00	17.00	18.00	15.25	18.00	12.75
		48	5240	18.00	18.00	18.00	17.00	18.00	15.25	18.00	12.75
	802.11ax HE40/RU106	38	5190	16.00	16.00	16.00	16.00	16.00	15.25	16.00	12.75
		46	5230	18.00	18.00	18.00	17.00	18.00	15.25	18.00	12.75
	802.11ax HE80/RU106	42	5210	15.50	15.50	15.50	15.50	15.50	15.25	15.50	12.75
U-NII-2A 5.3 GHz (SISO)	802.11ax HE20/RU106	52	5260	18.00	18.00	18.00	17.75	18.00	14.75	17.50	13.50
		56	5280	18.00	18.00	18.00	17.75	18.00	14.75	17.50	13.50
		60	5300	18.00	18.00	18.00	17.75	18.00	14.75	17.50	13.50
		64	5320	18.00	18.00	18.00	17.75	18.00	14.75	17.50	13.50
	802.11ax HE40/RU106	54	5270	18.00	18.00	18.00	17.75	18.00	14.75	17.50	13.50
		62	5310	16.00	16.00	16.00	16.00	16.00	14.75	16.00	13.50
	802.11ax HE80/RU106	58	5290	16.00	16.00	16.00	16.00	16.00	14.75	16.00	13.50

Mode	\	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)	802.11ax HE20/RU106	100	5500	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		104	5520	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		108	5540	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		112	5560	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		116	5580	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		120	5600	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		124	5620	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		128	5640	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		132	5660	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		136	5680	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		140	5700	16.50	16.50	16.50	16.50	16.50	12.50	15.75	15.75
		144	5720	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
	802.11ax HE40/RU106	102	5510	16.00	16.00	16.00	16.00	16.00	12.50	15.75	15.75
		110	5550	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		118	5590	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		126	5630	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		134	5670	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		142	5710	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
	802.11ax HE80/RU106	106	5530	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		122	5610	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		138	5690	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75

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)	802.11ax HE20/RU106	149	5745	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		153	5765	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		157	5785	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		161	5805	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		165	5825	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ax HE40/RU106	151	5755	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		159	5795	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ax HE80/RU106	155	5775	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25

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)	802.11ax HE20/RU52	36	5180	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.75
		40	5200	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.75
		44	5220	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.75
		48	5240	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.75
	802.11ax HE40/RU52	38	5190	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.75
		46	5230	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.75
	802.11ax HE80/RU52	42	5210	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.75
U-NII-2A 5.3 GHz (SISO)	802.11ax HE20/RU52	52	5260	15.00	15.00	15.00	15.00	15.00	14.75	15.00	13.50
		56	5280	15.00	15.00	15.00	15.00	15.00	14.75	15.00	13.50
		60	5300	15.00	15.00	15.00	15.00	15.00	14.75	15.00	13.50
		64	5320	15.00	15.00	15.00	15.00	15.00	14.75	15.00	13.50
	802.11ax HE40/RU52	54	5270	15.00	15.00	15.00	15.00	15.00	14.75	15.00	13.50
		62	5310	15.00	15.00	15.00	15.00	15.00	14.75	15.00	13.50
	802.11ax HE80/RU52	58	5290	15.00	15.00	15.00	15.00	15.00	14.75	15.00	13.50

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-2C 5.5 GHz (SISO)	802.11ax HE20/RU52	100	5500	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		104	5520	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		108	5540	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		112	5560	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		116	5580	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		120	5600	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		124	5620	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		128	5640	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		132	5660	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		136	5680	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		140	5700	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		144	5720	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
	802.11ax HE40/RU52	102	5510	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		110	5550	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		118	5590	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		126	5630	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		134	5670	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		142	5710	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
	802.11ax HE80/RU52	106	5530	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		122	5610	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		138	5690	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00

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-3 5.8 GHz (SISO)	802.11ax HE20/RU52	149	5745	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		153	5765	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		157	5785	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		161	5805	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		165	5825	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ax HE40/RU52	151	5755	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		159	5795	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ax HE80/RU52	155	5775	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25

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)	802.11ax HE20/RU26	36	5180	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		40	5200	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		44	5220	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		48	5240	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	802.11ax HE40/RU26	38	5190	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		46	5230	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	802.11ax HE80/RU26	42	5210	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
U-NII-2A 5.3 GHz (SISO)	802.11ax HE20/RU26	52	5260	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		56	5280	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		60	5300	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		64	5320	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	802.11ax HE40/RU26	54	5270	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		62	5310	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	802.11ax HE80/RU26	58	5290	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00

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)	802.11ax HE20/RU26	100	5500	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		104	5520	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		108	5540	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		112	5560	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		116	5580	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		120	5600	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		124	5620	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		128	5640	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		132	5660	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		136	5680	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		140	5700	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		144	5720	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	802.11ax HE40/RU26	102	5510	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		110	5550	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		118	5590	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		126	5630	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		134	5670	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		142	5710	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	802.11ax HE80/RU26	106	5530	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		122	5610	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		138	5690	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00

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-3 5.8 GHz (SISO)	802.11ax HE20/RU26	149	5745	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		153	5765	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		157	5785	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		161	5805	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		165	5825	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ax HE40/RU26	151	5755	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		159	5795	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ax HE80/RU26	155	5775	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25

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 (MIMO)	802.11a/n/ac 20 MHz	36	5180	18.00	18.00	18.00	17.00	18.00	15.25	18.00	12.75
		40	5200	18.00	18.00	18.00	17.00	18.00	15.25	18.00	12.75
		44	5220	18.00	18.00	18.00	17.00	18.00	15.25	18.00	12.75
		48	5240	18.00	18.00	18.00	17.00	18.00	15.25	18.00	12.75
	802.11n/ac 40 MHz	38	5190	17.00	17.00	17.00	17.00	17.00	15.25	17.00	12.75
		46	5230	20.00	20.00	20.00	17.00	20.00	15.25	18.50	12.75
	802.11ac 80 MHz	42	5210	16.00	16.00	16.00	16.00	16.00	15.25	16.00	12.75
U-NII-2A 5.3 GHz (MIMO)	802.11a/n/ac 20 MHz	52	5260	18.00	18.00	18.00	17.75	18.00	14.75	17.50	13.50
		56	5280	18.00	18.00	18.00	17.75	18.00	14.75	17.50	13.50
		60	5300	18.00	18.00	18.00	17.75	18.00	14.75	17.50	13.50
		64	5320	18.00	18.00	18.00	17.75	18.00	14.75	17.50	13.50
	802.11n/ac 40 MHz	54	5270	20.00	20.00	20.00	17.75	20.00	14.75	17.50	13.50
		62	5310	17.00	17.00	17.00	17.00	17.00	14.75	17.00	13.50
	802.11ac 80 MHz	58	5290	16.50	16.50	16.50	16.50	16.50	14.75	16.50	13.50

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-2C 5.5 GHz (MIMO)	802.11a/n/ac 20 MHz	100	5500	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		104	5520	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		108	5540	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		112	5560	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		116	5580	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		120	5600	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		124	5620	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		128	5640	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		132	5660	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		136	5680	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		140	5700	17.50	17.50	17.50	17.50	17.50	12.50	15.75	15.75
		144	5720	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
	802.11n/ac 40 MHz	102	5510	17.00	17.00	17.00	17.00	17.00	12.50	15.75	15.75
		110	5550	20.00	17.75	20.00	20.00	20.00	12.50	15.75	15.75
		118	5590	20.00	17.75	20.00	20.00	20.00	12.50	15.75	15.75
		126	5630	20.00	17.75	20.00	20.00	20.00	12.50	15.75	15.75
		134	5670	20.00	17.75	20.00	20.00	20.00	12.50	15.75	15.75
		142	5710	20.00	17.75	20.00	20.00	20.00	12.50	15.75	15.75
	802.11ac 80 MHz	106	5530	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		122	5610	20.00	17.75	20.00	20.00	20.00	12.50	15.75	15.75
		138	5690	20.00	17.75	20.00	20.00	20.00	12.50	15.75	15.75

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 (MIMO)	802.11a/n/ac 20 MHz	149	5745	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		153	5765	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		157	5785	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		161	5805	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		165	5825	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11n/ac 40 MHz	151	5755	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		159	5795	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ac 80 MHz	155	5775	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25

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 (MIMO)	802.11a/n/ac 20 MHz	36	5180	18.00	18.00	18.00	17.00	18.00	15.25	18.00	12.75
		40	5200	18.00	18.00	18.00	17.00	18.00	15.25	18.00	12.75
		44	5220	18.00	18.00	18.00	17.00	18.00	15.25	18.00	12.75
		48	5240	18.00	18.00	18.00	17.00	18.00	15.25	18.00	12.75
	802.11n/ac 40 MHz	38	5190	17.00	17.00	17.00	17.00	17.00	15.25	17.00	12.75
		46	5230	20.00	20.00	20.00	17.00	20.00	15.25	18.50	12.75
	802.11ac 80 MHz	42	5210	16.00	16.00	16.00	16.00	16.00	15.25	16.00	12.75
U-NII-2A 5.3 GHz (MIMO)	802.11a/n/ac 20 MHz	52	5260	18.00	18.00	18.00	17.75	18.00	14.75	17.50	13.50
		56	5280	18.00	18.00	18.00	17.75	18.00	14.75	17.50	13.50
		60	5300	18.00	18.00	18.00	17.75	18.00	14.75	17.50	13.50
		64	5320	18.00	18.00	18.00	17.75	18.00	14.75	17.50	13.50
	802.11n/ac 40 MHz	54	5270	20.00	20.00	20.00	17.75	20.00	14.75	17.50	13.50
		62	5310	17.00	17.00	17.00	17.00	17.00	14.75	17.00	13.50
	802.11ac 80 MHz	58	5290	16.50	16.50	16.50	16.50	16.50	14.75	16.50	13.50

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-2C 5.5 GHz (MIMO)	802.11a/n/ac 20 MHz	100	5500	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		104	5520	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		108	5540	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		112	5560	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		116	5580	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		120	5600	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		124	5620	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		128	5640	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		132	5660	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		136	5680	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
		140	5700	17.50	17.50	17.50	17.50	17.50	12.50	15.75	15.75
		144	5720	18.00	17.75	18.00	18.00	18.00	12.50	15.75	15.75
	802.11n/ac 40 MHz	102	5510	17.00	17.00	17.00	17.00	17.00	12.50	15.75	15.75
		110	5550	20.00	17.75	20.00	20.00	20.00	12.50	15.75	15.75
		118	5590	20.00	17.75	20.00	20.00	20.00	12.50	15.75	15.75
		126	5630	20.00	17.75	20.00	20.00	20.00	12.50	15.75	15.75
		134	5670	20.00	17.75	20.00	20.00	20.00	12.50	15.75	15.75
		142	5710	20.00	17.75	20.00	20.00	20.00	12.50	15.75	15.75
	802.11ac 80 MHz	106	5530	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		122	5610	20.00	17.75	20.00	20.00	20.00	12.50	15.75	15.75
		138	5690	20.00	17.75	20.00	20.00	20.00	12.50	15.75	15.75

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 (MIMO)	802.11a/n/ac 20 MHz	149	5745	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		153	5765	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		157	5785	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		161	5805	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		165	5825	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11n/ac 40 MHz	151	5755	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		159	5795	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ac 80 MHz	155	5775	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25

Note(s):

The powers in the table above are for the fully loaded channels. When operating on partially loaded channels the power levels for HE80 RU484 are the same or lower than the equivalent HE40 SU power for the mode (A or B, Pcell_ON or Pcell_OFF); the power levels for HE80 RU242 and for HE40 RU242 are the same or lower than the equivalent HE20 SU power; the power levels for all other RU allocations for all bandwidths (RU106, RU52 and RU26) are all the same or lower than HE20 SU power.

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 (MIMO)	802.11ax HE20/RU106	36	5180	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.75
		40	5200	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.75
		44	5220	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.75
		48	5240	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.75
	802.11ax HE40/RU106	38	5190	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.75
		46	5230	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.75
	802.11ax HE80/RU106	42	5210	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.75
U-NII-2A 5.3 GHz (MIMO)	802.11ax HE20/RU106	52	5260	15.00	15.00	15.00	15.00	15.00	14.75	15.00	13.50
		56	5280	15.00	15.00	15.00	15.00	15.00	14.75	15.00	13.50
		60	5300	15.00	15.00	15.00	15.00	15.00	14.75	15.00	13.50
		64	5320	15.00	15.00	15.00	15.00	15.00	14.75	15.00	13.50
	802.11ax HE40/RU106	54	5270	15.00	15.00	15.00	15.00	15.00	14.75	15.00	13.50
		62	5310	15.00	15.00	15.00	15.00	15.00	14.75	15.00	13.50
	802.11ax HE80/RU106	58	5290	15.00	15.00	15.00	15.00	15.00	14.75	15.00	13.50

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-2C 5.5 GHz (MIMO)	802.11ax HE20/RU106	100	5500	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		104	5520	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		108	5540	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		112	5560	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		116	5580	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		120	5600	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		124	5620	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		128	5640	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		132	5660	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		136	5680	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		140	5700	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		144	5720	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
	802.11ax HE40/RU106	102	5510	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		110	5550	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		118	5590	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		126	5630	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		134	5670	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		142	5710	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
	802.11ax HE80/RU106	106	5530	13.50	13.50	13.50	13.50	13.50	12.50	13.50	13.50
		122	5610	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00
		138	5690	15.00	15.00	15.00	15.00	15.00	12.50	15.00	15.00

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-3 5.8 GHz (MIMO)	802.11ax HE20/RU106	149	5745	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		153	5765	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		157	5785	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		161	5805	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		165	5825	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ax HE40/RU106	151	5755	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		159	5795	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ax HE80/RU106	155	5775	20.00	17.75	20.00	20.00	20.00	12.50	16.50	16.25

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 (MIMO)	802.11ax HE20/RU52	36	5180	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		40	5200	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		44	5220	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		48	5240	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	802.11ax HE40/RU52	38	5190	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		46	5230	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	802.11ax HE80/RU52	42	5210	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
U-NII-2A 5.3 GHz (MIMO)	802.11ax HE20/RU52	52	5260	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		56	5280	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		60	5300	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		64	5320	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	802.11ax HE40/RU52	54	5270	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		62	5310	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	802.11ax HE80/RU52	58	5290	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00

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 (MIMO)	802.11ax HE20/RU52	100	5500	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		104	5520	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		108	5540	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		112	5560	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		116	5580	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		120	5600	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		124	5620	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		128	5640	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		132	5660	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		136	5680	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		140	5700	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		144	5720	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	802.11ax HE40/RU52	102	5510	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		110	5550	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		118	5590	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		126	5630	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		134	5670	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		142	5710	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	802.11ax HE80/RU52	106	5530	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		122	5610	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
		138	5690	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00

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-3 5.8 GHz (MIMO)	802.11ax HE20/RU52	149	5745	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		153	5765	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		157	5785	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		161	5805	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		165	5825	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ax HE40/RU52	151	5755	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		159	5795	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ax HE80/RU52	155	5775	20.00	17.75	20.00	20.00	20.00	12.50	16.50	16.25

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 (MIMO)	802.11ax HE20/RU26	36	5180	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		40	5200	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		44	5220	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		48	5240	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
	802.11ax HE40/RU26	38	5190	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		46	5230	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
	802.11ax HE80/RU26	42	5210	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
U-NII-2A 5.3 GHz (MIMO)	802.11ax HE20/RU26	52	5260	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		56	5280	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		60	5300	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		64	5320	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
	802.11ax HE40/RU26	54	5270	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		62	5310	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
	802.11ax HE80/RU26	58	5290	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00

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 (MIMO)	802.11ax HE20/RU26	100	5500	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		104	5520	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		108	5540	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		112	5560	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		116	5580	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		120	5600	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		124	5620	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		128	5640	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		132	5660	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		136	5680	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		140	5700	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		144	5720	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
	802.11ax HE40/RU26	102	5510	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		110	5550	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		118	5590	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		126	5630	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		134	5670	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		142	5710	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
	802.11ax HE80/RU26	106	5530	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		122	5610	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
		138	5690	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00

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-3 5.8 GHz (MIMO)	802.11ax HE20/RU26	149	5745	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		153	5765	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		157	5785	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		161	5805	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		165	5825	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ax HE40/RU26	151	5755	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
		159	5795	21.50	17.75	21.50	20.50	21.50	12.50	16.50	16.25
	802.11ax HE80/RU26	155	5775	20.00	17.75	20.00	20.00	20.00	12.50	16.50	16.25

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	Mode	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)
Pcell OFF	ANT5	U-NII-2A	802.11n HT40	54	5270	21.50	21.50	Yes			
				62	5310	17.50	17.50	Yes			
		U-NII-1	802.11n HT40	38	5190				17.50	17.50	Yes
				46	5230				20.50	20.50	Yes
		U-NII-2C	802.11ac VHT80	106	5530	16.50	16.50	Yes	16.50	16.50	Yes
				122	5610	21.50	21.50		17.75	17.75	
				138	5690	21.50	21.50		17.75	17.75	
		U-NII-3	802.11ac VHT80	155	5775	21.50	21.50	Yes	17.75	17.75	Yes
	ANT6	U-NII-2A	802.11n HT40	54	5270	21.50	21.50	Yes	17.75	17.75	Yes
				62	5310	17.50	17.50		17.50	17.50	
		U-NII-2C	802.11ac VHT80	106	5530	16.50	16.50	Yes	16.50	16.50	Yes
				122	5610	21.00	21.00		20.00	20.00	
				138	5690	21.00	21.00		20.00	20.00	
		U-NII-3	802.11ac VHT80	155	5775	21.50	21.50	Yes	20.50	20.50	Yes

Power Mode	Antenna	Mode	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)
Pcell ON	ANT5	U-NII-2A	802.11n/ac HT40	54	5270	21.50	21.50	Yes			
				62	5310	17.50	17.50				
		U-NII-1	802.11ac VHT80	42	5210				15.25	15.25	Yes
		U-NII-2C	802.11ac VHT80	106	5530	16.50	16.50	Yes	12.50	12.50	Yes
				122	5610	21.50	21.50		12.50	12.50	
				138	5690	21.50	21.50		12.50	12.50	
		U-NII-3	802.11ac VHT80	155	5775	21.50	21.50	Yes	12.50	12.50	Yes
	ANT6	U-NII-2A	802.11ac VHT80	42	5210				13.50	13.50	Yes
		U-NII-1	802.11n/ac HT40	38	5190	17.50	17.50	Yes			
				46	5230	18.50	18.50				
		U-NII-2C	802.11ac VHT80	106	5530	15.75	15.75	Yes	15.75	15.75	Yes
				122	5610	15.75	15.75		15.75	15.75	
				138	5690	15.75	15.75		15.75	15.75	
		U-NII-3	802.11ac VHT80	155	5775	16.50	16.50	Yes	16.25	16.25	Yes

9.9. Bluetooth

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

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

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

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

For Bluetooth, there are three use cases:

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

Mode	Maximum Output Power (Tune-up Limit) (dBm)											
	Bluetooth P_{low}				Bluetooth P_{high}				Bluetooth $P_{standalone}$			
	ANT3		ANT4		ANT3		ANT4		ANT3		ANT4	
	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
GFSK	11.00	11.00	8.50	9.50	19.50	15.00	12.50	13.50	19.50	18.50	16.00	17.00
EDR	11.00	11.00	8.50	9.50	16.00	15.00	12.50	13.50	16.00	16.00	16.00	16.00
LE	11.00	11.00	8.50	9.50	19.50	15.00	12.50	13.50	19.50	18.50	16.00	17.00
HDR	11.00	11.00	8.50	9.50	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00

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 EDR, LE, and HDR. When the secondary mode is ≤ ¼ dB higher than the primary mode.

Power Mode	Antenna	Mode	Ch #	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
					Meas Pwr	Tune-up	SAR Test (Yes/No)	Meas Pwr	Tune-up	SAR Test (Yes/No)
Bluetooth P_{low}	ANT3	GFSK	0	2402	11.00	11.00	Yes	11.00	11.00	Yes
			39	2441	11.00	11.00		11.00	11.00	
			78	2480	11.00	11.00		11.00	11.00	
	ANT4	GFSK	0	2402	8.50	8.50	Yes	9.50	9.50	Yes
			39	2441	8.50	8.50		9.50	9.50	
			78	2480	8.50	8.50		9.50	9.50	
Bluetooth P_{high}	ANT3	GFSK	0	2402	19.50	19.50	Yes	15.00	15.00	Yes
			39	2441	19.50	19.50		15.00	15.00	
			78	2480	19.50	19.50		15.00	15.00	
	ANT4	GFSK	0	2402	12.50	12.50	Yes	13.50	13.50	Yes
			39	2441	12.50	12.50		13.50	13.50	
			78	2480	12.50	12.50		13.50	13.50	
Bluetooth $P_{standalone}$	ANT3	GFSK	0	2402	19.50	19.50	Yes	18.50	18.50	Yes
			39	2441	19.50	19.50		18.50	18.50	
			78	2480	19.50	19.50		18.50	18.50	
	ANT4	GFSK	0	2402	16.00	16.00	Yes	17.00	17.00	Yes
			39	2441	16.00	16.00		17.00	17.00	
			78	2480	16.00	16.00		17.00	17.00	

Duty Factor Measured Results

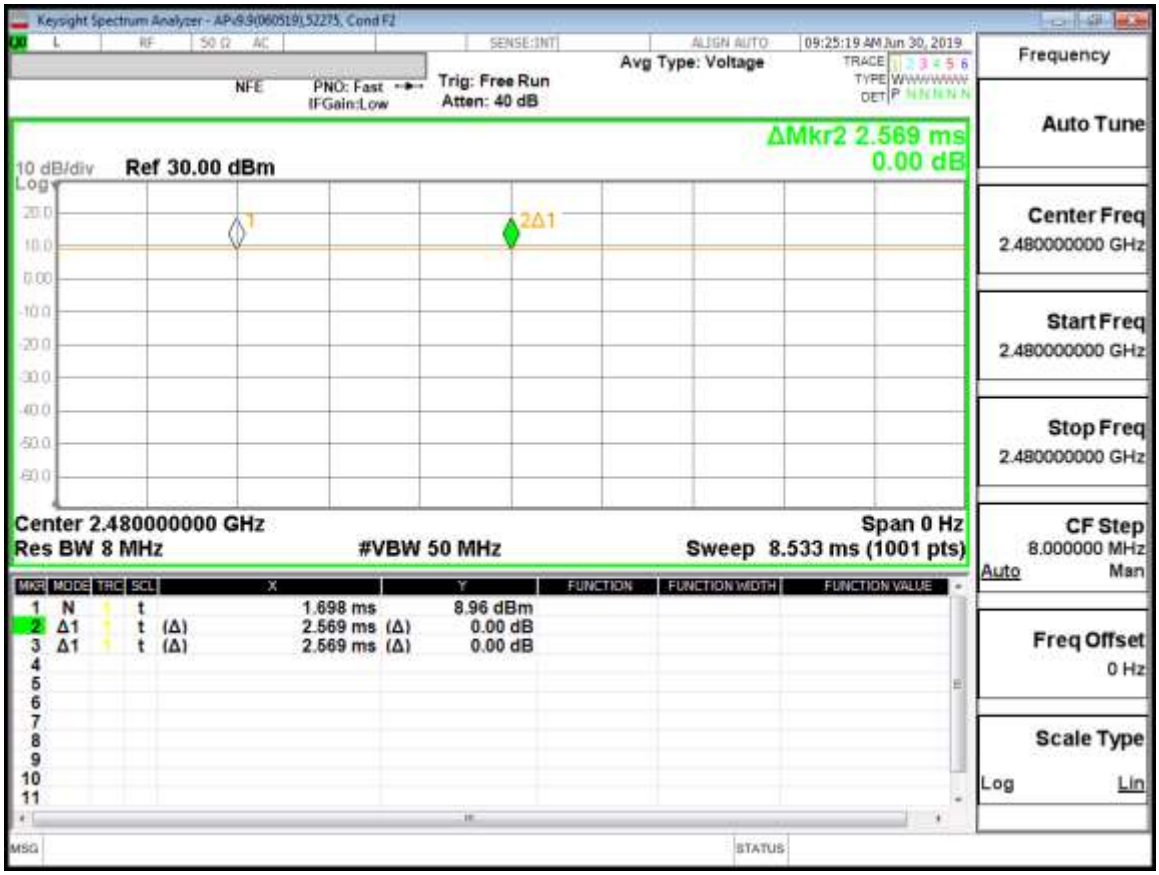
Mode	Type	T on (ms)	Period (ms)	Duty Cycle	Crest Factor (1/duty cycle)
GFSK	DH5	1	1	100.00%	1.00

Note(s):

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

Duty Cycle plots

GFSK



10. Measured and Reported (Scaled) SAR Results

SAR Test Reduction criteria are as follows:

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

KDB 447498 D01 General RF Exposure Guidance:

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

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

KDB 648474 D04 Handset SAR:

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

KDB 648474 D04 Handset SAR (Phablet Only):

For smart phones, with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm.
When hotspot mode does not apply, 10-g Extremity SAR is required for all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge in direct contact with a flat phantom, to address interactive hand use exposure conditions. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.

Additional 1-g SAR testing at 5 mm is not required when hotspot mode 10-g extremity SAR is not required for the surfaces and edges; since all 1-g reported SAR < 1.2 W/kg.

KDB 941225 D01 SAR test for 3G devices:

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

KDB 941225 D05 SAR for LTE Devices:

SAR test reduction is applied using the following criteria:

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

KDB 248227 D01 SAR meas for 802.11:

SAR test reduction for 802.11 Wi-Fi transmission mode configurations are considered separately for DSSS and OFDM. An initial test position is determined to reduce the number of tests required for certain exposure configurations with multiple test positions.

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

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

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

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

10.1. GSM850

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	GPRS 2 Slots	Mode A	0	Left Touch	190	836.6	32.25	32.10	0.160	0.166	0.123	0.127	
					Left Tilt	190	836.6	32.25	32.10	0.092	0.095	0.071	0.073	
					Right Touch	190	836.6	32.25	32.10	0.188	0.195	0.140	0.145	1
					Right Tilt	190	836.6	32.25	32.10	0.092	0.095	0.071	0.073	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	190	836.6	32.25	32.10	0.567	0.587	0.372	0.385	2
					Front	190	836.6	32.25	32.10	0.310	0.321	0.196	0.203	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 2	190	836.6	32.25	32.10	0.313	0.324	0.201	0.208	
					Edge 3	190	836.6	32.25	32.10	0.252	0.261	0.118	0.122	
					Edge 4	190	836.6	32.25	32.10	0.144	0.149	0.092	0.095	
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	30.75	30.38	0.259	0.282	0.153	0.167	
					Left Tilt	190	836.6	30.75	30.38	0.270	0.294	0.140	0.152	
					Right Touch	190	836.6	30.75	30.38	0.331	0.360	0.193	0.210	
					Right Tilt	190	836.6	30.75	30.38	0.349	0.380	0.174	0.189	3
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	190	836.6	30.75	30.38	0.412	0.449	0.218	0.237	4
					Front	190	836.6	30.75	30.38	0.234	0.255	0.123	0.134	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	190	836.6	30.75	30.38	0.263	0.286	0.119	0.130	
					Edge 2	190	836.6	30.75	30.38	0.036	0.039	0.023	0.025	
					Edge 4	190	836.6	30.75	30.38	0.160	0.174	0.102	0.111	

10.2. GSM1900

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	GPRS 2 Slots	Mode A	0	Left Touch	661	1880.0	30.75	30.37	0.104	0.114	0.067	0.073	
					Left Tilt	661	1880.0	30.75	30.37	0.057	0.062	0.035	0.038	
					Right Touch	661	1880.0	30.75	30.37	0.266	0.290	0.162	0.177	5
					Right Tilt	661	1880.0	30.75	30.37	0.111	0.121	0.067	0.073	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	512	1850.2	27.25	27.10	0.819	0.848	0.383	0.396	
						661	1880.0	27.25	27.23	0.858	0.862	0.390	0.392	
						810	1909.8	27.25	26.97	0.863	0.920	0.396	0.422	6
					Front	661	1880.0	27.25	27.23	0.467	0.469	0.256	0.257	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 2	661	1880.0	27.25	27.23	0.258	0.259	0.142	0.143	
					Edge 3	661	1880.0	27.25	27.23	0.590	0.593	0.293	0.294	
					Edge 4	661	1880.0	27.25	27.23	0.047	0.047	0.026	0.026	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	GPRS 2 Slots	Mode A	0	Left Touch	661	1880.0	28.25	28.11	0.447	0.462	0.275	0.284	
					Left Tilt	661	1880.0	28.25	28.11	0.196	0.202	0.120	0.124	
					Right Touch	661	1880.0	28.25	28.11	0.571	0.590	0.303	0.313	
					Right Tilt	661	1880.0	28.25	28.11	0.618	0.638	0.296	0.306	7
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	512	1850.2	25.25	25.22	0.870	0.876	0.414	0.417	
						661	1880.0	25.25	25.21	0.887	0.895	0.404	0.408	8
						810	1909.8	25.25	25.20	0.877	0.887	0.412	0.417	
					Front	661	1880.0	25.25	25.21	0.329	0.332	0.171	0.173	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	661	1880.0	25.25	25.21	0.302	0.305	0.131	0.132	
					Edge 2	661	1880.0	25.25	25.21	0.021	0.021	0.011	0.011	
					Edge 4	661	1880.0	25.25	25.21	0.451	0.455	0.229	0.231	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	GPRS 2 Slots	Mode A	0	Left Touch	661	1880.0	31.00	30.50	0.277	0.311	0.168	0.188	9
					Left Tilt	661	1880.0	31.00	30.50	0.100	0.112	0.062	0.070	
					Right Touch	661	1880.0	31.00	30.50	0.142	0.159	0.094	0.105	
					Right Tilt	661	1880.0	31.00	30.50	0.190	0.213	0.107	0.120	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	512	1850.2	26.50	26.00	0.860	0.965	0.458	0.514	
						661	1880.0	26.50	26.00	0.863	0.968	0.455	0.511	10
						810	1909.8	26.50	26.10	0.845	0.927	0.441	0.484	
					Front	661	1880.0	26.50	26.00	0.058	0.065	0.032	0.036	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 3	661	1880.0	26.50	26.00	0.292	0.328	0.159	0.178	
					Edge 4	661	1880.0	26.50	26.00	0.694	0.779	0.360	0.404	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	GPRS 2 Slots	Mode A	0	Left Touch	512	1850.2	24.00	23.75	0.923	0.978	0.481	0.510	11
						661	1880.0	24.00	23.75	0.874	0.926	0.446	0.472	
						810	1909.8	24.00	23.75	0.902	0.955	0.458	0.485	
					Left Tilt	661	1880.0	24.00	23.75	0.639	0.677	0.321	0.340	
					Right Touch	661	1880.0	24.00	23.75	0.090	0.095	0.043	0.046	
					Right Tilt	661	1880.0	24.00	23.75	0.083	0.088	0.044	0.047	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	661	1880.0	25.00	24.80	0.510	0.534	0.268	0.281	12
					Front	661	1880.0	25.00	24.80	0.477	0.499	0.255	0.267	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	661	1880.0	25.00	24.80	0.310	0.325	0.133	0.139	
					Edge 2	512	1850.2	25.00	24.60	0.800	0.877	0.376	0.412	
						661	1880.0	25.00	24.80	0.831	0.870	0.407	0.426	
						810	1909.8	25.00	24.80	0.852	0.892	0.395	0.414	13

10.3. W-CDMA Band II

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	25.25	0.145	0.161	0.096	0.106	
					Left Tilt	9400	1880.0	25.70	25.25	0.101	0.112	0.061	0.068	
					Right Touch	9400	1880.0	25.70	25.25	0.236	0.262	0.149	0.165	14
					Right Tilt	9400	1880.0	25.70	25.25	0.116	0.129	0.070	0.078	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9262	1852.4	21.25	21.23	0.976	0.980	0.445	0.447	15
						9400	1880.0	21.25	21.16	0.879	0.898	0.399	0.408	
						9538	1907.6	21.25	21.25	0.969	0.969	0.439	0.439	
					Front	9400	1880.0	21.25	21.16	0.600	0.613	0.326	0.333	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	9400	1880.0	21.25	21.16	0.598	0.611	0.276	0.282	
					Edge 3	9400	1880.0	21.25	21.16	0.627	0.641	0.309	0.316	
					Edge 4	9400	1880.0	21.25	21.16	0.046	0.047	0.024	0.025	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9400	1880.0	22.00	22.00	0.206	0.206	0.120	0.120	
					Left Tilt	9400	1880.0	22.00	22.00	0.215	0.215	0.111	0.111	
					Right Touch	9262	1852.4	22.00	22.00	0.847	0.847	0.431	0.431	
						9400	1880.0	22.00	22.00	0.849	0.849	0.436	0.436	
						9538	1907.6	22.00	22.00	0.906	0.906	0.464	0.464	16
					Right Tilt	9262	1852.4	22.00	22.00	0.843	0.843	0.373	0.373	
						9400	1880.0	22.00	22.00	0.810	0.810	0.361	0.361	
						9538	1907.6	22.00	22.00	0.875	0.875	0.395	0.395	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9262	1852.4	19.25	19.13	0.822	0.845	0.384	0.395	17
						9400	1880.0	19.25	19.14	0.812	0.833	0.353	0.362	
						9538	1907.6	19.25	19.04	0.732	0.768	0.337	0.354	
					Front	9400	1880.0	19.25	19.14	0.168	0.172	0.091	0.093	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	9400	1880.0	19.25	19.14	0.213	0.218	0.090	0.092	
					Edge 2	9400	1880.0	19.25	19.14	0.014	0.014	0.008	0.008	
					Edge 4	9400	1880.0	19.25	19.14	0.254	0.261	0.132	0.135	

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	9400	1880.0	25.00	24.69	0.387	0.416	0.245	0.263	18
					Left Tilt	9400	1880.0	25.00	24.69	0.191	0.205	0.123	0.132	
					Right Touch	9400	1880.0	25.00	24.69	0.221	0.237	0.146	0.157	
					Right Tilt	9400	1880.0	25.00	24.69	0.236	0.253	0.133	0.143	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9262	1852.4	20.50	20.50	0.885	0.885	0.514	0.514	
						9400	1880.0	20.50	20.50	0.933	0.933	0.532	0.532	19
						9538	1907.6	20.50	20.50	0.868	0.868	0.495	0.495	
					Front	9400	1880.0	20.50	20.50	0.361	0.361	0.205	0.205	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 3	9400	1880.0	20.50	20.50	0.314	0.314	0.166	0.166	
					Edge 4	9400	1880.0	20.50	20.50	0.644	0.644	0.340	0.340	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9262	1852.4	17.75	17.75	0.807	0.807	0.400	0.400	
						9400	1880.0	17.75	17.75	0.988	0.988	0.488	0.488	20
						9538	1907.6	17.75	17.75	0.961	0.961	0.482	0.482	
					Left Tilt	9400	1880.0	17.75	17.75	0.662	0.662	0.322	0.322	
					Right Touch	9400	1880.0	17.75	17.75	0.461	0.461	0.280	0.280	
					Right Tilt	9400	1880.0	17.75	17.75	0.382	0.382	0.209	0.209	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9400	1880.0	19.00	18.75	0.669	0.709	0.322	0.341	21
					Front	9400	1880.0	19.00	18.75	0.427	0.452	0.222	0.235	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	9400	1880.0	19.00	18.75	0.259	0.274	0.126	0.133	
					Edge 2	9262	1852.4	19.00	18.80	0.744	0.779	0.351	0.368	
						9400	1880.0	19.00	18.75	0.762	0.807	0.363	0.385	
						9538	1907.6	19.00	18.70	0.830	0.889	0.388	0.416	22

10.4. W-CDMA Band IV

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	25.64	0.143	0.145	0.098	0.099	
					Left Tilt	1413	1732.6	25.70	25.64	0.118	0.120	0.070	0.071	
					Right Touch	1413	1732.6	25.70	25.64	0.236	0.239	0.160	0.162	23
					Right Tilt	1413	1732.6	25.70	25.64	0.127	0.129	0.081	0.082	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1413	1732.6	17.50	17.35	0.483	0.499	0.246	0.254	24
					Front	1413	1732.6	17.50	17.35	0.383	0.396	0.191	0.198	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	1413	1732.6	17.50	17.35	0.127	0.131	0.070	0.072	
					Edge 3	1312	1712.4	17.50	17.22	0.841	0.898	0.396	0.423	
						1413	1732.6	17.50	17.35	0.792	0.819	0.375	0.388	
						1513	1752.6	17.50	17.34	0.898	0.931	0.418	0.434	25
					Edge 4	1413	1732.6	17.50	17.35	0.021	0.022	0.010	0.010	

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	22.00	21.81	0.243	0.254	0.147	0.154	
					Left Tilt	1413	1732.6	22.00	21.81	0.258	0.270	0.136	0.142	
					Right Touch	1312	1712.4	22.00	22.00	0.871	0.871	0.438	0.438	
						1413	1732.6	22.00	21.81	0.890	0.930	0.447	0.467	
						1513	1752.6	22.00	21.89	0.884	0.907	0.446	0.457	
					Right Tilt	1312	1712.4	22.00	22.00	0.837	0.837	0.393	0.393	
						1413	1732.6	22.00	21.81	0.903	0.943	0.420	0.439	26
						1513	1752.6	22.00	21.89	0.872	0.894	0.407	0.417	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1312	1712.4	19.50	19.20	0.834	0.894	0.376	0.403	
						1413	1732.6	19.50	19.40	0.870	0.890	0.384	0.393	27
						1513	1752.6	19.50	19.00	0.749	0.840	0.336	0.377	
					Front	1413	1732.6	19.50	19.40	0.329	0.337	0.169	0.173	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	1413	1732.6	19.50	19.40	0.386	0.395	0.172	0.176	
					Edge 2	1413	1732.6	19.50	19.40	0.017	0.017	0.008	0.008	
					Edge 4	1413	1732.6	19.50	19.40	0.378	0.387	0.193	0.197	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	1413	1732.6	25.00	24.89	0.382	0.392	0.245	0.251	28
					Left Tilt	1413	1732.6	25.00	24.89	0.341	0.350	0.207	0.212	
					Right Touch	1413	1732.6	25.00	24.89	0.312	0.320	0.207	0.212	
					Right Tilt	1413	1732.6	25.00	24.89	0.213	0.218	0.128	0.131	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1312	1712.4	21.00	20.66	0.864	0.934	0.457	0.495	29
						1413	1732.6	21.00	20.73	0.855	0.910	0.465	0.495	
						1513	1752.6	21.00	20.75	0.797	0.844	0.434	0.460	
					Front	1413	1732.6	21.00	20.73	0.346	0.368	0.202	0.215	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 3	1413	1732.6	21.00	20.73	0.150	0.160	0.064	0.068	
					Edge 4	1413	1732.6	21.00	20.73	0.464	0.494	0.242	0.258	

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	21.25	20.86	0.795	0.870	0.411	0.450	
						1413	1732.6	21.25	21.20	0.821	0.831	0.431	0.436	
						1513	1752.6	21.25	21.21	0.958	0.967	0.492	0.497	30
					Left Tilt	1413	1732.6	21.25	21.20	0.676	0.684	0.327	0.331	
					Right Touch	1413	1732.6	21.25	21.20	0.267	0.270	0.160	0.162	
					Right Tilt	1413	1732.6	21.25	21.20	0.204	0.206	0.108	0.109	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1413	1732.6	21.50	21.40	0.385	0.394	0.197	0.202	31
					Front	1413	1732.6	21.50	21.40	0.308	0.315	0.161	0.165	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	1413	1732.6	21.50	21.40	0.303	0.310	0.143	0.146	
					Edge 2	1312	1712.4	21.50	21.45	0.735	0.744	0.346	0.350	
						1413	1732.6	21.50	21.40	0.790	0.808	0.369	0.378	
						1513	1752.6	21.50	21.50	0.888	0.888	0.414	0.414	32

10.5. W-CDMA Band V

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	25.46	0.182	0.192	0.139	0.147	
					Left Tilt	4183	836.6	25.70	25.46	0.098	0.104	0.076	0.080	
					Right Touch	4183	836.6	25.70	25.46	0.211	0.223	0.160	0.169	33
					RighttTilt	4183	836.6	25.70	25.46	0.100	0.106	0.078	0.082	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	4183	836.6	25.70	25.46	0.396	0.418	0.259	0.274	34
					Front	4183	836.6	25.70	25.46	0.343	0.362	0.218	0.230	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	4183	836.6	25.70	25.46	0.443	0.468	0.285	0.301	35
					Edge 3	4183	836.6	25.70	25.46	0.274	0.290	0.130	0.137	
					Edge 4	4183	836.6	25.70	25.46	0.165	0.174	0.106	0.112	
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	24.50	24.37	0.307	0.316	0.175	0.180	
					Left Tilt	4183	836.6	24.50	24.37	0.267	0.275	0.139	0.143	
					Right Touch	4183	836.6	24.50	24.37	0.344	0.354	0.223	0.230	
					Right Tilt	4183	836.6	24.50	24.37	0.350	0.361	0.185	0.191	36
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	4183	836.6	24.50	24.37	0.328	0.338	0.177	0.182	37
					Front	4183	836.6	24.50	24.37	0.201	0.207	0.111	0.114	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	4183	836.6	24.50	24.37	0.300	0.309	0.137	0.141	
					Edge 2	4183	836.6	24.50	24.37	0.050	0.052	0.032	0.033	
					Edge 4	4183	836.6	24.50	24.37	0.233	0.240	0.150	0.155	

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	0.152	0.159	
					Left Tilt	384	836.5	25.70	25.50	0.121	0.127	0.093	0.097	
					Right Touch	384	836.5	25.70	25.50	0.245	0.257	0.184	0.193	38
					Right Tilt	384	836.5	25.70	25.50	0.134	0.140	0.104	0.109	
		1xEVDO Rel. 0	Mode A	0	Left Touch	384	836.5	25.70	25.50	0.207	0.217	0.157	0.164	
					Left Tilt	384	836.5	25.70	25.50	0.112	0.117	0.085	0.089	
					Right Touch	384	836.5	25.70	25.50	0.218	0.228	0.163	0.171	
					Right Tilt	384	836.5	25.70	25.50	0.100	0.105	0.077	0.081	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	384	836.5	25.70	25.50	0.440	0.461	0.279	0.292	39
					Front	384	836.5	25.70	25.50	0.226	0.237	0.146	0.153	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	384	836.5	25.70	25.50	0.379	0.397	0.243	0.254	
					Edge 3	384	836.5	25.70	25.50	0.250	0.262	0.119	0.125	
					Edge 4	384	836.5	25.70	25.50	0.134	0.140	0.086	0.090	
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	24.50	24.43	0.318	0.323	0.187	0.190	
					Left Tilt	384	836.5	24.50	24.43	0.313	0.318	0.162	0.165	
					Right Touch	384	836.5	24.50	24.43	0.537	0.546	0.325	0.330	
					Right Tilt	384	836.5	24.50	24.43	0.552	0.561	0.264	0.268	40
		1xEVDO Rel. 0	Mode A	0	Left Touch	384	836.5	24.50	24.34	0.300	0.311	0.171	0.177	
					Left Tilt	384	836.5	24.50	24.34	0.302	0.313	0.154	0.160	
					Right Touch	384	836.5	24.50	24.34	0.457	0.474	0.264	0.274	
					Right Tilt	384	836.5	24.50	24.34	0.462	0.479	0.232	0.241	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	384	836.5	24.50	24.41	0.651	0.665	0.340	0.347	41
					Front	384	836.5	24.50	24.41	0.303	0.309	0.162	0.165	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	384	836.5	24.50	24.41	0.370	0.378	0.168	0.172	
					Edge 2	384	836.5	24.50	24.41	0.073	0.075	0.047	0.048	
					Edge 4	384	836.5	24.50	24.41	0.302	0.308	0.192	0.196	

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	25.68	0.153	0.154	0.101	0.101	
					Left Tilt	600	1880.0	25.70	25.68	0.110	0.111	0.068	0.068	
					Right Touch	600	1880.0	25.70	25.68	0.371	0.373	0.221	0.222	42
					Right Tilt	600	1880.0	25.70	25.68	0.145	0.146	0.088	0.088	
		1xEVDO Rel. 0	Mode A	0	Left Touch	600	1880.0	25.70	25.68	0.146	0.147	0.096	0.096	
					Left Tilt	600	1880.0	25.70	25.68	0.082	0.082	0.050	0.050	
					Right Touch	600	1880.0	25.70	25.68	0.246	0.247	0.157	0.158	
					Right Tilt	600	1880.0	25.70	25.68	0.135	0.136	0.083	0.083	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	25	1851.3	21.25	21.24	0.906	0.908	0.415	0.416	
						600	1880.0	21.25	21.14	0.957	0.982	0.429	0.440	43
						1175	1908.8	21.25	21.13	0.938	0.964	0.421	0.433	
					Front	600	1880.0	21.25	21.14	0.329	0.337	0.180	0.185	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	600	1880.0	21.25	21.14	0.481	0.493	0.223	0.229	
					Edge 3	600	1880.0	21.25	21.14	0.646	0.663	0.320	0.328	
					Edge 4	600	1880.0	21.25	21.14	0.045	0.046	0.022	0.023	

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	22.00	21.84	0.278	0.288	0.149	0.155	
					Left Tilt	600	1880.0	22.00	21.84	0.248	0.257	0.125	0.130	
					Right Touch	25	1851.3	22.00	21.93	0.935	0.950	0.465	0.473	
						600	1880.0	22.00	21.84	0.915	0.949	0.459	0.476	
						1175	1908.8	22.00	21.80	0.902	0.945	0.458	0.480	
					Right Tilt	25	1851.3	22.00	21.93	0.904	0.919	0.408	0.415	
						600	1880.0	22.00	21.84	0.868	0.901	0.396	0.411	
						1175	1908.8	22.00	21.80	0.890	0.932	0.409	0.428	
		1xEVDO Rel. 0	Mode A	0	Left Touch	600	1880.0	22.00	21.88	0.173	0.178	0.104	0.107	
					Left Tilt	600	1880.0	22.00	21.88	0.212	0.218	0.011	0.011	
					Right Touch	25	1851.3	22.00	21.95	0.982	0.993	0.511	0.517	44
						600	1880.0	22.00	21.88	0.896	0.921	0.534	0.549	
						1175	1908.8	22.00	21.90	0.967	0.990	0.510	0.522	
					Right Tilt	25	1851.3	22.00	21.95	0.850	0.860	0.398	0.403	
						600	1880.0	22.00	21.88	0.831	0.854	0.390	0.401	
						1175	1908.8	22.00	21.90	0.822	0.841	0.388	0.397	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	25	1851.3	19.25	18.99	0.754	0.801	0.358	0.380	
						600	1880.0	19.25	18.97	0.763	0.814	0.360	0.384	
						1175	1908.8	19.25	19.00	0.837	0.887	0.394	0.417	45
					Front	600	1880.0	19.25	18.97	0.176	0.188	0.095	0.101	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	600	1880.0	19.25	18.97	0.276	0.294	0.122	0.130	
					Edge 2	600	1880.0	19.25	18.97	0.025	0.027	0.013	0.014	
					Edge 4	600	1880.0	19.25	18.97	0.359	0.383	0.187	0.199	

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	25.70	0.155	0.155	0.120	0.120	
					Left Tilt	560	820.0	25.70	25.70	0.100	0.100	0.076	0.076	
					Right Touch	560	820.0	25.70	25.70	0.206	0.206	0.156	0.156	
					Right Tilt	560	820.0	25.70	25.70	0.104	0.104	0.080	0.080	
		1xEVDO Rel. 0	Mode A	0	Left Touch	560	820.0	25.70	25.70	0.175	0.175	0.132	0.132	
					Left Tilt	560	820.0	25.70	25.70	0.108	0.108	0.082	0.082	
					Right Touch	560	820.0	25.70	25.70	0.242	0.242	0.182	0.182	46
					Right Tilt	560	820.0	25.70	25.70	0.112	0.112	0.085	0.085	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	560	820.0	25.70	25.70	0.392	0.392	0.243	0.243	47
					Front	560	820.0	25.70	25.70	0.220	0.220	0.140	0.140	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	560	820.0	25.70	25.70	0.398	0.398	0.256	0.256	48
					Edge 3	560	820.0	25.70	25.70	0.235	0.235	0.113	0.113	
					Edge 4	560	820.0	25.70	25.70	0.145	0.145	0.094	0.094	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	1xRTT RC3 SO55	Mode A	0	Left Touch	560	820.0	24.50	24.45	0.283	0.286	0.163	0.165	
					Left Tilt	560	820.0	24.50	24.45	0.271	0.274	0.142	0.144	
					Right Touch	560	820.0	24.50	24.45	0.420	0.425	0.254	0.257	
					Right Tilt	560	820.0	24.50	24.45	0.447	0.452	0.217	0.220	
		1xEVDO Rel. 0	Mode A	0	Left Touch	560	820.0	24.50	24.28	0.294	0.309	0.169	0.178	
					Left Tilt	560	820.0	24.50	24.28	0.293	0.308	0.152	0.160	
					Right Touch	560	820.0	24.50	24.28	0.460	0.484	0.265	0.279	49
					Right Tilt	560	820.0	24.50	24.28	0.415	0.437	0.207	0.218	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	560	820.0	24.50	24.40	0.628	0.643	0.325	0.333	50
					Front	560	820.0	24.50	24.40	0.262	0.268	0.139	0.142	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	560	820.0	24.50	24.40	0.335	0.343	0.152	0.156	
					Edge 2	560	820.0	24.50	24.40	0.074	0.076	0.048	0.049	
					Edge 4	560	820.0	24.50	24.40	0.235	0.240	0.151	0.155	

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	25.52	0.165	0.172	0.125	0.130	
								25	12	24.70	24.44	0.130	0.138	0.098	0.104	
					Left Tilt	20525	836.5	1	25	25.70	25.52	0.115	0.120	0.089	0.093	
								25	12	24.70	24.44	0.090	0.095	0.069	0.074	
					Right Touch	20525	836.5	1	25	25.70	25.52	0.210	0.219	0.153	0.159	51
								25	12	24.70	24.44	0.173	0.184	0.128	0.136	
					Right Tilt	20525	836.5	1	25	25.70	25.52	0.100	0.104	0.076	0.080	
								25	12	24.70	24.44	0.082	0.087	0.063	0.067	
	Body & Hotspot	QPSK	Mode B	5	Rear	20525	836.5	1	25	25.70	25.52	0.462	0.482	0.293	0.305	52
								25	12	24.70	24.44	0.365	0.388	0.231	0.245	
					Front	20525	836.5	1	25	25.70	25.52	0.252	0.263	0.161	0.168	
								25	12	24.70	24.44	0.201	0.213	0.126	0.134	
	Hotspot	QPSK	Mode B	5	Edge 2	20525	836.5	1	25	25.70	25.52	0.403	0.420	0.258	0.269	
								25	12	24.70	24.44	0.320	0.340	0.205	0.218	
					Edge 3	20525	836.5	1	25	25.70	25.52	0.275	0.287	0.132	0.138	
								25	12	24.70	24.44	0.225	0.239	0.107	0.114	
					Edge 4	20525	836.5	1	25	25.70	25.52	0.151	0.157	0.097	0.101	
								25	12	24.70	24.44	0.120	0.127	0.077	0.082	
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	24.37	0.296	0.305	0.176	0.181	
								25	12	23.50	23.32	0.236	0.246	0.140	0.146	
					Left Tilt	20525	836.5	1	25	24.50	24.37	0.299	0.308	0.155	0.160	
								25	12	23.50	23.32	0.241	0.251	0.124	0.129	
					Right Touch	20525	836.5	1	25	24.50	24.37	0.385	0.397	0.232	0.239	
								25	12	23.50	23.32	0.302	0.315	0.182	0.190	
					Right Tilt	20525	836.5	1	25	24.50	24.37	0.440	0.453	0.215	0.222	53
								25	12	23.50	23.32	0.356	0.371	0.172	0.179	
	Body & Hotspot	QPSK	Mode B	5	Rear	20525	836.5	1	25	24.50	24.37	0.528	0.544	0.276	0.284	54
								25	12	23.50	23.32	0.422	0.440	0.220	0.229	
					Front	20525	836.5	1	25	24.50	24.37	0.283	0.292	0.150	0.155	
								25	12	23.50	23.32	0.226	0.236	0.120	0.125	
	Hotspot	QPSK	Mode B	5	Edge 1	20525	836.5	1	25	24.50	24.37	0.480	0.495	0.214	0.221	
								25	12	23.50	23.32	0.386	0.402	0.171	0.178	
					Edge 2	20525	836.5	1	25	24.50	24.37	0.067	0.069	0.043	0.044	
								25	12	23.50	23.32	0.053	0.055	0.034	0.035	
					Edge 4	20525	836.5	1	25	24.50	24.37	0.257	0.265	0.164	0.169	
								25	12	23.50	23.32	0.206	0.215	0.132	0.138	

UL CA 5B

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offest	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	20525	836.5	1	49	20599	843.9	1	0	25.00	24.98	0.202	0.203	0.151	0.152	
ANT 1	Body	QPSK	Mode B	5	Rear	20525	836.5	1	49	20599	843.9	1	0	25.00	24.98	0.367	0.369	0.230	0.231	
ANT 2	Head	QPSK	Mode A	0	Right Tilt	20525	836.5	1	49	20599	843.9	1	0	23.50	23.50	0.305	0.305	0.164	0.164	
ANT 2	Body	QPSK	Mode B	5	Rear	20525	836.5	1	49	20599	843.9	1	0	23.50	23.50	0.506	0.506	0.272	0.272	

Note(s):

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

10.10. LTE Band 7 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	21100	2535.0	1	49	25.70	25.66	0.190	0.192	0.108	0.109	
								50	24	24.70	24.61	0.149	0.152	0.080	0.082	
					Left Tilt	21100	2535.0	1	49	25.70	25.66	0.172	0.174	0.084	0.085	
								50	24	24.70	24.61	0.135	0.138	0.067	0.068	
					Right Touch	21100	2535.0	1	49	25.70	25.66	0.378	0.381	0.192	0.194	55
								50	24	24.70	24.61	0.301	0.307	0.153	0.156	
					Right Tilt	21100	2535.0	1	49	25.70	25.66	0.110	0.111	0.055	0.056	
								50	24	24.70	24.61	0.101	0.103	0.051	0.052	
	Body & Hotspot	QPSK	Mode B	5	Rear	21100	2535.0	1	49	20.25	20.18	0.631	0.641	0.284	0.289	
								50	24	20.25	20.05	0.639	0.669	0.289	0.303	56
					Front	21100	2535.0	1	49	20.25	20.18	0.408	0.415	0.171	0.174	
								50	24	20.25	20.05	0.409	0.428	0.173	0.181	
	Hotspot	QPSK	Mode B	5	Edge 2	20850	2510.0	1	49	20.25	20.18	0.923	0.938	0.358	0.364	
								50	24	20.25	20.12	0.953	0.982	0.367	0.378	57
						21100	2535.0	1	49	20.25	20.18	0.822	0.835	0.324	0.329	
								50	24	20.25	20.05	0.772	0.808	0.308	0.323	
								100	0	20.25	20.19	0.722	0.732	0.290	0.294	
						21350	2560.0	1	49	20.25	20.02	0.826	0.871	0.323	0.341	
								50	24	20.25	20.15	0.824	0.843	0.321	0.328	
					Edge 3	21100	2535.0	1	49	20.25	20.18	0.375	0.381	0.145	0.147	
								50	24	20.25	20.05	0.426	0.446	0.160	0.168	
					Edge 4	21100	2535.0	1	49	20.25	20.18	0.072	0.073	0.034	0.035	
								50	24	20.25	20.05	0.074	0.077	0.036	0.038	

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	19.25	19.20	0.720	0.728	0.300	0.303	
								50	24	19.25	19.12	0.731	0.753	0.303	0.312	
						21100	2535.0	1	49	19.25	19.21	0.827	0.835	0.339	0.342	
								50	24	19.25	19.18	0.824	0.837	0.336	0.341	
								100	0	19.25	19.06	0.884	0.924	0.354	0.370	
						21350	2560.0	1	49	19.25	19.20	0.778	0.787	0.318	0.322	
								50	24	19.25	19.10	0.785	0.813	0.320	0.331	
					Left Tilt	20850	2510.0	1	49	19.25	19.20	0.877	0.887	0.351	0.355	
								50	24	19.25	19.12	0.873	0.900	0.354	0.365	
						21100	2535.0	1	49	19.25	19.21	0.981	0.990	0.393	0.397	
								50	24	19.25	19.18	0.909	0.924	0.357	0.363	
								100	0	19.25	19.06	0.920	0.961	0.362	0.378	
						21350	2560.0	1	49	19.25	19.20	0.931	0.942	0.361	0.365	
								50	24	19.25	19.10	0.922	0.954	0.359	0.372	
					Right Touch	20850	2510.0	1	49	19.25	19.20	0.986	0.997	0.410	0.415	58
								50	24	19.25	19.12	0.854	0.880	0.359	0.370	
						21100	2535.0	1	49	19.25	19.21	0.967	0.976	0.400	0.404	
								50	24	19.25	19.18	0.975	0.991	0.401	0.408	
								100	0	19.25	19.06	0.857	0.895	0.357	0.373	
						21350	2560.0	1	49	19.25	19.20	0.832	0.842	0.350	0.354	
								50	24	19.25	19.10	0.884	0.915	0.379	0.392	
					Right Tilt	20850	2510.0	1	49	19.25	19.20	0.899	0.909	0.368	0.372	
								50	24	19.25	19.12	0.896	0.923	0.364	0.375	
						21100	2535.0	1	49	19.25	19.21	0.939	0.948	0.385	0.389	
								50	24	19.25	19.18	0.961	0.977	0.408	0.415	
								100	0	19.25	19.06	0.935	0.977	0.378	0.395	
						21350	2560.0	1	49	19.25	19.20	0.892	0.902	0.365	0.369	
								50	24	19.25	19.10	0.895	0.926	0.364	0.377	
	Body & Hotspot	QPSK	Mode B	5	Rear	20850	2510.0	1	49	20.50	20.15	0.818	0.887	0.357	0.387	
								50	24	20.50	20.40	0.852	0.872	0.380	0.389	
						21100	2535.0	1	49	20.50	20.40	0.864	0.884	0.381	0.390	
								50	24	20.50	20.50	0.872	0.872	0.384	0.384	
								100	0	20.50	20.40	0.870	0.890	0.384	0.393	59
						21350	2560.0	1	49	20.50	20.11	0.736	0.805	0.339	0.371	
								50	24	20.50	20.00	0.755	0.847	0.348	0.390	
					Front	21100	2535.0	1	49	20.50	20.40	0.506	0.518	0.205	0.210	
								50	24	20.50	20.50	0.501	0.501	0.203	0.203	
	Hotspot	QPSK	Mode B	5	Edge 1	20850	2510.0	1	49	20.50	20.15	0.593	0.643	0.241	0.261	
						21100	2535.0	1	49	20.50	20.40	0.784	0.802	0.281	0.288	
								50	24	20.50	20.50	0.736	0.736	0.278	0.278	
						21350	2560.0	1	49	20.50	20.11	0.579	0.633	0.186	0.203	
					Edge 2	21100	2535.0	1	49	20.50	20.40	0.068	0.070	0.032	0.033	
								50	24	20.50	20.50	0.067	0.067	0.031	0.031	
					Edge 4	21100	2535.0	1	49	20.50	20.40	0.591	0.605	0.248	0.254	
								50	24	20.50	20.50	0.552	0.552	0.234	0.234	

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	21100	2535.0	1	49	25.00	24.50	0.618	0.693	0.478	0.536	60
								50	24	24.00	23.50	0.504	0.565	0.270	0.303	
					Left Tilt	21100	2535.0	1	49	25.00	24.50	0.221	0.248	0.115	0.129	
								50	24	24.00	23.50	0.183	0.205	0.096	0.108	
					Right Touch	21100	2535.0	1	49	25.00	24.50	0.365	0.410	0.206	0.231	
								50	24	24.00	23.50	0.287	0.322	0.161	0.181	
					Right Tilt	21100	2535.0	1	49	25.00	24.50	0.281	0.315	0.143	0.160	
								50	24	24.00	23.50	0.224	0.251	0.114	0.128	
	Body & Hotspot	QPSK	Mode B	5	Rear	20850	2510.0	1	49	20.00	19.74	0.730	0.775	0.336	0.357	
								50	24	20.00	19.50	0.726	0.815	0.355	0.398	
						21100	2535.0	1	49	20.00	19.71	0.788	0.842	0.381	0.407	
								50	24	20.00	19.82	0.783	0.816	0.378	0.394	
								100	0	20.00	19.50	0.768	0.862	0.371	0.416	61
						21350	2560.0	1	49	20.00	19.78	0.604	0.635	0.286	0.301	
								50	24	20.00	19.80	0.612	0.641	0.288	0.302	
					Front	21100	2535.0	1	49	20.00	19.71	0.512	0.547	0.249	0.266	
								50	24	20.00	19.82	0.518	0.540	0.252	0.263	
	Hotspot	QPSK	Mode B	5	Edge 3	21100	2535.0	1	49	20.00	19.71	0.068	0.073	0.035	0.037	
								50	24	20.00	19.82	0.071	0.074	0.035	0.036	
					Edge 4	20850	2510.0	1	49	20.00	19.74	0.893	0.948	0.381	0.405	62
								50	24	20.00	19.50	0.833	0.935	0.359	0.403	
						21100	2535.0	1	49	20.00	19.71	0.827	0.884	0.349	0.373	
								50	24	20.00	19.82	0.826	0.861	0.356	0.371	
								100	0	20.00	19.50	0.783	0.879	0.339	0.380	
						21350	2560.0	1	49	20.00	19.78	0.766	0.806	0.331	0.348	
								50	24	20.00	19.80	0.755	0.791	0.325	0.340	

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	20850	2510.0	1	49	18.00	17.90	0.971	0.994	0.482	0.493	63
								50	24	18.00	17.95	0.973	0.984	0.480	0.486	
						21100	2535.0	1	49	18.00	17.50	0.880	0.987	0.402	0.451	
								50	24	18.00	17.52	0.882	0.985	0.403	0.450	
								100	0	18.00	17.80	0.928	0.972	0.453	0.474	
						21350	2560.0	1	49	18.00	17.80	0.941	0.985	0.452	0.473	
								50	24	18.00	17.82	0.954	0.994	0.463	0.483	
					Left Touch	20850	2510.0	1	49	18.00	17.90	0.751	0.768	0.377	0.386	
								50	24	18.00	17.95	0.801	0.810	0.422	0.427	
						21100	2535.0	1	49	18.00	17.50	0.730	0.819	0.365	0.410	
								50	24	18.00	17.52	0.779	0.870	0.381	0.426	
								100	0	18.00	17.80	0.765	0.801	0.415	0.435	
						21350	2560.0	1	49	18.00	17.80	0.767	0.803	0.413	0.432	
								50	24	18.00	17.82	0.788	0.821	0.432	0.450	
					Right Touch	21100	2535.0	1	49	18.00	17.50	0.456	0.512	0.230	0.258	
								50	24	18.00	17.52	0.372	0.415	0.187	0.209	
					Right Tilt	21100	2535.0	1	49	18.00	17.50	0.462	0.518	0.233	0.261	
								50	24	18.00	17.52	0.365	0.408	0.183	0.204	
	Body & Hotspot	QPSK	Mode B	5	Rear	20850	2510.0	1	49	18.50	18.35	0.858	0.888	0.398	0.412	
								50	24	18.50	18.25	0.847	0.897	0.393	0.416	64
						21100	2535.0	1	49	18.50	18.08	0.788	0.868	0.363	0.400	
								50	24	18.50	18.20	0.789	0.845	0.362	0.388	
								100	0	18.50	18.20	0.791	0.848	0.364	0.390	
						21350	2560.0	1	49	18.50	18.35	0.834	0.863	0.385	0.399	
								50	24	18.50	18.20	0.836	0.896	0.384	0.411	
					Front	21100	2535.0	1	49	18.50	18.08	0.545	0.600	0.274	0.302	
								50	24	18.50	18.20	0.541	0.580	0.274	0.294	
	Hotspot	QPSK	Mode B	5	Edge 1	21100	2535.0	1	49	18.50	18.08	0.271	0.299	0.105	0.116	
								50	24	18.50	18.20	0.277	0.297	0.107	0.115	
					Edge 2	21100	2535.0	1	49	18.50	18.08	0.628	0.692	0.292	0.322	
								50	24	18.50	18.20	0.577	0.618	0.250	0.268	

UL CA 7C

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offest	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	21100	2535.0	1	99	21298	2554.8	1	0	25.00	24.94	0.372	0.377	0.185	0.188	
ANT 1	Body	QPSK	Mode B	5	Rear	21100	2535.0	1	99	21298	2554.8	1	0	20.25	20.25	0.591	0.591	0.277	0.277	
ANT 1	Hotspot	QPSK	Mode B	5	Edge 2	20850	2510.0	1	99	21048	2529.8	1	0	20.25	20.25	0.856	0.856	0.334	0.334	
ANT 2	Head	QPSK	Mode A	0	Right Touch	20850	2510.0	1	99	21048	2529.8	1	0	19.25	19.20	0.844	0.854	0.337	0.341	
ANT 2	Body	QPSK	Mode B	5	Rear	21100	2535.0	1	99	21298	2554.8	1	0	20.50	20.50	0.852	0.852	0.364	0.364	
ANT 3	Head	QPSK	Mode A	0	Left Touch	21100	2535.0	1	99	21298	2554.8	1	0	24.50	24.43	0.527	0.536	0.291	0.296	
ANT 3	Body	QPSK	Mode B	5	Rear	21100	2535.0	1	99	21298	2554.8	1	0	20.00	19.92	0.695	0.708	0.324	0.330	
ANT 3	Hotspot	QPSK	Mode B	5	Edge 4	20850	2510.0	1	99	21048	2529.8	1	0	20.00	19.82	0.737	0.768	0.312	0.325	
ANT 4	Head	QPSK	Mode A	0	Left Touch	20850	2510.0	1	99	21048	2529.8	1	0	18.00	17.95	0.930	0.941	0.430	0.435	
ANT 4	Body	QPSK	Mode B	5	Rear	20850	2510.0	1	99	21048	2529.8	1	0	18.50	18.48	0.778	0.782	0.399	0.401	

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	25.60	0.182	0.186	0.141	0.144	65
								25	12	24.70	24.53	0.154	0.160	0.117	0.122	
					Left Tilt	23095	707.5	1	25	25.70	25.60	0.089	0.091	0.071	0.073	
								25	12	24.70	24.53	0.073	0.076	0.058	0.061	
					Right Touch	23095	707.5	1	25	25.70	25.60	0.162	0.166	0.128	0.131	
								25	12	24.70	24.53	0.136	0.141	0.108	0.112	
					Right Tilt	23095	707.5	1	25	25.70	25.60	0.117	0.120	0.093	0.095	
								25	12	24.70	24.53	0.096	0.100	0.076	0.079	
	Body & Hotspot	QPSK	Mode B	5	Rear	23095	707.5	1	25	25.70	25.60	0.668	0.684	0.413	0.423	66
								25	12	24.70	24.53	0.507	0.527	0.315	0.328	
					Front	23095	707.5	1	25	25.70	25.60	0.278	0.284	0.189	0.193	
								25	12	24.70	24.53	0.222	0.231	0.151	0.157	
	Hotspot	QPSK	Mode B	5	Edge 2	23095	707.5	1	25	25.70	25.60	0.579	0.592	0.388	0.397	
								25	12	24.70	24.53	0.454	0.472	0.304	0.316	
					Edge 3	23095	707.5	1	25	25.70	25.60	0.138	0.141	0.062	0.063	
								25	12	24.70	24.53	0.109	0.113	0.049	0.051	
					Edge 4	23095	707.5	1	25	25.70	25.60	0.360	0.368	0.241	0.247	
								25	12	24.70	24.53	0.292	0.304	0.195	0.203	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	23095	707.5	1	25	24.50	24.00	0.188	0.211	0.128	0.144	
								25	12	23.50	23.00	0.148	0.166	0.101	0.113	
					Left Tilt	23095	707.5	1	25	24.50	24.00	0.188	0.211	0.109	0.122	
								25	12	23.50	23.00	0.149	0.167	0.086	0.096	
					Right Touch	23095	707.5	1	25	24.50	24.00	0.262	0.294	0.178	0.200	
								25	12	23.50	23.00	0.208	0.233	0.140	0.157	
					Right Tilt	23095	707.5	1	25	24.50	24.00	0.296	0.332	0.157	0.176	67
								25	12	23.50	23.00	0.238	0.267	0.127	0.142	
	Body & Hotspot	QPSK	Mode B	5	Rear	23095	707.5	1	25	24.50	24.00	0.223	0.250	0.141	0.158	68
								25	12	23.50	23.00	0.176	0.197	0.111	0.125	
					Front	23095	707.5	1	25	24.50	24.00	0.144	0.162	0.095	0.107	
								25	12	23.50	23.00	0.115	0.129	0.076	0.085	
	Hotspot	QPSK	Mode B	5	Edge 1	23095	707.5	1	25	24.50	24.00	0.138	0.155	0.061	0.068	
								25	12	23.50	23.00	0.108	0.121	0.048	0.054	
					Edge 2	23095	707.5	1	25	24.50	24.00	0.161	0.181	0.106	0.119	
								25	12	23.50	23.00	0.127	0.142	0.083	0.093	
					Edge 4	23095	707.5	1	25	24.50	24.00	0.335	0.376	0.225	0.252	69
								25	12	23.50	23.00	0.265	0.297	0.177	0.199	

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	25.70	0.175	0.175	0.136	0.136	
								25	12	24.70	24.46	0.152	0.161	0.117	0.124	
					Left Tilt	23230	782.0	1	25	25.70	25.70	0.100	0.100	0.080	0.080	
								25	12	24.70	24.46	0.078	0.083	0.063	0.066	
					Right Touch	23230	782.0	1	25	25.70	25.70	0.193	0.193	0.150	0.150	70
								25	12	24.70	24.46	0.152	0.161	0.116	0.123	
					Right Tilt	23230	782.0	1	25	25.70	25.70	0.142	0.142	0.110	0.110	
								25	12	24.70	24.46	0.111	0.117	0.087	0.092	
	Body & Hotspot	QPSK	Mode B	5	Rear	23230	782.0	1	25	25.70	25.70	0.462	0.462	0.299	0.299	71
								25	12	24.70	24.46	0.358	0.378	0.232	0.245	
					Front	23230	782.0	1	25	25.70	25.70	0.258	0.258	0.173	0.173	
								25	12	24.70	24.46	0.200	0.211	0.134	0.142	
	Hotspot	QPSK	Mode B	5	Edge 2	23230	782.0	1	25	25.70	25.70	0.524	0.524	0.346	0.346	72
								25	12	24.70	24.46	0.416	0.440	0.275	0.291	
					Edge 3	23230	782.0	1	25	25.70	25.70	0.175	0.175	0.083	0.083	
								25	12	24.70	24.46	0.135	0.143	0.064	0.068	
					Edge 4	23230	782.0	1	25	25.70	25.70	0.319	0.319	0.210	0.210	
								25	12	24.70	24.46	0.257	0.272	0.169	0.179	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	23230	782.0	1	25	24.50	24.00	0.278	0.312	0.203	0.228	
								25	12	23.50	23.00	0.220	0.247	0.158	0.177	
					Left Tilt	23230	782.0	1	25	24.50	24.00	0.238	0.267	0.137	0.154	
								25	12	23.50	23.00	0.139	0.156	0.082	0.092	
					Right Touch	23230	782.0	1	25	24.50	24.00	0.307	0.344	0.222	0.249	73
								25	12	23.50	23.00	0.229	0.257	0.165	0.185	
					Right Tilt	23230	782.0	1	25	24.50	24.00	0.289	0.324	0.155	0.174	
								25	12	23.50	23.00	0.225	0.252	0.120	0.135	
	Body & Hotspot	QPSK	Mode B	5	Rear	23230	782.0	1	25	24.50	24.00	0.280	0.314	0.172	0.193	74
								25	12	23.50	23.00	0.221	0.248	0.136	0.153	
					Front	23230	782.0	1	25	24.50	24.00	0.123	0.138	0.081	0.091	
								25	12	23.50	23.00	0.099	0.111	0.066	0.074	
	Hotspot	QPSK	Mode B	5	Edge 1	23230	782.0	1	25	24.50	24.00	0.079	0.089	0.038	0.043	
								25	12	23.50	23.00	0.061	0.068	0.029	0.033	
					Edge 2	23230	782.0	1	25	24.50	24.00	0.213	0.239	0.140	0.157	
								25	12	23.50	23.00	0.170	0.191	0.111	0.125	
					Edge 4	23230	782.0	1	25	24.50	24.00	0.356	0.399	0.233	0.261	75
								25	12	23.50	23.00	0.283	0.318	0.186	0.209	

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	25.70	0.193	0.193	0.146	0.146	
								25	12	24.70	24.60	0.160	0.164	0.121	0.124	
					Left Tilt	23330	793.0	1	25	25.70	25.70	0.121	0.121	0.094	0.094	
								25	12	24.70	24.60	0.098	0.100	0.077	0.078	
					Right Touch	23330	793.0	1	25	25.70	25.70	0.217	0.217	0.162	0.162	76
								25	12	24.70	24.60	0.171	0.175	0.130	0.133	
					Right Tilt	23330	793.0	1	25	25.70	25.70	0.120	0.120	0.094	0.094	
								25	12	24.70	24.60	0.110	0.113	0.085	0.087	
	Body & Hotspot	QPSK	Mode B	5	Rear	23330	793.0	1	25	25.70	25.70	0.427	0.427	0.267	0.267	77
								25	12	24.70	24.60	0.345	0.353	0.216	0.221	
					Front	23330	793.0	1	25	25.70	25.70	0.252	0.252	0.167	0.167	
								25	12	24.70	24.60	0.204	0.209	0.134	0.137	
	Hotspot	QPSK	Mode B	5	Edge 2	23330	793.0	1	25	25.70	25.70	0.390	0.390	0.256	0.256	
								25	12	24.70	24.60	0.315	0.322	0.207	0.212	
					Edge 3	23330	793.0	1	25	25.70	25.70	0.148	0.148	0.068	0.068	
								25	12	24.70	24.60	0.120	0.123	0.056	0.057	
					Edge 4	23330	793.0	1	25	25.70	25.70	0.270	0.270	0.175	0.175	
								25	12	24.70	24.60	0.215	0.220	0.140	0.143	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	23330	793.0	1	25	24.50	24.00	0.269	0.302	0.188	0.211	
								25	12	23.50	23.00	0.207	0.232	0.145	0.163	
					Left Tilt	23330	793.0	1	25	24.50	24.00	0.206	0.231	0.125	0.140	
								25	12	23.50	23.00	0.130	0.146	0.081	0.091	
					Right Touch	23330	793.0	1	25	24.50	24.00	0.353	0.396	0.253	0.284	78
								25	12	23.50	23.00	0.279	0.313	0.199	0.223	
					Right Tilt	23330	793.0	1	25	24.50	24.00	0.275	0.309	0.146	0.164	
								25	12	23.50	23.00	0.217	0.243	0.115	0.129	
	Body & Hotspot	QPSK	Mode B	5	Rear	23330	793.0	1	25	24.50	24.00	0.274	0.307	0.166	0.186	79
								25	12	23.50	23.00	0.220	0.247	0.134	0.150	
					Front	23330	793.0	1	25	24.50	24.00	0.130	0.146	0.085	0.095	
								25	12	23.50	23.00	0.104	0.117	0.068	0.076	
	Hotspot	QPSK	Mode B	5	Edge 1	23330	793.0	1	25	24.50	24.00	0.138	0.155	0.058	0.065	
								25	12	23.50	23.00	0.110	0.123	0.045	0.050	
					Edge 2	23330	793.0	1	25	24.50	24.00	0.132	0.148	0.086	0.096	
								25	12	23.50	23.00	0.105	0.118	0.068	0.077	
					Edge 4	23330	793.0	1	25	24.50	24.00	0.225	0.252	0.146	0.164	
								25	12	23.50	23.00	0.181	0.203	0.118	0.132	

10.14. LTE Band 25 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	26365	1882.5	1	49	25.70	25.60	0.164	0.168	0.104	0.106	
								50	24	24.70	24.45	0.128	0.136	0.082	0.086	
					Left Tilt	26365	1882.5	1	49	25.70	25.60	0.102	0.104	0.061	0.062	
								50	24	24.70	24.45	0.078	0.083	0.047	0.050	
					Right Touch	26365	1882.5	1	49	25.70	25.60	0.276	0.282	0.169	0.173	80
								50	24	24.70	24.45	0.218	0.231	0.135	0.143	
					Right Tilt	26365	1882.5	1	49	25.70	25.60	0.125	0.128	0.074	0.076	
								50	24	24.70	24.45	0.097	0.103	0.058	0.062	
	Body & Hotspot	QPSK	Mode B	5	Rear	26140	1860.0	1	49	21.25	21.20	0.803	0.812	0.366	0.370	
								50	24	21.25	21.17	0.796	0.811	0.364	0.371	
						26365	1882.5	1	49	21.25	21.18	0.813	0.826	0.366	0.372	
								50	24	21.25	21.18	0.858	0.872	0.384	0.390	81
								100	0	21.25	21.06	0.812	0.848	0.365	0.381	
						26590	1905.0	1	49	21.25	21.18	0.829	0.842	0.375	0.381	
								50	24	21.25	21.15	0.832	0.851	0.374	0.383	
					Front	26365	1882.5	1	49	21.25	21.18	0.395	0.401	0.214	0.217	
								50	24	21.25	21.18	0.383	0.389	0.207	0.210	
	Hotspot	QPSK	Mode B	5	Edge 2	26365	1882.5	1	49	21.25	21.18	0.497	0.505	0.231	0.235	
								50	24	21.25	21.18	0.491	0.499	0.226	0.230	
					Edge 3	26365	1882.5	1	49	21.25	21.18	0.557	0.566	0.283	0.288	
								50	24	21.25	21.18	0.544	0.553	0.276	0.280	
					Edge 4	26365	1882.5	1	49	21.25	21.18	0.033	0.034	0.017	0.017	
								50	24	21.25	21.18	0.034	0.035	0.018	0.018	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	26365	1882.5	1	49	22.00	21.60	0.176	0.193	0.103	0.113	
								50	24	22.00	21.50	0.166	0.186	0.097	0.108	
					Left Tilt	26365	1882.5	1	49	22.00	21.60	0.183	0.201	0.095	0.104	
								50	24	22.00	21.50	0.170	0.191	0.088	0.098	
					Right Touch	26140	1860.0	1	49	22.00	21.60	0.854	0.936	0.437	0.479	
								50	24	22.00	21.50	0.813	0.912	0.416	0.467	
						26365	1882.5	1	49	22.00	21.60	0.897	0.984	0.458	0.502	82
								50	24	22.00	21.50	0.825	0.926	0.430	0.482	
								100	0	22.00	21.50	0.846	0.949	0.440	0.494	
						26590	1905.0	1	49	22.00	21.50	0.809	0.908	0.425	0.477	
								50	24	22.00	21.50	0.795	0.892	0.415	0.466	
					Right Tilt	26140	1860.0	1	49	22.00	21.60	0.839	0.920	0.393	0.431	
						26365	1882.5	1	49	22.00	21.60	0.834	0.914	0.391	0.429	
								50	24	22.00	21.50	0.703	0.789	0.330	0.370	
						26590	1905.0	1	49	22.00	21.50	0.784	0.880	0.370	0.415	
	Body & Hotspot	QPSK	Mode B	5	Rear	26140	1860.0	1	49	19.25	19.25	0.845	0.845	0.377	0.377	
								50	24	19.25	19.20	0.825	0.835	0.367	0.371	
						26365	1882.5	1	49	19.25	19.20	0.802	0.811	0.283	0.286	
								50	24	19.25	19.17	0.855	0.871	0.287	0.292	83
								100	0	19.25	19.16	0.844	0.862	0.373	0.381	
						26590	1905.0	1	49	19.25	19.20	0.715	0.723	0.340	0.344	
								50	24	19.25	19.19	0.802	0.813	0.360	0.365	
					Front	26365	1882.5	1	49	19.25	19.20	0.189	0.191	0.101	0.102	
								50	24	19.25	19.17	0.169	0.172	0.089	0.091	
	Hotspot	QPSK	Mode B	5	Edge 1	26365	1882.5	1	49	19.25	19.20	0.167	0.169	0.073	0.074	
								50	24	19.25	19.17	0.168	0.171	0.073	0.074	
					Edge 2	26365	1882.5	1	49	19.25	19.20	0.019	0.019	0.010	0.010	
								50	24	19.25	19.17	0.020	0.020	0.010	0.010	
					Edge 4	26365	1882.5	1	49	19.25	19.20	0.283	0.286	0.147	0.149	
								50	24	19.25	19.17	0.277	0.282	0.143	0.146	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	QPSK	Mode A	0	Left Touch	26365	1882.5	1	49	25.00	25.00	0.644	0.644	0.391	0.391	84
								50	24	24.00	23.50	0.514	0.577	0.314	0.352	
					Left Tilt	26365	1882.5	1	49	25.00	25.00	0.292	0.292	0.163	0.163	
								50	24	24.00	23.50	0.230	0.258	0.128	0.144	
					Right Touch	26365	1882.5	1	49	25.00	25.00	0.220	0.220	0.139	0.139	
								50	24	24.00	23.50	0.161	0.181	0.103	0.116	
					Right Tilt	26365	1882.5	1	49	25.00	25.00	0.301	0.301	0.165	0.165	
								50	24	24.00	23.50	0.242	0.272	0.131	0.147	
	Body & Hotspot	QPSK	Mode B	5	Rear	26140	1860.0	1	49	20.50	20.45	0.914	0.925	0.470	0.475	
								50	24	20.50	20.40	0.911	0.932	0.468	0.479	
						26365	1882.5	1	49	20.50	20.26	0.904	0.955	0.463	0.489	85
								50	24	20.50	20.25	0.897	0.950	0.457	0.484	
								100	0	20.50	20.19	0.888	0.954	0.452	0.485	
						26590	1905.0	1	49	20.50	20.30	0.854	0.894	0.436	0.457	
								50	24	20.50	20.06	0.852	0.943	0.435	0.481	
					Front	26365	1882.5	1	49	20.50	20.26	0.342	0.361	0.189	0.200	
								50	24	20.50	20.25	0.340	0.360	0.190	0.201	
	Hotspot	QPSK	Mode B	5	Edge 3	26365	1882.5	1	49	20.50	20.26	0.267	0.282	0.144	0.152	
								50	24	20.50	20.25	0.269	0.285	0.143	0.151	
					Edge 4	26365	1882.5	1	49	20.50	20.26	0.510	0.539	0.261	0.276	
								50	24	20.50	20.25	0.486	0.515	0.255	0.270	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	QPSK	Mode A	0	Left Touch	26140	1860.0	1	49	17.75	17.55	0.912	0.959	0.461	0.483	
								50	24	17.75	17.55	0.915	0.974	0.464	0.486	
						26365	1882.5	1	49	17.75	17.75	0.967	0.967	0.488	0.488	
								50	24	17.75	17.75	0.966	0.966	0.489	0.489	
								100	0	17.75	17.75	0.937	0.937	0.478	0.478	
						26590	1905.0	1	49	17.75	17.65	0.965	0.987	0.489	0.500	86
								50	24	17.75	17.75	0.974	0.974	0.491	0.491	
					Left Tilt	26365	1882.5	1	49	17.75	17.75	0.710	0.710	0.342	0.342	
								50	24	17.75	17.75	0.692	0.692	0.332	0.332	
					Right Touch	26365	1882.5	1	49	17.75	17.75	0.256	0.256	0.153	0.153	
								50	24	17.75	17.75	0.251	0.251	0.151	0.151	
					Right Tilt	26365	1882.5	1	49	17.75	17.75	0.233	0.233	0.126	0.126	
								50	24	17.75	17.75	0.227	0.227	0.122	0.122	
	Body & Hotspot	QPSK	Mode B	5	Rear	26365	1882.5	1	49	19.00	18.93	0.691	0.702	0.337	0.342	87
								50	24	19.00	18.90	0.637	0.652	0.309	0.316	
					Front	26365	1882.5	1	49	19.00	18.93	0.437	0.444	0.230	0.234	
								50	24	19.00	18.90	0.436	0.446	0.229	0.234	
	Hotspot	QPSK	Mode B	5	Edge 1	26365	1882.5	1	49	19.00	18.93	0.293	0.298	0.135	0.137	
								50	24	19.00	18.90	0.291	0.298	0.134	0.137	
					Edge 2	26140	1860.0	1	49	19.00	18.77	0.841	0.887	0.392	0.413	88
								50	24	19.00	18.79	0.828	0.869	0.384	0.403	
						26365	1882.5	1	49	19.00	18.93	0.863	0.877	0.403	0.410	
								50	24	19.00	18.90	0.863	0.883	0.403	0.412	
								100	0	19.00	18.85	0.823	0.852	0.386	0.400	
						26590	1905.0	1	49	19.00	18.90	0.853	0.873	0.400	0.409	
								50	24	19.00	18.97	0.865	0.871	0.403	0.406	

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	25.25	0.147	0.163	0.114	0.126	
								25	12	24.70	24.27	0.113	0.125	0.088	0.097	
					Left Tilt	26865	831.5	1	25	25.70	25.25	0.101	0.112	0.077	0.085	
								25	12	24.70	24.27	0.079	0.087	0.060	0.066	
					Right Touch	26865	831.5	1	25	25.70	25.25	0.180	0.200	0.140	0.155	89
								25	12	24.70	24.27	0.137	0.151	0.107	0.118	
					Right Tilt	26865	831.5	1	25	25.70	25.25	0.103	0.114	0.079	0.088	
								25	12	24.70	24.27	0.079	0.087	0.061	0.067	
	Body & Hotspot	QPSK	Mode B	5	Rear	26865	831.5	1	25	25.70	25.25	0.403	0.447	0.257	0.285	90
								25	12	24.70	24.27	0.331	0.365	0.210	0.232	
					Front	26865	831.5	1	25	25.70	25.25	0.234	0.260	0.151	0.167	
								25	12	24.70	24.27	0.185	0.204	0.120	0.132	
	Hotspot	QPSK	Mode B	5	Edge 2	26865	831.5	1	25	25.70	25.25	0.367	0.407	0.236	0.262	
								25	12	24.70	24.27	0.291	0.321	0.188	0.208	
					Edge 3	26865	831.5	1	25	25.70	25.25	0.250	0.277	0.123	0.136	
								25	12	24.70	24.27	0.178	0.197	0.089	0.098	
					Edge 4	26865	831.5	1	25	25.70	25.25	0.131	0.145	0.083	0.092	
								25	12	24.70	24.27	0.105	0.116	0.068	0.075	

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	26865	831.5	1	25	24.50	24.00	0.286	0.321	0.162	0.182	
								25	12	23.50	23.00	0.228	0.256	0.129	0.145	
					Left Tilt	26865	831.5	1	25	24.50	24.00	0.269	0.302	0.142	0.159	
								25	12	23.50	23.00	0.215	0.241	0.113	0.127	
					Right Touch	26865	831.5	1	25	24.50	24.00	0.420	0.471	0.240	0.269	91
								25	12	23.50	23.00	0.338	0.379	0.192	0.215	
					Right Tilt	26865	831.5	1	25	24.50	24.00	0.407	0.457	0.204	0.229	
								25	12	23.50	23.00	0.328	0.368	0.164	0.184	
	Body & Hotspot	QPSK	Mode B	5	Rear	26865	831.5	1	25	24.50	24.00	0.392	0.440	0.211	0.237	92
								25	12	23.50	23.00	0.309	0.347	0.165	0.185	
					Front	26865	831.5	1	25	24.50	24.00	0.262	0.294	0.141	0.158	
								25	12	23.50	23.00	0.209	0.235	0.112	0.126	
	Hotspot	QPSK	Mode B	5	Edge 1	26865	831.5	1	25	24.50	24.00	0.380	0.426	0.173	0.194	
								25	12	23.50	23.00	0.305	0.342	0.139	0.156	
					Edge 2	26865	831.5	1	25	24.50	24.00	0.059	0.066	0.038	0.043	
								25	12	23.50	23.00	0.047	0.053	0.030	0.034	
					Edge 4	26865	831.5	1	25	24.50	24.00	0.256	0.287	0.165	0.185	
								25	12	23.50	23.00	0.200	0.224	0.129	0.145	

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	25.70	0.166	0.166	0.090	0.090	
								25	12	24.70	24.65	0.136	0.138	0.074	0.075	
					Left Tilt	27710	2310.0	1	25	25.70	25.70	0.222	0.222	0.098	0.098	
								25	12	24.70	24.65	0.191	0.193	0.087	0.088	
					Right Touch	27710	2310.0	1	25	25.70	25.70	0.306	0.306	0.145	0.145	93
								25	12	24.70	24.65	0.230	0.233	0.110	0.111	
					Right Tilt	27710	2310.0	1	25	25.70	25.70	0.126	0.126	0.065	0.065	
								25	12	24.70	24.65	0.098	0.099	0.050	0.051	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	20.25	20.25	0.563	0.563	0.245	0.245	
								25	12	20.25	20.19	0.591	0.599	0.263	0.267	94
					Front	27710	2310.0	1	25	20.25	20.25	0.428	0.428	0.192	0.192	
								25	12	20.25	20.19	0.433	0.439	0.194	0.197	
	Hotspot	QPSK	Mode B	5	Edge 2	27710	2310.0	1	25	20.25	20.25	0.963	0.963	0.401	0.401	
								25	12	20.25	20.19	0.974	0.988	0.400	0.406	95
								50	0	20.25	20.20	0.970	0.981	0.400	0.405	
					Edge 3	27710	2310.0	1	25	20.25	20.25	0.147	0.147	0.069	0.069	
								25	12	20.25	20.19	0.126	0.128	0.056	0.057	
					Edge 4	27710	2310.0	1	25	20.25	20.25	0.039	0.039	0.018	0.018	
								25	12	20.25	20.19	0.039	0.040	0.019	0.019	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	27710	2310.0	1	25	21.25	21.20	0.749	0.758	0.325	0.329	
								25	12	21.25	21.00	0.634	0.672	0.275	0.291	
					Left Tilt	27710	2310.0	1	25	21.25	21.20	0.799	0.808	0.341	0.345	
								25	12	21.25	21.00	0.826	0.875	0.351	0.372	
								50	0	21.25	21.00	0.807	0.855	0.344	0.364	
					Right Touch	27710	2310.0	1	25	21.25	21.20	0.969	0.980	0.408	0.413	
								25	12	21.25	21.00	0.870	0.922	0.370	0.392	
								50	0	21.25	21.00	0.874	0.926	0.370	0.392	
					Right Tilt	27710	2310.0	1	25	21.25	21.20	0.977	0.988	0.390	0.395	96
								25	12	21.25	21.00	0.859	0.910	0.340	0.360	
								50	0	21.25	21.00	0.840	0.890	0.333	0.353	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	20.00	19.80	0.806	0.844	0.404	0.423	
								25	12	20.00	19.70	0.822	0.881	0.401	0.430	97
								50	0	20.00	19.52	0.786	0.878	0.476	0.532	
					Front	27710	2310.0	1	25	20.00	19.80	0.267	0.280	0.116	0.121	
								25	12	20.00	19.70	0.279	0.299	0.123	0.132	
	Hotspot	QPSK	Mode B	5	Edge 1	27710	2310.0	1	25	20.00	19.80	0.633	0.663	0.251	0.263	
								25	12	20.00	19.70	0.701	0.751	0.273	0.293	
					Edge 2	27710	2310.0	1	25	20.00	19.80	0.033	0.035	0.019	0.020	
								25	12	20.00	19.70	0.030	0.032	0.015	0.017	
					Edge 4	27710	2310.0	1	25	20.00	19.80	0.465	0.487	0.221	0.231	
								25	12	20.00	19.70	0.498	0.534	0.229	0.245	

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	24.50	24.32	0.267	0.278	0.157	0.164	98
								25	12	23.50	23.35	0.251	0.260	0.146	0.151	
					Left Tilt	27710	2310.0	1	25	24.50	24.32	0.106	0.110	0.052	0.054	
								25	12	23.50	23.35	0.081	0.083	0.040	0.042	
					Right Touch	27710	2310.0	1	25	24.50	24.32	0.119	0.124	0.070	0.073	
								25	12	23.50	23.35	0.091	0.094	0.054	0.056	
					Right Tilt	27710	2310.0	1	25	24.50	24.32	0.128	0.133	0.063	0.066	
								25	12	23.50	23.35	0.097	0.100	0.048	0.050	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	22.50	22.25	0.839	0.889	0.412	0.436	
								25	12	22.50	22.35	0.895	0.926	0.447	0.463	99
								50	0	22.50	22.26	0.850	0.898	0.383	0.405	
					Front	27710	2310.0	1	25	22.50	22.25	0.476	0.504	0.238	0.252	
								25	12	22.50	22.35	0.303	0.314	0.165	0.171	
	Hotspot	QPSK	Mode B	5	Edge 3	27710	2310.0	1	25	22.50	22.25	0.102	0.108	0.054	0.057	
								25	12	22.50	22.35	0.106	0.110	0.056	0.058	
					Edge 4	27710	2310.0	1	25	22.50	22.25	0.866	0.917	0.380	0.403	
								25	12	22.50	22.35	0.769	0.796	0.365	0.378	

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	17.75	17.70	0.896	0.906	0.429	0.434	
								25	12	17.75	17.63	0.884	0.909	0.424	0.436	
								50	0	17.75	17.65	0.904	0.925	0.433	0.443	100
					Left Tilt	27710	2310.0	1	25	17.75	17.70	0.569	0.576	0.288	0.291	
								25	12	17.75	17.63	0.587	0.603	0.296	0.304	
					Right Touch	27710	2310.0	1	25	17.75	17.70	0.308	0.312	0.170	0.172	
								25	12	17.75	17.63	0.308	0.317	0.169	0.174	
					Right Tilt	27710	2310.0	1	25	17.75	17.70	0.255	0.258	0.128	0.129	
								25	12	17.75	17.63	0.253	0.260	0.128	0.132	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	19.00	18.70	0.794	0.851	0.383	0.410	101
								25	12	19.00	18.75	0.795	0.842	0.383	0.406	
								50	0	19.00	18.68	0.785	0.845	0.377	0.406	
					Front	27710	2310.0	1	25	19.00	18.70	0.666	0.714	0.343	0.368	
								25	12	19.00	18.75	0.662	0.701	0.344	0.364	
	Hotspot	QPSK	Mode B	5	Edge 1	27710	2310.0	1	25	19.00	18.70	0.209	0.224	0.098	0.105	
								25	12	19.00	18.75	0.209	0.221	0.099	0.105	
					Edge 2	27710	2310.0	1	25	19.00	18.70	0.612	0.656	0.295	0.316	
								25	12	19.00	18.75	0.602	0.638	0.296	0.314	

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	0.079	0.083	0.044	0.046	
								50	24	24.70	24.50	0.080	0.084	0.044	0.046	
					Left Tilt	40620	2593.0	1	49	25.70	25.50	0.078	0.082	0.038	0.039	
								50	24	24.70	24.50	0.076	0.080	0.037	0.039	
					Right Touch	40620	2593.0	1	49	25.70	25.50	0.105	0.110	0.056	0.059	102
								50	24	24.70	24.50	0.101	0.106	0.054	0.057	
					Right Tilt	40620	2593.0	1	49	25.70	25.50	0.058	0.061	0.029	0.030	
								50	24	24.70	24.50	0.053	0.055	0.027	0.028	
	Body & Hotspot	QPSK	Mode B	5	Rear	40620	2593.0	1	49	23.25	23.20	0.629	0.636	0.293	0.296	
								50	24	23.25	23.20	0.643	0.650	0.304	0.308	103
					Front	40620	2593.0	1	49	23.25	23.20	0.493	0.499	0.198	0.200	
								50	24	23.25	23.20	0.448	0.453	0.184	0.186	
	Hotspot	QPSK	Mode B	5	Edge 2	39750	2506.0	1	49	23.25	23.20	0.885	0.895	0.363	0.367	
								50	24	23.25	23.20	0.923	0.934	0.373	0.377	
						40185	2549.5	1	49	23.25	23.15	0.934	0.956	0.379	0.388	
								50	24	23.25	23.12	0.846	0.872	0.320	0.330	
						40620	2593.0	1	49	23.25	23.20	0.980	0.991	0.389	0.394	104
								50	24	23.25	23.20	0.936	0.947	0.375	0.379	
								100	0	23.25	23.01	0.934	0.987	0.373	0.394	
						41055	2636.5	1	49	23.25	23.15	0.876	0.896	0.337	0.345	
								50	24	23.25	23.16	0.856	0.874	0.355	0.362	
						41490	2680.0	1	49	23.25	23.22	0.838	0.844	0.347	0.349	
								50	24	23.25	23.08	0.882	0.917	0.359	0.373	
					Edge 3	40620	2593.0	1	49	23.25	23.20	0.641	0.648	0.243	0.246	
								50	24	23.25	23.20	0.609	0.616	0.233	0.236	
					Edge 4	40620	2593.0	1	49	23.25	23.20	0.132	0.134	0.063	0.064	
								50	24	23.25	23.20	0.130	0.132	0.062	0.063	

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	40620	2593.0	1	49	21.50	21.45	0.788	0.797	0.336	0.340	
								50	24	21.50	21.45	0.752	0.761	0.318	0.322	
					Left Tilt	39750	2506.0	1	49	21.50	21.20	0.848	0.909	0.356	0.381	
								50	24	21.50	21.22	0.812	0.866	0.338	0.361	
						40185	2549.5	1	49	21.50	21.23	0.905	0.963	0.370	0.394	
								50	24	21.50	21.20	0.855	0.916	0.348	0.373	
						40620	2593.0	1	49	21.50	21.45	0.966	0.977	0.398	0.403	
								50	24	21.50	21.45	0.928	0.939	0.378	0.382	
								100	0	21.50	21.30	0.930	0.974	0.380	0.398	
						41055	2636.5	1	49	21.50	21.42	0.967	0.985	0.384	0.391	
								50	24	21.50	21.23	0.913	0.972	0.363	0.386	
						41490	2680.0	1	49	21.50	21.48	0.989	0.994	0.393	0.395	105
								50	24	21.50	21.35	0.924	0.956	0.369	0.382	
					Right Touch	40620	2593.0	1	49	21.50	21.45	0.738	0.747	0.285	0.288	
								50	24	21.50	21.45	0.704	0.712	0.270	0.273	
					Right Tilt	40620	2593.0	1	49	21.50	21.45	0.784	0.793	0.286	0.289	
								50	24	21.50	21.45	0.732	0.740	0.267	0.270	
	Body & Hotspot	QPSK	Mode B	5	Rear	39750	2506.0	1	49	23.25	23.20	0.846	0.856	0.385	0.389	
								50	24	22.25	22.20	0.670	0.678	0.316	0.320	
						40185	2549.5	1	49	23.25	23.15	0.854	0.874	0.395	0.404	
								50	24	22.25	22.00	0.807	0.855	0.360	0.381	
						40620	2593.0	1	49	23.25	23.25	0.897	0.897	0.395	0.395	106
								50	24	22.25	21.95	0.768	0.823	0.350	0.375	
								100	0	22.25	21.75	0.682	0.765	0.233	0.261	
						41055	2636.5	1	49	23.25	22.90	0.721	0.782	0.343	0.372	
								50	24	22.25	21.65	0.571	0.656	0.273	0.313	
						41490	2680.0	1	49	23.25	23.10	0.609	0.630	0.293	0.303	
								50	24	22.25	21.80	0.491	0.545	0.239	0.265	
					Front	40620	2593.0	1	49	23.25	23.25	0.617	0.617	0.252	0.252	
								50	24	22.25	21.95	0.493	0.528	0.200	0.214	
	Hotspot	QPSK	Mode B	5	Edge 1	40620	2593.0	1	49	23.25	23.25	0.716	0.716	0.290	0.290	
								50	24	22.25	21.95	0.638	0.684	0.252	0.270	
					Edge 2	40620	2593.0	1	49	23.25	23.25	0.115	0.115	0.053	0.053	
								50	24	22.25	21.95	0.092	0.099	0.042	0.045	
					Edge 4	40620	2593.0	1	49	23.25	23.25	0.484	0.484	0.237	0.237	
								50	24	22.25	21.95	0.479	0.513	0.218	0.234	

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	40620	2593.0	1	49	25.50	25.48	0.375	0.377	0.206	0.207	107
								50	24	24.50	24.50	0.374	0.374	0.205	0.205	
					Left Tilt	40620	2593.0	1	49	25.50	25.48	0.131	0.132	0.068	0.069	
								50	24	24.50	24.30	0.128	0.134	0.067	0.070	
					Right Touch	40620	2593.0	1	49	25.50	25.48	0.226	0.227	0.125	0.126	
								50	24	24.50	24.30	0.220	0.230	0.122	0.128	
					Right Tilt	40620	2593.0	1	49	25.50	25.48	0.240	0.241	0.119	0.120	
								50	24	24.50	24.30	0.237	0.248	0.119	0.125	
	Body & Hotspot	QPSK	Mode B	5	Rear	39750	2506.0	1	49	22.25	22.21	0.955	0.964	0.487	0.492	
								50	24	22.25	22.15	0.856	0.876	0.437	0.447	
						40185	2549.5	1	49	22.25	22.22	0.966	0.973	0.480	0.483	
								50	24	22.25	22.24	0.977	0.979	0.486	0.487	108
						40620	2593.0	1	49	22.25	22.10	0.780	0.807	0.390	0.404	
								50	24	22.25	22.19	0.850	0.862	0.417	0.423	
								100	0	22.25	22.18	0.851	0.865	0.417	0.424	
						41055	2636.5	1	49	22.25	22.03	0.717	0.754	0.329	0.346	
								50	24	22.25	22.10	0.728	0.754	0.335	0.347	
						41490	2680.0	1	49	22.25	22.04	0.457	0.480	0.215	0.226	
								50	24	22.25	22.14	0.481	0.493	0.217	0.223	
					Front	40620	2593.0	1	49	22.25	22.10	0.528	0.547	0.237	0.245	
								50	24	22.25	22.19	0.529	0.536	0.237	0.240	
	Hotspot	QPSK	Mode B	5	Edge 3	40620	2593.0	1	49	22.25	22.10	0.156	0.161	0.071	0.073	
								50	24	22.25	22.19	0.157	0.159	0.072	0.073	
					Edge 4	40620	2593.0	1	49	22.25	22.10	0.553	0.572	0.248	0.257	
								50	24	22.25	22.19	0.544	0.552	0.245	0.248	

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	18.75	18.55	0.829	0.868	0.406	0.425	
								50	24	18.75	18.52	0.831	0.876	0.407	0.429	
						40185	2549.5	1	49	18.75	18.25	0.771	0.865	0.375	0.421	
								50	24	18.75	18.25	0.772	0.866	0.362	0.406	
						40620	2593.0	1	49	18.75	18.54	0.832	0.873	0.394	0.414	
								50	24	18.75	18.55	0.838	0.877	0.396	0.415	
								100	0	18.75	18.54	0.841	0.883	0.397	0.417	
						41055	2636.5	1	49	18.75	18.52	0.867	0.914	0.401	0.423	
								50	24	18.75	18.54	0.870	0.913	0.408	0.428	
						41490	2680.0	1	49	18.75	18.60	0.947	0.980	0.426	0.441	
								50	24	18.75	18.65	0.964	0.986	0.434	0.444	109
					Left Tilt	40620	2593.0	1	49	18.75	18.54	0.525	0.551	0.249	0.261	
								50	24	18.75	18.55	0.532	0.557	0.253	0.265	
					Right Touch	40620	2593.0	1	49	18.75	18.54	0.226	0.237	0.098	0.103	
								50	24	18.75	18.55	0.214	0.224	0.091	0.095	
					Right Tilt	40620	2593.0	1	49	18.75	18.54	0.216	0.227	0.122	0.128	
								50	24	18.75	18.55	0.190	0.199	0.101	0.106	
	Body & Hotspot	QPSK	Mode B	5	Rear	39750	2506.0	1	49	19.75	19.50	0.760	0.805	0.383	0.406	
						40185	2549.5	1	49	19.75	19.40	0.632	0.685	0.287	0.311	
						40620	2593.0	1	49	19.75	19.60	0.807	0.835	0.386	0.400	110
								50	24	19.75	19.75	0.741	0.741	0.334	0.334	
						41055	2636.5	1	49	19.75	19.60	0.711	0.736	0.343	0.355	
						41490	2680.0	1	49	19.75	19.75	0.783	0.783	0.344	0.344	
					Front	40620	2593.0	1	49	19.75	19.60	0.536	0.555	0.264	0.273	
								50	24	19.75	19.75	0.428	0.428	0.210	0.210	
	Hotspot	QPSK	Mode B	5	Edge 1	40620	2593.0	1	49	19.75	19.60	0.278	0.288	0.112	0.116	
								50	24	19.75	19.75	0.213	0.213	0.086	0.086	
					Edge 2	39750	2506.0	1	49	19.75	19.50	0.706	0.748	0.328	0.347	
								50	24	19.75	19.40	0.725	0.786	0.346	0.375	
						40185	2549.5	1	49	19.75	19.40	0.734	0.796	0.358	0.388	
								50	24	19.75	19.30	0.744	0.825	0.348	0.386	
						40620	2593.0	1	49	19.75	19.60	0.822	0.851	0.388	0.402	
								50	24	19.75	19.75	0.871	0.871	0.405	0.405	
								100	0	19.75	19.75	0.875	0.875	0.404	0.404	
						41055	2636.5	1	49	19.75	19.60	0.841	0.871	0.379	0.392	
								50	24	19.75	19.60	0.856	0.886	0.385	0.399	
						41490	2680.0	1	49	19.75	19.75	0.881	0.881	0.403	0.403	
								50	24	19.75	19.75	0.891	0.891	0.395	0.395	111

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.

LTE Band 41 Power Class 2 SAR Measured Results

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	28.70	28.30	0.133	0.146	0.084	0.092	
ANT3	Head	QPSK	Mode A	0	Left Touch	40620	2593.0	1	49	28.00	27.10	0.174	0.214	0.114	0.140	

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)	Reported 1-g SAR (W/kg)	Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Reported 1-g SAR (W/kg)		
ANT1	Head	43.3%	28.70	320.99	0.146	63.3%	25.70	235.18	0.110	0.150	-2.87%
ANT3	Head	43.3%	28.00	273.20	0.214	63.3%	25.50	224.60	0.377	0.459	-53.32%

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%.

UL CA 41C Power Class 3

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offest	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	40620	2593.0	1	99	40818	2612.8	1	0	25.00	24.87	0.092	0.095	0.085	0.088	
ANT 1	Body	QPSK	Mode B	5	Rear	40620	2593.0	1	99	40818	2612.8	1	0	23.25	23.22	0.450	0.453	0.232	0.233	
ANT 1	Hotspot	QPSK	Mode B	5	Edge 2	40620	2593.0	1	99	40818	2612.8	1	0	23.25	23.21	0.942	0.952	0.358	0.362	
ANT 2	Head	QPSK	Mode A	0	Left Tilt	41490	2680.0	1	0	41292	2660.2	1	99	21.50	21.49	0.989	0.990	0.379	0.380	
ANT 2	Body	QPSK	Mode B	5	Rear	40620	2593.0	1	99	40818	2612.8	1	0	21.50	21.30	0.526	0.551	0.244	0.255	
ANT 3	Head	QPSK	Mode A	5	Left Touch	40620	2593.0	1	99	40818	2612.8	1	0	24.50	24.46	0.205	0.207	0.147	0.148	
ANT 3	Body	QPSK	Mode B	5	Rear	40185	2549.5	1	99	40383	2569.3	1	0	22.25	22.22	0.806	0.812	0.392	0.395	
ANT 4	Head	QPSK	Mode A	0	Left Touch	41490	2680.0	1	0	41292	2660.2	1	99	18.75	18.73	0.673	0.676	0.343	0.345	
ANT 4	Body	QPSK	Mode B	0	Rear	40620	2593.0	1	99	40818	2612.8	0	0	19.75	19.72	0.633	0.637	0.299	0.301	
ANT 4	Hotspot	QPSK	Mode B	0	Edge 2	41490	2680.0	1	0	41292	2660.2	1	99	19.75	19.73	0.757	0.760	0.348	0.350	

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.

UL CA 41C Power Class 2

According to Section 9.5, SAR evaluation for PC2 is only required when its Maximum output power (Tune-up Limit) is higher from PC3.

LTE Band CA 41C Power Class 2 SAR Measured Results

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offest	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	40620	2593	1	99	40818	2612.8	1	0	27.00	26.50	0.070	0.079	0.035	0.039	
ANT 2	Body	QPSK	Mode B	5	Rear	40620	2593	1	99	40818	2612.8	1	0	23.25	23.00	0.521	0.552	0.211	0.224	
ANT 3	Head	QPSK	Mode A	0	Left Touch	40620	2593	1	99	40818	2612.8	1	0	26.50	26.50	0.201	0.201	0.110	0.110	

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)	Reported 1-g SAR (W/kg)	Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Reported 1-g SAR (W/kg)		
ANT1	Head	43.3%	27.00	217.01	0.079	63.3%	25.00	200.17	0.095	0.103	-23.30%
ANT2	Body	43.3%	23.25	91.51	0.552	63.3%	21.50	89.41	0.551	0.564	-2.12%
ANT3	Head	43.3%	26.50	193.41	0.201	63.3%	24.50	178.40	0.207	0.224	-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%.

10.18. 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	
ANT1	Head	QPSK	Mode A	0	Left Touch	56207	3646.7	1	49	25.70	25.45	0.039	0.041	0.016	0.017	
								50	24	24.70	24.51	0.030	0.032	0.012	0.013	
					Left Tilt	56207	3646.7	1	49	25.70	25.45	0.012	0.012	0.003	0.004	
								50	24	24.70	24.51	0.006	0.007	0.002	0.002	
					Right Touch	56207	3646.7	1	49	25.70	25.45	0.048	0.051	0.014	0.015	112
								50	24	24.70	24.51	0.039	0.041	0.012	0.013	
					Right Tilt	56207	3646.7	1	49	25.70	25.45	0.007	0.007	0.002	0.002	
								50	24	24.70	24.51	0.003	0.003	0.006	0.006	
	Body & Hotspot	QPSK	Mode B	5	Rear	56207	3646.7	1	49	25.70	25.45	0.419	0.444	0.145	0.154	113
								50	24	24.70	24.51	0.335	0.350	0.110	0.115	
					Front	56207	3646.7	1	49	25.70	25.45	0.131	0.139	0.044	0.047	
								50	24	24.70	24.51	0.105	0.110	0.034	0.036	
	Hotspot	QPSK	Mode B	5	Edge 2	56207	3646.7	1	49	25.70	25.45	0.336	0.356	0.119	0.126	
								50	24	24.70	24.51	0.286	0.299	0.100	0.104	
					Edge 3	56207	3646.7	1	49	25.70	25.45	0.334	0.354	0.119	0.126	
								50	24	24.70	24.51	0.270	0.282	0.095	0.099	
					Edge 4	56207	3646.7	1	49	25.70	25.45	0.106	0.112	0.031	0.033	
								50	24	24.70	24.51	0.086	0.090	0.024	0.025	
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	
ANT6	Head	QPSK	Mode A	0	Left Touch	56207	3646.7	1	49	22.50	22.40	0.239	0.245	0.076	0.078	
								50	24	21.50	21.40	0.196	0.201	0.060	0.062	
					Left Tilt	56207	3646.7	1	49	22.50	22.40	0.343	0.351	0.098	0.100	114
								50	24	21.50	21.40	0.280	0.287	0.077	0.079	
					Right Touch	56207	3646.7	1	49	22.50	22.40	0.342	0.350	0.111	0.114	
								50	24	21.50	21.40	0.218	0.223	0.071	0.073	
					Right Tilt	56207	3646.7	1	49	22.50	22.40	0.288	0.295	0.091	0.093	
								50	24	21.50	21.40	0.227	0.232	0.070	0.072	
	Body & Hotspot	QPSK	Mode B	5	Rear	56207	3646.7	1	49	22.50	22.40	0.391	0.400	0.139	0.142	115
								50	24	21.50	21.40	0.253	0.259	0.091	0.093	
					Front	56207	3646.7	1	49	22.50	22.40	0.146	0.149	0.045	0.046	
								50	24	21.50	21.40	0.116	0.119	0.035	0.036	
	Hotspot	QPSK	Mode B	5	Edge 1	56207	3646.7	1	49	22.50	22.40	0.215	0.220	0.053	0.054	
								50	24	21.50	21.40	0.165	0.169	0.045	0.046	
					Edge 4	56207	3646.7	1	49	22.50	22.40	0.408	0.418	0.141	0.144	116
								50	24	21.50	21.40	0.338	0.346	0.116	0.119	

Notes:

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.

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	56207	3646.7	1	49	25.50	25.35	0.061	0.063	0.021	0.022	117
								50	24	24.50	24.25	0.042	0.044	0.014	0.015	
					Left Tilt	56207	3646.7	1	49	25.50	25.35	0.026	0.026	0.008	0.009	
								50	24	24.50	24.25	0.016	0.017	0.005	0.005	
					Right Touch	56207	3646.7	1	49	25.50	25.35	0.028	0.029	0.009	0.009	
								50	24	24.50	24.25	0.016	0.017	0.005	0.005	
					Right Tilt	56207	3646.7	1	49	25.50	25.35	0.011	0.012	0.003	0.003	
								50	24	24.50	24.25	0.007	0.007	0.002	0.002	
	Body & Hotspot	QPSK	Mode B	5	Rear	56207	3646.7	1	49	25.50	25.35	0.702	0.727	0.239	0.247	118
								50	24	24.50	24.25	0.565	0.598	0.191	0.202	
					Front	56207	3646.7	1	49	25.50	25.35	0.317	0.328	0.120	0.124	
								50	24	24.50	24.25	0.264	0.280	0.099	0.105	
	Hotspot	QPSK	Mode B	5	Edge 3	56207	3646.7	1	49	25.50	25.35	0.327	0.338	0.094	0.098	
								50	24	24.50	24.25	0.272	0.288	0.076	0.080	
					Edge 4	56207	3646.7	1	49	25.50	25.35	0.170	0.176	0.057	0.058	
								50	24	24.50	24.25	0.137	0.145	0.045	0.047	

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	22.50	22.30	0.666	0.697	0.263	0.275	119
								50	24	21.50	21.20	0.540	0.579	0.213	0.228	
					Left Tilt	56207	3646.7	1	49	22.50	22.30	0.508	0.532	0.187	0.196	
								50	24	21.50	21.20	0.409	0.438	0.149	0.160	
					Right Touch	56207	3646.7	1	49	22.50	22.30	0.128	0.134	0.052	0.054	
								50	24	21.50	21.20	0.105	0.113	0.041	0.044	
					Right Tilt	56207	3646.7	1	49	22.50	22.30	0.160	0.168	0.063	0.066	
								50	24	21.50	21.20	0.128	0.137	0.049	0.053	
	Body & Hotspot	QPSK	Mode B	5	Rear	56207	3646.7	1	49	22.50	22.30	0.559	0.585	0.233	0.244	120
								50	24	21.50	21.20	0.439	0.470	0.178	0.191	
					Front	56207	3646.7	1	49	22.50	22.30	0.257	0.269	0.101	0.106	
								50	24	21.50	21.20	0.229	0.245	0.091	0.098	
	Hotspot	QPSK	Mode B	5	Edge 1	56207	3646.7	1	49	22.50	22.30	0.094	0.098	0.036	0.038	
								50	24	21.50	21.20	0.071	0.076	0.028	0.030	
					Edge 2	55340	3560.0	1	49	22.50	22.19	0.810	0.870	0.280	0.301	
						55773	3603.3	1	49	22.50	22.02	0.820	0.916	0.273	0.305	
						56207	3646.7	1	49	22.50	22.30	0.916	0.959	0.303	0.317	
								50	24	21.50	21.20	0.649	0.695	0.222	0.238	
						56640	3690.0	1	49	22.50	22.30	0.953	0.998	0.333	0.349	121

Notes:

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.

10.19. 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	25.50	0.137	0.143	0.088	0.092	
								50	24	24.70	24.53	0.111	0.115	0.071	0.074	
					Left Tilt	132322	1745.0	1	49	25.70	25.50	0.098	0.103	0.062	0.065	
								50	24	24.70	24.53	0.077	0.080	0.049	0.051	
					Right Touch	132322	1745.0	1	49	25.70	25.50	0.155	0.162	0.107	0.112	122
								50	24	24.70	24.53	0.123	0.128	0.085	0.088	
					Right Tilt	132322	1745.0	1	49	25.70	25.50	0.118	0.124	0.071	0.074	
								50	24	24.70	24.53	0.092	0.095	0.057	0.060	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	17.50	17.26	0.332	0.351	0.175	0.185	123
								50	24	17.50	17.30	0.329	0.345	0.173	0.181	
					Front	132322	1745.0	1	49	17.50	17.26	0.310	0.328	0.156	0.165	
								50	24	17.50	17.30	0.297	0.311	0.150	0.157	
	Hotspot	QPSK	Mode B	5	Edge 2	132322	1745.0	1	49	17.50	17.26	0.084	0.089	0.047	0.050	
								50	24	17.50	17.30	0.108	0.113	0.054	0.057	
					Edge 3	132072	1720.0	1	49	17.50	17.45	0.867	0.877	0.414	0.419	
								50	24	17.50	17.40	0.911	0.932	0.429	0.439	
						132322	1745.0	1	49	17.50	17.26	0.941	0.994	0.447	0.472	124
								50	24	17.50	17.30	0.939	0.983	0.445	0.466	
								100	0	17.50	17.35	0.938	0.971	0.444	0.460	
						132572	1770.0	1	49	17.50	17.35	0.931	0.964	0.444	0.460	
								50	24	17.50	17.45	0.947	0.958	0.448	0.453	
					Edge 4	132322	1745.0	1	49	17.50	17.26	0.023	0.024	0.009	0.010	
								50	24	17.50	17.30	0.033	0.034	0.006	0.006	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	132322	1745.0	1	49	22.00	21.95	0.235	0.238	0.141	0.143	
								50	24	22.00	21.82	0.210	0.219	0.128	0.133	
					Left Tilt	132322	1745.0	1	49	22.00	21.95	0.234	0.237	0.124	0.125	
								50	24	22.00	21.82	0.208	0.217	0.109	0.114	
					Right Touch	132072	1720.0	1	49	22.00	21.80	0.925	0.969	0.484	0.507	
								50	24	22.00	21.70	0.826	0.885	0.430	0.461	
						132322	1745.0	1	49	22.00	21.95	0.908	0.919	0.479	0.485	
								50	24	22.00	21.82	0.819	0.854	0.431	0.449	
								100	0	22.00	21.72	0.821	0.876	0.432	0.461	
						132572	1770.0	1	49	22.00	21.85	0.956	0.990	0.502	0.520	125
								50	24	22.00	21.75	0.853	0.904	0.446	0.472	
					Right Tilt	132072	1720.0	1	49	22.00	21.80	0.802	0.840	0.378	0.396	
								50	24	22.00	21.70	0.710	0.761	0.337	0.361	
						132322	1745.0	1	49	22.00	21.95	0.877	0.887	0.414	0.419	
								50	24	22.00	21.82	0.786	0.819	0.371	0.387	
								100	0	22.00	21.72	0.752	0.802	0.356	0.380	
						132572	1770.0	1	49	22.00	21.85	0.776	0.803	0.368	0.381	
								50	24	22.00	21.75	0.688	0.729	0.326	0.345	
	Body & Hotspot	QPSK	Mode B	5	Rear	132072	1720.0	1	49	19.50	19.35	0.787	0.815	0.367	0.380	
								50	24	19.50	19.45	0.785	0.794	0.369	0.373	
						132322	1745.0	1	49	19.50	19.45	0.830	0.840	0.381	0.385	
								50	24	19.50	19.49	0.801	0.803	0.377	0.378	
								100	0	19.50	19.49	0.762	0.764	0.358	0.359	
						132572	1770.0	1	49	19.50	19.25	0.819	0.868	0.371	0.393	126
								50	24	19.50	19.45	0.843	0.853	0.387	0.391	
					Front	132322	1745.0	1	49	19.50	19.45	0.341	0.345	0.177	0.179	
								50	24	19.50	19.49	0.340	0.341	0.174	0.174	
	Hotspot	QPSK	Mode B	5	Edge 1	132322	1745.0	1	49	19.50	19.45	0.262	0.265	0.118	0.119	
								50	24	19.50	19.49	0.237	0.238	0.109	0.109	
					Edge 2	132322	1745.0	1	49	19.50	19.45	0.007	0.007	0.003	0.003	
								50	24	19.50	19.49	0.007	0.007	0.003	0.003	
					Edge 4	132322	1745.0	1	49	19.50	19.45	0.190	0.192	0.102	0.103	
								50	24	19.50	19.49	0.198	0.198	0.105	0.105	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	QPSK	Mode A	0	Left Touch	132322	1745.0	1	49	25.00	24.95	0.362	0.366	0.226	0.229	127
								50	24	24.00	23.50	0.284	0.319	0.177	0.199	
					Left Tilt	132322	1745.0	1	49	25.00	24.95	0.317	0.321	0.198	0.200	
								50	24	24.00	23.50	0.252	0.283	0.157	0.176	
					Right Touch	132322	1745.0	1	49	25.00	24.95	0.312	0.316	0.202	0.204	
								50	24	24.00	23.50	0.213	0.239	0.119	0.134	
					Right Tilt	132322	1745.0	1	49	25.00	24.95	0.202	0.204	0.120	0.121	
								50	24	24.00	23.50	0.187	0.210	0.109	0.122	
	Body & Hotspot	QPSK	Mode B	5	Rear	132072	1720.0	1	49	21.00	20.80	0.940	0.984	0.509	0.533	
								50	24	21.00	20.85	0.958	0.992	0.516	0.534	
						132322	1745.0	1	49	21.00	20.90	0.950	0.972	0.524	0.536	
								50	24	21.00	20.88	0.959	0.986	0.527	0.542	
								100	0	21.00	20.61	0.907	0.992	0.499	0.546	128
						132572	1770.0	1	49	21.00	20.75	0.907	0.961	0.507	0.537	
								50	24	21.00	20.80	0.904	0.947	0.504	0.528	
					Front	132322	1745.0	1	49	21.00	20.90	0.251	0.257	0.152	0.156	
								50	24	21.00	20.88	0.252	0.259	0.153	0.157	
	Hotspot	QPSK	Mode B	5	Edge 3	132322	1745.0	1	49	21.00	20.90	0.169	0.173	0.073	0.075	
								50	24	21.00	20.88	0.139	0.143	0.066	0.067	
					Edge 4	132322	1745.0	1	49	21.00	20.90	0.570	0.583	0.298	0.305	
								50	24	21.00	20.88	0.574	0.590	0.300	0.308	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	QPSK	Mode A	0	Left Touch	132072	1720.0	1	49	21.25	20.85	0.733	0.804	0.394	0.432	
								50	24	21.25	20.75	0.611	0.686	0.304	0.341	
						132322	1745.0	1	49	21.25	20.90	0.749	0.812	0.456	0.494	
								50	24	21.25	20.75	0.679	0.762	0.340	0.381	
								100	0	21.25	20.41	0.661	0.802	0.332	0.403	
						132572	1770.0	1	49	21.25	21.00	0.932	0.987	0.481	0.510	129
								50	24	21.25	20.75	0.831	0.932	0.423	0.475	
					Left Tilt	132322	1745.0	1	49	21.25	20.90	0.643	0.697	0.311	0.337	
								50	24	21.25	20.75	0.511	0.573	0.245	0.275	
					Right Touch	132322	1745.0	1	49	21.25	20.90	0.281	0.305	0.152	0.165	
								50	24	21.25	20.75	0.205	0.230	0.111	0.125	
					Right Tilt	132322	1745.0	1	49	21.25	20.90	0.191	0.207	0.103	0.112	
								50	24	21.25	20.75	0.152	0.171	0.082	0.092	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	21.50	21.40	0.548	0.561	0.276	0.282	130
								50	24	21.50	21.00	0.453	0.508	0.228	0.256	
					Front	132322	1745.0	1	49	21.50	21.40	0.348	0.356	0.177	0.181	
								50	24	21.50	21.00	0.299	0.335	0.151	0.169	
	Hotspot	QPSK	Mode B	5	Edge 1	132322	1745.0	1	49	21.50	21.40	0.267	0.273	0.130	0.133	
								50	24	21.50	21.00	0.212	0.238	0.103	0.116	
					Edge 2	132072	1720.0	1	49	21.50	21.35	0.677	0.701	0.318	0.329	
						132322	1745.0	1	49	21.50	21.40	0.796	0.815	0.373	0.382	
								50	24	21.50	21.00	0.631	0.708	0.296	0.332	
						132572	1770.0	1	49	21.50	21.50	0.890	0.890	0.416	0.416	131

10.20. 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	25.50	0.150	0.157	0.117	0.123	132
								50	24	24.70	24.60	0.115	0.118	0.091	0.093	
					Left Tilt	133297	680.5	1	49	25.70	25.50	0.080	0.084	0.064	0.067	
								50	24	24.70	24.60	0.052	0.053	0.042	0.043	
					Right Touch	133297	680.5	1	49	25.70	25.50	0.131	0.137	0.103	0.108	
								50	24	24.70	24.60	0.112	0.115	0.087	0.089	
					Right Tilt	133297	680.5	1	49	25.70	25.50	0.075	0.079	0.060	0.063	
								50	24	24.70	24.60	0.059	0.060	0.047	0.048	
	Body & Hotspot	QPSK	Mode B	5	Rear	133297	680.5	1	49	25.70	25.50	0.396	0.415	0.248	0.260	133
								50	24	24.70	24.60	0.377	0.386	0.249	0.255	
					Front	133297	680.5	1	49	25.70	25.50	0.238	0.249	0.166	0.174	
								50	24	24.70	24.60	0.187	0.191	0.131	0.134	
	Hotspot	QPSK	Mode B	5	Edge 2	133297	680.5	1	49	25.70	25.50	0.507	0.531	0.340	0.356	134
								50	24	24.70	24.60	0.419	0.429	0.280	0.287	
					Edge 3	133297	680.5	1	49	25.70	25.50	0.139	0.146	0.064	0.067	
								50	24	24.70	24.60	0.110	0.113	0.056	0.057	
					Edge 4	133297	680.5	1	49	25.70	25.50	0.231	0.242	0.155	0.162	
								50	24	24.70	24.60	0.188	0.192	0.126	0.129	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	133297	680.5	1	49	24.50	24.45	0.202	0.204	0.145	0.147	
								50	24	23.50	23.50	0.165	0.165	0.117	0.117	
					Left Tilt	133297	680.5	1	49	24.50	24.45	0.183	0.185	0.109	0.110	
								50	24	23.50	23.50	0.148	0.148	0.087	0.087	
					Right Touch	133297	680.5	1	49	24.50	24.45	0.250	0.253	0.174	0.176	
								50	24	23.50	23.50	0.197	0.197	0.138	0.138	
					Right Tilt	133297	680.5	1	49	24.50	24.45	0.264	0.267	0.143	0.145	135
								50	24	23.50	23.50	0.202	0.202	0.109	0.109	
	Body & Hotspot	QPSK	Mode B	5	Rear	133297	680.5	1	49	24.50	24.45	0.219	0.222	0.242	0.245	136
								50	24	23.50	23.50	0.176	0.176	0.176	0.176	
					Front	133297	680.5	1	49	24.50	24.45	0.115	0.116	0.082	0.083	
								50	24	23.50	23.50	0.091	0.091	0.064	0.064	
	Hotspot	QPSK	Mode B	5	Edge 1	133297	680.5	1	49	24.50	24.45	0.084	0.085	0.040	0.040	
								50	24	23.50	23.50	0.074	0.074	0.034	0.034	
					Edge 2	133297	680.5	1	49	24.50	24.45	0.146	0.148	0.098	0.099	
								50	24	23.50	23.50	0.116	0.116	0.077	0.077	
					Edge 4	133297	680.5	1	49	24.50	24.45	0.305	0.309	0.338	0.341	137
								50	24	23.50	23.50	0.240	0.240	0.240	0.240	

10.21. 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	0.379	100.0%	21.50	21.50	0.278	0.278	0.148	0.148	138
						Left Tilt	6	2437	0.132	100.0%	21.50	21.50					
						Right Touch	6	2437	0.229	100.0%	21.50	21.50					
						Right Tilt	6	2437	0.193	100.0%	21.50	21.50					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	1.180	100.0%	21.50	21.50	0.834	0.834	0.433	0.433	
							11	2462	1.44	100.0%	21.50	21.50	0.928	0.928	0.424	0.424	139
						Front	6	2437	1.170	100.0%	21.50	21.50	0.693	0.693	0.362	0.362	
		Hotspot	802.11b	Mode B	5	Edge 3	6	2437	0.198	100.0%	21.50	21.50					
						Edge 4	6	2437	1.27	100.0%	21.50	21.50	1.080	1.080	0.478	0.478	140
							11	2462	1.63	100.0%	21.50	21.50	1.070	1.070	0.471	0.471	

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	6	2437	1.550	100.0%	18.25	18.25	1.160	1.160	0.471	0.471	141
							11	2462	1.680	100.0%	18.25	18.25	1.130	1.130	0.468	0.468	
						Left Tilt	6	2437	0.970	100.0%	18.25	18.25	0.673	0.673	0.268	0.268	
						Right Touch	6	2437	0.455	100.0%	18.25	18.25	0.344	0.344	0.182	0.182	
						Right Tilt	6	2437	0.332	100.0%	18.25	18.25					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	1.500	100.0%	19.25	19.25	1.050	1.050	0.474	0.474	142
							11	2462	2.000	100.0%	19.25	19.25	1.030	1.030	0.436	0.436	
						Front	6	2437	1.340	100.0%	19.25	19.25	0.722	0.722	0.304	0.304	
		Hotspot	802.11b	Mode B	5	Edge 1	6	2437	0.572	100.0%	19.25	19.25					
						Edge 2	6	2437	0.900	100.0%	19.25	19.25					

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	0.789	100.0%	17.50	17.50	0.391	0.391	0.192	0.192	
						Front	6	2437	0.331	100.0%	17.50	17.50					
		Hotspot	802.11b	Mode B	5	Edge 3	6	2437	0.102	100.0%	17.50	17.50					
						Edge 4	6	2437	0.74	100.0%	17.50	17.50	0.419	0.419	0.177	0.177	143

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	0.594	100.0%	14.00	14.00	0.414	0.414	0.164	0.164	144
						Left Tilt	6	2437	0.321	100.0%	14.00	14.00	0.234	0.234	0.103	0.103	
						Right Touch	6	2437	0.156	100.0%	14.00	14.00					
						Right Tilt	6	2437	0.123	100.0%	14.00	14.00					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	1.21	100.0%	16.00	16.00	0.540	0.540	0.250	0.250	145
						Front	6	2437	0.515	100.0%	16.00	16.00					
		Hotspot	802.11b	Mode B	5	Edge 1	6	2437	0.289	100.0%	16.00	16.00					
						Edge 2	6	2437	0.755	100.0%	16.00	16.00	0.468	0.468	0.194	0.194	

10.22. 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	0.166	97.7%	21.50	21.50					
							Left Tilt	54	5270	0.085	97.7%	21.50	21.50					
							Right Touch	54	5270	0.162	97.7%	21.50	21.50					
							Right Tilt	54	5270	0.172	97.7%	21.50	21.50	0.055	0.056	0.012	0.012	146
		U-NII-1	Body & Airplay	802.11n HT40	Mode B	5	Rear	38	5190	1.320	97.7%	17.50	17.50	0.614	0.628	0.198	0.203	
								46	5230	2.410	97.7%	20.50	20.50	1.120	1.146	0.375	0.384	147
							Front	46	5230	0.198	97.7%	20.50	20.50					
			Airplay	802.11n HT40)	Mode B	5	Edge 3	46	5230	0.726	97.7%	20.50	20.50	0.342	0.350	0.083	0.085	
							Edge 4	46	5230	0.310	97.7%	20.50	20.50					
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-2C	Head	802.11ac (VHT80)	Mode A	0	Left Touch	122	5610	0.076	95.6%	21.50	21.50					
							Left Tilt	122	5610	0.105	95.6%	21.50	21.50					
							Right Touch	122	5610	0.060	95.6%	21.50	21.50					
							Right Tilt	122	5610	0.195	95.6%	21.50	21.50	0.065	0.068	0.014	0.015	148
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	106	5530	2.080	95.6%	16.50	16.50	0.961	1.005	0.338	0.354	
								122	5610	1.990	95.6%	17.75	17.75	1.120	1.172	0.391	0.409	149
								138	5690	1.960	95.6%	17.75	17.75	1.110	1.161	0.379	0.396	
							Front	122	5610	0.137	95.6%	17.75	17.75					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	122	5610	0.997	95.6%	17.75	17.75	0.441	0.461	0.155	0.162	
							Edge 4	122	5610	0.238	95.6%	17.75	17.75					
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 OFF	U-NII-3	Head	802.11ac (VHT80)	Mode A	0	Left Touch	155	5775	0.037	95.6%	21.50	21.50					
							Left Tilt	155	5775	0.042	95.6%	21.50	21.50					
							Right Touch	155	5775	0.044	95.6%	21.50	21.50					
							Right Tilt	155	5775	0.074	95.6%	21.50	21.50	0.040	0.042	0.009	0.009	150
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	2.340	95.6%	17.75	17.75	1.020	1.067	0.340	0.356	151
							Front	155	5775	0.105	95.6%	17.75	17.75					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	155	5775	0.629	95.6%	17.75	17.75	0.290	0.303	0.098	0.103	
							Edge 4	155	5775	0.097	95.6%	17.75	17.75					
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 OFF	U-NII-2A	Head	802.11n (HT40)	Mode A	0	Left Touch	54	5270	0.593	97.7%	21.50	21.50	0.352	0.360	0.106	0.108	
							Left Tilt	54	5270	0.410	97.7%	21.50	21.50					
							Right Touch	54	5270	1.510	97.7%	21.50	21.50	0.870	0.890	0.320	0.327	152
								62	5310	0.593	97.7%	17.50	17.50	0.353	0.361	0.108	0.111	
							Right Tilt	54	5270	1.590	97.7%	21.50	21.50	0.818	0.837	0.260	0.266	
								62	5310	0.665	97.7%	17.50	17.50	0.300	0.307	0.092	0.094	
			Body & Airplay	802.11n (HT40)	Mode B	5	Rear	54	5270	2.550	97.7%	17.75	17.75	1.110	1.136	0.293	0.300	153
								62	5310	2.750	97.7%	17.50	17.50	1.090	1.115	0.288	0.295	
							Front	54	5270	0.207	97.7%	17.75	17.75					
			Airplay	802.11n (HT40)	Mode B	5	Edge 1	54	5270	0.340	97.7%	17.75	17.75					
							Edge 4	54	5270	0.754	97.7%	17.75	17.75	0.338	0.346	0.113	0.116	
Antenna	WWAN Power	Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell OFF	U-NII-2C	Head	802.11ac (VHT80)	Mode A	0	Left Touch	122	5610	1.400	95.6%	21.00	21.00	0.718	0.751	0.201	0.210	
							Left Tilt	122	5610	0.973	95.6%	21.00	21.00	0.618	0.647	0.158	0.165	
							Right Touch	122	5610	2.120	95.6%	21.00	21.00	1.020	1.067	0.347	0.363	
								138	5690	1.860	95.6%	21.00	21.00	0.971	1.016	0.387	0.405	
							Right Tilt	122	5610	2.030	95.6%	21.00	21.00	1.110	1.161	0.327	0.342	154
								138	5690	2.370	95.6%	21.00	21.00	0.983	1.028	0.310	0.324	
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	122	5610	2.920	95.6%	20.00	20.00	1.050	1.098	0.270	0.282	
							Front	122	5610	1.440	95.6%	20.00	20.00	0.689	0.721	0.169	0.177	
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 1	122	5610	0.508	95.6%	20.00	20.00					
							Edge 4	122	5610	1.820	95.6%	20.00	20.00	1.060	1.109	0.336	0.352	155
								138	5690	2.160	95.6%	20.00	20.00	0.867	0.907	0.270	0.282	
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	1.000	95.6%	21.50	21.50					
							Left Tilt	155	5775	1.140	95.6%	21.50	21.50	0.573	0.599	0.155	0.162	
							Right Touch	155	5775	2.450	95.6%	21.50	21.50	1.100	1.151	0.345	0.361	156
							Right Tilt	155	5775	2.680	95.6%	21.50	21.50	1.020	1.067	0.306	0.320	
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	1.820	95.6%	20.50	20.50	0.788	0.824	0.210	0.220	
							Front	155	5775	0.907	95.6%	20.50	20.50	0.368	0.385	0.134	0.140	
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 1	155	5775	0.647	95.6%	20.50	20.50					
							Edge 4	155	5775	2.390	95.6%	20.50	20.50	1.090	1.140	0.352	0.368	157

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	0.646	95.6%	15.25	15.25	0.295	0.309	0.096	0.100	158
							Front	42	5210	0.039	95.6%	15.25	15.25					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	42	5210	0.211	95.6%	15.25	15.25					
							Edge 4	42	5210	0.053	95.6%	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	0.725	95.6%	12.50	12.50	0.305	0.319	0.100	0.105	159
							Front	122	5610	0.044	95.6%	12.50	12.50					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	122	5610	0.249	95.6%	12.50	12.50					
							Edge 4	122	5610	0.095	95.6%	12.50	12.50					
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 ON	U-NII-3	Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	0.709	95.6%	12.50	12.50	0.282	0.295	0.092	0.096	160
							Front	155	5775	0.030	95.6%	12.50	12.50					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	155	5775	0.202	95.6%	12.50	12.50					
							Edge 4	155	5775	0.013	95.6%	12.50	12.50					
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 ON	U-NII-1	Head	802.11n HT 40	Mode A	0	Left Touch	46	5230	0.201	97.7%	18.50	18.50					
							Left Tilt	46	5230	0.247	97.7%	18.50	18.50					
							Right Touch	46	5230	0.522	97.7%	18.50	17.50					
							Right Tilt	46	5230	0.594	97.7%	18.50	18.50	0.296	0.303	0.087	0.089	161
		U-NII-2A	Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	58	5290	4.000	95.6%	13.50	13.50	0.410	0.429	0.099	0.104	162
							Front	58	5290	0.052	95.6%	13.50	13.50					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 1	58	5290	0.099	95.6%	13.50	13.50					
							Edge 4	58	5290	0.157	95.6%	13.50	13.50	0.084	0.088	0.025	0.026	
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	0.332	95.6%	15.75	15.75					
							Left Tilt	122	5610	0.454	95.6%	15.75	15.75					
							Right Touch	122	5610	0.850	95.6%	15.75	15.75					
							Right Tilt	122	5610	0.888	95.6%	15.75	15.75	0.327	0.342	0.092	0.096	163
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	122	5610	1.080	95.6%	15.75	15.75	0.417	0.436	0.107	0.112	164
							Front	122	5610	0.428	95.6%	15.75	15.75					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 1	122	5610	0.271	95.6%	15.75	15.75					
							Edge 4	122	5610	0.740	95.6%	15.75	15.75	0.348	0.364	0.106	0.111	
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	0.387	95.6%	16.50	16.50					
							Left Tilt	155	5775	0.545	95.6%	16.50	16.50					
							Right Touch	155	5775	0.727	95.6%	16.50	16.50					
							Right Tilt	155	5775	1.010	95.6%	16.50	16.50	0.318	0.333	0.093	0.097	165
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	0.507	95.6%	16.25	16.25	0.228	0.239	0.061	0.064	
							Front	155	5775	0.589	95.6%	16.25	16.25					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 1	155	5775	0.420	95.6%	16.25	16.25					
							Edge 4	155	5775	0.760	95.6%	16.25	16.25	0.418	0.437	0.137	0.143	166

10.23. Bluetooth

ANT3 Power Mode A the P_{high} is same as $P_{standalone}$

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 Plow	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	11.00	11.00	0.043	0.043	0.022	0.022	167
					Left Tilt	39	2441	100.0%	11.00	11.00	0.020	0.020	0.009	0.009	
					Right Touch	39	2441	100.0%	11.00	11.00	0.043	0.043	0.022	0.022	
					Right Tilt	39	2441	100.0%	11.00	11.00	0.036	0.036	0.018	0.018	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	11.00	11.00	0.082	0.082	0.042	0.042	168
					Front	39	2441	100.0%	11.00	11.00	0.029	0.029	0.015	0.015	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	11.00	11.00	0.007	0.007	0.003	0.003	
					Edge 4	39	2441	100.0%	11.00	11.00	0.085	0.085	0.037	0.037	169
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 Phigh	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	15.00	15.00	0.245	0.245	0.112	0.112	170
					Front	39	2441	100.0%	15.00	15.00	0.127	0.127	0.062	0.062	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	15.00	15.00	0.029	0.029	0.014	0.014	
					Edge 4	39	2441	100.0%	15.00	15.00	0.248	0.248	0.358	0.358	171
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 Pstandlone	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	19.50	19.50	0.211	0.211	0.122	0.122	172
					Left Tilt	39	2441	100.0%	19.50	19.50	0.063	0.063	0.032	0.032	
					Right Touch	39	2441	100.0%	19.50	19.50	0.125	0.125	0.072	0.072	
					Right Tilt	39	2441	100.0%	19.50	19.50	0.112	0.112	0.056	0.056	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	18.50	18.50	0.556	0.556	0.264	0.264	173
					Front	39	2441	100.0%	18.50	18.50	0.279	0.279	0.148	0.148	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	18.50	18.50	0.068	0.068	0.032	0.032	
					Edge 4	39	2441	100.0%	18.50	18.50	0.515	0.515	0.246	0.246	
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 Plow	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	8.50	8.50	0.074	0.074	0.031	0.031	174
					Left Tilt	39	2441	100.0%	8.50	8.50	0.047	0.047	0.019	0.019	
					Right Touch	39	2441	100.0%	8.50	8.50	0.014	0.014	0.006	0.006	
					Right Tilt	39	2441	100.0%	8.50	8.50	0.027	0.027	0.011	0.011	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	9.50	9.50	0.058	0.058	0.023	0.023	
					Front	39	2441	100.0%	9.50	9.50	0.063	0.063	0.028	0.028	175
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	9.50	9.50	0.025	0.025	0.009	0.009	
					Edge 2	39	2441	100.0%	9.50	9.50	0.094	0.094	0.039	0.039	176
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 Phigh	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	12.50	12.50	0.212	0.212	0.087	0.087	177
					Left Tilt	39	2441	100.0%	12.50	12.50	0.183	0.183	0.073	0.073	
					Right Touch	39	2441	100.0%	12.50	12.50	0.072	0.072	0.035	0.035	
					Right Tilt	39	2441	100.0%	12.50	12.50	0.049	0.049	0.023	0.023	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	13.50	13.50	0.233	0.233	0.109	0.109	178
					Front	39	2441	100.0%	13.50	13.50	0.155	0.155	0.072	0.072	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	13.50	13.50	0.079	0.079	0.022	0.022	
					Edge 2	39	2441	100.0%	13.50	13.50	0.192	0.192	0.086	0.086	
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 Pstandlone	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	16.00	16.00	0.595	0.595	0.239	0.239	179
					Left Tilt	39	2441	100.0%	16.00	16.00	0.454	0.454	0.168	0.168	
					Right Touch	39	2441	100.0%	16.00	16.00	0.110	0.110	0.056	0.056	
					Right Tilt	39	2441	100.0%	16.00	16.00	0.138	0.138	0.055	0.055	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	17.00	17.00	0.584	0.584	0.253	0.253	180
					Front	39	2441	100.0%	17.00	17.00	0.529	0.529	0.227	0.227	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	17.00	17.00	0.298	0.298	0.106	0.106	
					Edge 2	39	2441	100.0%	17.00	17.00	0.576	0.576	0.285	0.285	

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	LTE Band 66	Body & Hotspot	Rear	Yes	0.959	0.922	1.04
1900	CDMA BC 1	Head	Right Touch	Yes	0.982	0.939	1.05
2300	LTE Band 30	Head	Right Tilt	Yes	0.977	0.963	1.01
2400	Wi-Fi 802.11b/g/n/ax	Head	Left Touch	Yes	1.160	1.160	1.00
2500	LTE Band 7	Head	Right Touch	Yes	0.986	0.941	1.05
2600	LTE Band 41	Head	Left Tilt	Yes	0.989	0.976	1.01
3500	LTE Band 48	Body & Hotspot	Edge 2	Yes	0.953	0.919	1.04
5200	Wi-Fi 802.11a/n/ac/ax	Body & Hotspot	Rear	Yes	1.120	1.100	1.02
5300	Wi-Fi 802.11a/n/ac/ax	Body & Hotspot	Rear	No	1.110	1.090	1.02
5500	Wi-Fi 802.11a/n/ac/ax	Body & Hotspot	Rear	Yes	1.120	1.070	1.05
5800	Wi-Fi 802.11a/n/ac/ax	Head	Right Touch	Yes	1.100	1.060	1.04

Note(s):

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

12. Simultaneous Transmission Conditions

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

Sum of SAR

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

SAR to Peak Location Ratio (SPLSR)

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

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

Where:

SAR_1 is the highest reported or estimated SAR for the first of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition

SAR_2 is the highest reported or estimated SAR for the second of a pair of simultaneous transmitting antennas, in the same test operating mode and exposure condition as the first

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

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

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

When an individual antenna transmits at on two bands simultaneously, the sum of the highest *reported* SAR for the frequency bands should be used to determine SAR_1.or SAR_2. When SPLSR is necessary, the smallest distance between the peak SAR locations for the antenna pair with respect to the peaks from each antenna should be used.

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

Simultaneous transmission SAR measurement

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

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

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

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

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

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

Simultaneous transmission SAR Exclusion

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

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

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

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

RF Exposure Condition	Item	Capable Transmit Configurations				
Head Body Worn Accessory Hotspot (for 2.4 GHz) Airplay (for 2.4/5 GHz)	1	WWAN 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 [7]	+	(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 [7]	+	(ANT4) Bluetooth (P_{High})
	7		+	(ANT5) Wi-Fi 5 GHz SISO	+	Bluetooth Beamforming [7]
	8		+	(ANT6) Wi-Fi 5 GHz SISO	+	Bluetooth Beamforming [7]
	9		+	Wi-Fi 5 GHz MIMO [7]	+	Bluetooth Beamforming [7]
	10	WWAN ON (CELLULAR ANTENNAS ON)	+	(ANT2) Wi-Fi 2.4 GHz SISO		
	11		+	(ANT5) Wi-Fi 2.4 GHz SISO		
	12		+	Wi-Fi 2.4 GHz MIMO [7]		
	13				+	(ANT3) Bluetooth (P_{High})
	14				+	(ANT4) Bluetooth (P_{High})
	15				+	Bluetooth Beamforming [7]
	16		+	(ANT5) Wi-Fi 5 GHz SISO		
	17		+	(ANT6) Wi-Fi 5 GHz SISO		
	18		+	Wi-Fi 5 GHz MIMO [7]		
	19		+	(ANT5) Wi-Fi 5 GHz SISO	+	(ANT3) Bluetooth (P_{low})
	20		+	(ANT6) Wi-Fi 5 GHz SISO	+	(ANT3) Bluetooth (P_{low})
	21		+	Wi-Fi 5 GHz MIMO [7]	+	(ANT3) Bluetooth (P_{low})
	22		+	(ANT5) Wi-Fi 5 GHz SISO	+	(ANT4) Bluetooth (P_{low})
	23		+	(ANT6) Wi-Fi 5 GHz SISO	+	(ANT4) Bluetooth (P_{low})
	24		+	Wi-Fi 5 GHz MIMO [7]	+	(ANT4) Bluetooth (P_{low})
	25		+	(ANT5) Wi-Fi 5 GHz SISO	+	Bluetooth Beamforming [7]
	26		+	(ANT6) Wi-Fi 5 GHz SISO	+	Bluetooth Beamforming [7]
	27		+	Wi-Fi 5 GHz MIMO [7]	+	Bluetooth Beamforming [7]

Note(s):

1. Wi-Fi 2.4GHz & Bluetooth cannot transmit simultaneously.
2. Wi-Fi 2.4GHz & Wi-Fi 5GHz cannot transmit simultaneously.
3. WWAN ANT1, ANT2, ANT3, and ANT4 cannot transmit simultaneously.
4. Bluetooth P_{low} is used with Wi-Fi and WWAN antennas are active.
5. Bluetooth P_{high} is used when Wi-Fi antenna is active and WWAN antenna is inactive or with Wi-Fi inactive and WWAN antenna is active.
6. Bluetooth $P_{standalone}$ is used with Wi-Fi and WWAN antennas are inactive.

7. Wi-Fi SISO mode SAR result can also represent for MIMO mode SAR and is used for MIMO mode simultaneous transmission analysis because antennas are not overlapping and the MIMO mode maximum power is equal or less than SISO mode.

12.1. Sum of the SAR for WWAN Cell-off & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)				∑ 1-g SAR (W/kg)			
		1	2	3	4	1+3	1+4	2+3	2+4
		Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.068	0.751	0.211	0.212	0.279	0.280	0.962	0.963
	Left Tilt	0.068	0.647	0.063	0.183	0.131	0.251	0.710	0.830
	Right Touch	0.068	1.151	0.125	0.072	0.193	0.140	1.276	1.223
	Right Tilt	0.068	1.161	0.112	0.049	0.180	0.117	1.273	1.210
Body-worn & Hotspot	Rear	1.172	1.136	0.245	0.233	1.417	1.405	1.381	1.369
	Front	0.461	0.721	0.127	0.155	0.588	0.616	0.848	0.876
Hotspot	Edge 1		0.721		0.079			0.721	0.800
	Edge 3	0.461		0.029		0.490	0.461		
	Edge 4	0.461	1.140	0.248		0.709	0.461	1.388	1.140

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT1	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.217	0.278	0.414	0.211	0.212	0.495	0.631	0.428	0.429
	Left Tilt	0.222	0.278	0.234	0.063	0.183	0.500	0.456	0.285	0.405
	Right Touch	0.381	0.278	0.234	0.125	0.072	0.659	0.615	0.506	0.453
	Right Tilt	0.146	0.278	0.234	0.112	0.049	0.424	0.380	0.258	0.195
Body-worn & Hptspot	Rear	0.982	0.391	0.540	0.245	0.233	1.373	1.522	1.227	1.215
	Front	0.613	0.391	0.468	0.127	0.155	1.004	1.081	0.740	0.768
Hotspot	Edge 2	0.991		0.468		0.192	0.991	1.459	0.991	1.183
	Edge 3	0.994	0.391		0.029		1.385	0.994	1.023	0.994
	Edge 4	0.368	0.419		0.248		0.787	0.368	0.616	0.368

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT1	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.217	0.068	0.342	0.043	0.074	0.328	0.359	0.602	0.633
	Left Tilt	0.222	0.068	0.342	0.020	0.047	0.310	0.337	0.584	0.611
	Right Touch	0.381	0.068	0.342	0.043	0.014	0.492	0.463	0.766	0.737
	Right Tilt	0.146	0.068	0.342	0.036	0.027	0.250	0.241	0.524	0.515
Body-worn & Hptspot	Rear	0.982	0.319	0.436	0.082	0.058	1.383	1.359	1.500	1.476
	Front	0.613	0.319	0.436	0.029	0.063	0.961	0.995	1.078	1.112
Hotspot	Edge 2	0.991				0.094	1.317	1.404	1.434	1.521
	Edge 3	0.994	0.319		0.007		1.321	1.338	1.438	1.455
	Edge 4	0.368	0.319	0.437	0.085		0.772	0.712	0.890	0.830

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT2	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.924	0.278	0.414	0.211	0.212	1.202	1.338	1.135	1.136
	Left Tilt	0.994	0.278	0.234	0.063	0.183	1.272	1.228	1.057	1.177
	Right Touch	0.997	0.278	0.234	0.125	0.072	1.275	1.231	1.122	1.069
	Right Tilt	0.988	0.278	0.234	0.112	0.049	1.266	1.222	1.100	1.037
Body-worn & Hptspot	Rear	0.897	0.391	0.540	0.245	0.233	1.288	1.437	1.142	1.130
	Front	0.617	0.391	0.468	0.127	0.155	1.008	1.085	0.744	0.772
Hotspot	Edge 1	0.802		0.468		0.079	0.802	1.270	0.802	0.882
	Edge 2	0.239		0.468		0.192	0.239	0.707	0.239	0.431
	Edge 4	0.605	0.419		0.248		1.024	0.605	0.853	0.605

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT2	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.924	0.068	0.342	0.043	0.074	1.035	1.066	1.309	1.340
	Left Tilt	0.994	0.068	0.342	0.020	0.047	1.082	1.109	1.356	1.383
	Right Touch	0.997	0.068	0.342	0.043	0.014	1.108	1.079	1.382	1.353
	Right Tilt	0.988	0.068	0.342	0.036	0.027	1.092	1.083	1.366	1.357
Body-worn & Hptspot	Rear	0.897	0.319	0.436	0.082	0.058	1.298	1.274	1.415	1.391
	Front	0.617	0.319	0.436	0.029	0.063	0.965	0.999	1.082	1.116
Hotspot	Edge 1	0.802		0.436		0.025	1.128	1.146	1.245	1.263
	Edge 2	0.239				0.094	0.565	0.652	0.682	0.769
	Edge 4	0.605	0.319	0.437	0.085		1.009	0.949	1.127	1.067

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT3	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.693	0.278	0.414	0.211	0.212	0.971	1.107	0.904	0.905
	Left Tilt	0.350	0.278	0.234	0.063	0.183	0.628	0.584	0.413	0.533
	Right Touch	0.410	0.278	0.234	0.125	0.072	0.688	0.644	0.535	0.482
	Right Tilt	0.315	0.278	0.234	0.112	0.049	0.593	0.549	0.427	0.364
Body-worn & Hptspot	Rear	0.992	0.391	0.540	0.245	0.233	1.383	1.532	1.237	1.225
	Front	0.547	0.391	0.468	0.127	0.155	0.938	1.015	0.674	0.702
Hotspot	Edge 3	0.338	0.391		0.029		0.729	0.338	0.367	0.338
	Edge 4	0.948	0.419		0.248		1.367	0.948	1.196	0.948

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT3	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.693	0.068	0.342	0.043	0.074	0.804	0.835	1.078	1.109
	Left Tilt	0.350	0.068	0.342	0.020	0.047	0.438	0.465	0.712	0.739
	Right Touch	0.410	0.068	0.342	0.043	0.014	0.521	0.492	0.795	0.766
	Right Tilt	0.315	0.068	0.342	0.036	0.027	0.419	0.410	0.693	0.684
Body-worn & Hptspot	Rear	0.992	0.319	0.436	0.082	0.058	1.393	1.369	1.510	1.486
	Front	0.547	0.319	0.436	0.029	0.063	0.895	0.929	1.012	1.046
Hotspot	Edge 3	0.338	0.319		0.007		0.665	0.657	0.346	0.338
	Edge 4	0.948	0.319		0.085		1.352	1.267	1.033	0.948

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT4	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.994	0.278	0.414	0.211	0.212	1.272	1.408	1.205	1.206
	Left Tilt	0.870	0.278	0.234	0.063	0.183	1.148	1.104	0.933	1.053
	Right Touch	0.512	0.278	0.234	0.125	0.072	0.790	0.746	0.637	0.584
	Right Tilt	0.518	0.278	0.234	0.112	0.049	0.796	0.752	0.630	0.567
Body-worn & Hptspot	Rear	0.897	0.391	0.540	0.245	0.233	1.288	1.437	1.142	1.130
	Front	0.714	0.391	0.468	0.127	0.155	1.105	1.182	0.841	0.869
Hotspot	Edge 1	0.325		0.468		0.079	0.325	0.793	0.325	0.404
	Edge 2	0.998		0.468		0.192	0.998	1.466	0.998	1.190

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT4	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.994	0.068	0.342	0.043	0.074	1.105	1.136	1.379	1.410
	Left Tilt	0.870	0.068	0.342	0.020	0.047	0.958	0.985	1.232	1.259
	Right Touch	0.512	0.068	0.342	0.043	0.014	0.623	0.594	0.897	0.868
	Right Tilt	0.518	0.068	0.342	0.036	0.027	0.622	0.613	0.896	0.887
Body-worn & Hptspot	Rear	0.897	0.319	0.436	0.082	0.058	1.298	1.274	1.415	1.391
	Front	0.714	0.319	0.436	0.029	0.063	1.062	1.096	1.179	1.213
Hotspot	Edge 1	0.325		0.436		0.025	0.325	0.350	0.761	0.786
	Edge 2	0.998		0.437		0.094	0.998	1.092	1.435	1.529

12.6. Sum of the SAR for WWAN Cell-on(ANT6) & Wi-Fi & BT results

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT6	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.245	0.278	0.414	0.211	0.212	0.523	0.659	0.456	0.457
	Left Tilt	0.351	0.278	0.234	0.063	0.183	0.629	0.585	0.414	0.534
	Right Touch	0.350	0.278	0.234	0.125	0.072	0.628	0.584	0.475	0.422
	Right Tilt	0.295	0.278	0.234	0.112	0.049	0.573	0.529	0.407	0.344
Body-worn & Hptspot	Rear	0.400	0.391	0.540	0.245	0.233	0.791	0.940	0.645	0.633
	Front	0.149	0.391	0.468	0.127	0.155	0.540	0.617	0.276	0.304
Hotspot	Edge 1	0.220		0.468		0.079	0.220	0.688	0.220	0.299
	Edge 4	0.418	0.419		0.248		0.837	0.418	0.666	0.418

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT6	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.245	0.068	0.342	0.043	0.074	0.356	0.387	0.630	0.661
	Left Tilt	0.351	0.068	0.342	0.020	0.047	0.439	0.466	0.713	0.740
	Right Touch	0.350	0.068	0.342	0.043	0.014	0.461	0.432	0.735	0.706
	Right Tilt	0.295	0.068	0.342	0.036	0.027	0.399	0.390	0.673	0.664
Body-worn & Hptspot	Rear	0.400	0.319	0.436	0.082	0.058	0.801	0.777	0.918	0.894
	Front	0.149	0.319	0.436	0.029	0.063	0.497	0.531	0.614	0.648
Hotspot	Edge 1	0.220		0.436		0.025	0.546	0.564	0.663	0.681
	Edge 4	0.418	0.319	0.437	0.085		0.821	0.762	0.939	0.880

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

END OF REPORT