



SAR EVALUATION REPORT

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

For
SMARTPHONE

**FCC ID: BCG-E3540A
Model Name: A2398**

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Prepared for
**APPLE INC.
1 APPLE PARK WAY
CUPERTINO, CA 95014-2084**

Prepared by
**UL VERIFICATION SERVICES INC.
47173 BENICIA STREET
FREMONT, CA 94538, U.S.A.
TEL: (510) 771-1000
FAX: (510) 661-0888**



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Revision History

Rev.	Date	Revisions	Revised By
V1	9/27/2020	Initial Issue	--
V2	9/30/2020	Report revised based on reviewer's feedback: 1. Sec. 6.6: Updated table. 2. Sec. 9.3: Added note. 3. Sec. 10.10: Updated table.	Art Thammanavarat

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1. Attestation of Test Results

Applicant Name	APPLE, INC.			
FCC ID	BCG-E3540A			
Model Name	A2398			
Applicable Standards	FCC 47 CFR § 2.1093 Published RF exposure KDB procedures IEEE Std 1528-2013			
Exposure Category	SAR Limits (W/Kg)			
	Peak spatial-average(1g of tissue)		Extremities (hands, wrists, ankles, etc.) (10g of tissue)	
General population / Uncontrolled exposure	1.6		4	
RF Exposure Conditions	Equipment Class - Highest Reported SAR (W/kg)			
	PCE	DTS	NII	DSS
Head	0.999	1.040	1.174	0.892
Body-worn (Dist.= 5 mm)	0.997	0.871	1.113	0.825
Hotspot (Dist.= 5 mm)	0.999	1.060	1.169	0.976
Simultaneous TX	Head	1.390	1.375	1.381
	Body-worn	1.484	1.444	1.484
	Hotspot	1.498	1.485	1.498
Date Tested	8/24/2018 to 9/26/2020			
Test Results	Pass			
UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of the U.S. government.				
Approved & Released By:		Prepared By:		
				
Devin Chang Senior Test Engineer UL Verification Services Inc.		Chakrit Thammanavarat Senior Test Engineer UL Verification Services Inc.		

2. Test Specification, Methods and Procedures

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

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

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

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

3. Facilities and Accreditation

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

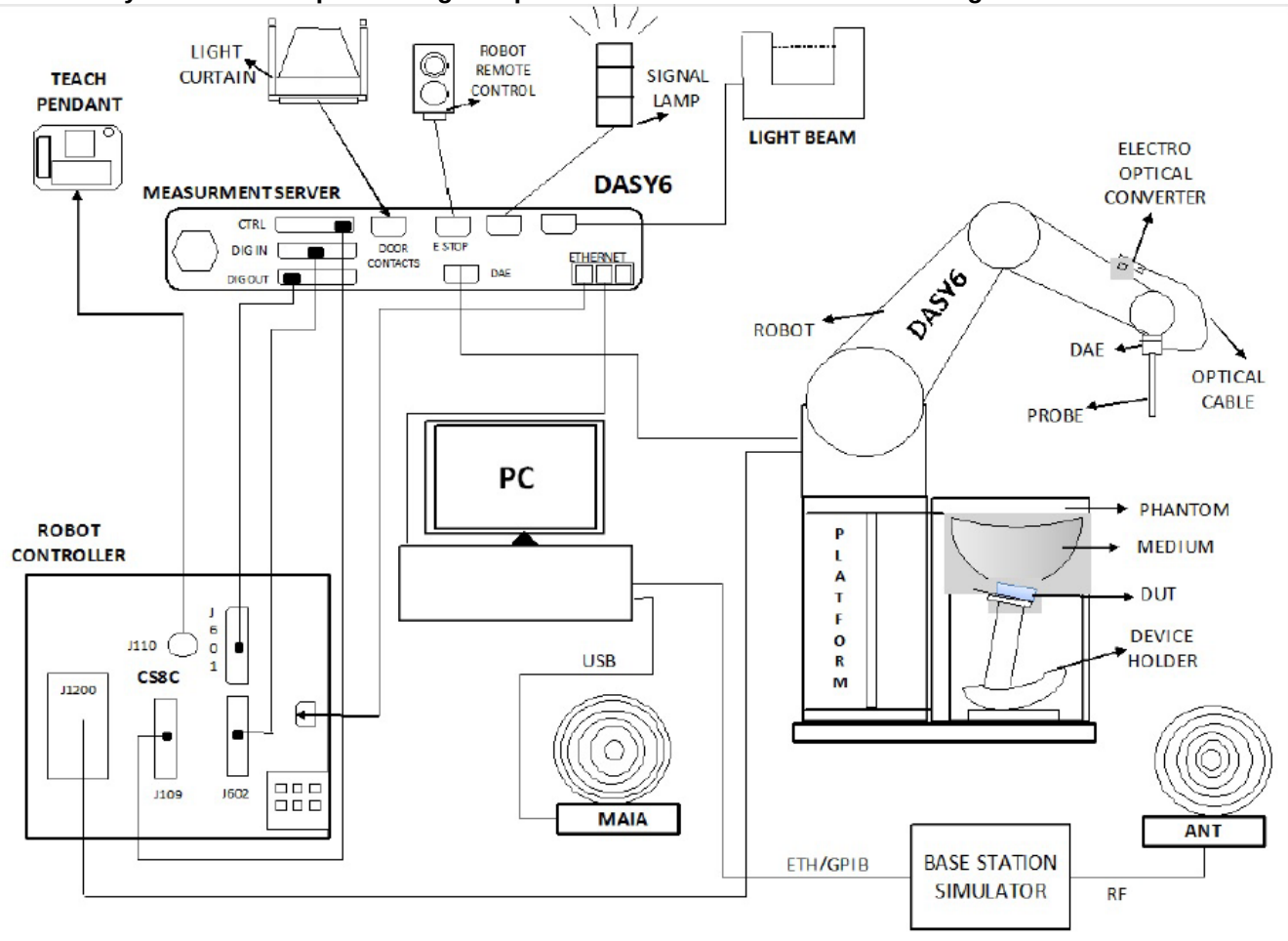
47173 Benicia Street	47266 Benicia Street
SAR Lab A	SAR Lab 1
SAR Lab B	SAR Lab 2
SAR Lab C	SAR Lab 3
SAR Lab D	SAR Lab 4
SAR Lab E	SAR Lab 5
SAR Lab F	SAR Lab 6
SAR Lab G	SAR Lab 8
SAR Lab H	SAR Lab L1
	SAR Lab L2
	SAR Lab L3
	SAR Lab L4
	SAR Lab L6

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

4. SAR Measurement System & Test Equipment

4.1. SAR Measurement System

The DASY5 system used for performing compliance tests consists of the following items:



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running WinXP or Win7 and the DASY5 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

4.2. SAR Scan Procedures

Step 1: Power Reference Measurement

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

Step 2: Area Scan

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

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

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

Step 3: Zoom Scan

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

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

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

Step 4: Power drift measurement

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

4.3. Test Equipment

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

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

System Check

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

Note(s):

*Equipment not used past calibration due date.

Lab Equipment

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
E-Field Probe (SAR Lab A)	SPEAG	EX3DV4	3794	2/14/2021
E-Field Probe (SAR Lab B)	SPEAG	EX3DV4	7463	7/24/2021
E-Field Probe (SAR Lab C)	SPEAG	EX3DV4	7569	5/7/2021
E-Field Probe (SAR Lab D)	SPEAG	EX3DV4	3773	3/20/2021
E-Field Probe (SAR Lab E)	SPEAG	EX3DV4	3989	1/23/2021
E-Field Probe (SAR Lab E)	SPEAG	EX3DV4	7578	2/10/2021
E-Field Probe (SAR Lab F)	SPEAG	EX3DV4	3902	5/15/2021
E-Field Probe (SAR Lab G)	SPEAG	EX3DV4	7498	4/24/2021
E-Field Probe (SAR Lab H)	SPEAG	EX3DV4	7500	4/24/2021
E-Field Probe (SAR Lab 1)	SPEAG	EX3DV4	7483	11/25/2020
E-Field Probe (SAR Lab 1)	SPEAG	EX3DV4	7335	2/21/2021
E-Field Probe (SAR Lab 2)	SPEAG	EX3DV4	3749	1/23/2021
E-Field Probe (SAR Lab 3)	SPEAG	EX3DV4	7501	5/15/2021
E-Field Probe (SAR Lab 4)	SPEAG	EX3DV4	3885	10/16/2020
E-Field Probe (SAR Lab 4)	SPEAG	EX3DV4	7356	4/23/2021
E-Field Probe (SAR Lab 5)	SPEAG	EX3DV4	7482	7/27/2021
E-Field Probe (SAR Lab 6)	SPEAG	EX3DV4	3772	2/21/2021
E-Field Probe (SAR Lab 8)	SPEAG	EX3DV4	7335	2/21/2021
E-Field Probe (SAR Lab L1)	SPEAG	EX3DV4	7585	5/7/2021
E-Field Probe (SAR Lab L2)	SPEAG	EX3DV4	7587	5/8/2021
E-Field Probe (SAR Lab L3)	SPEAG	EX3DV4	7589	5/8/2021
E-Field Probe (SAR Lab L4)	SPEAG	EX3DV4	7586	5/8/2021
E-Field Probe (SAR Lab L6)	SPEAG	EX3DV4	7572	5/7/2021
Data Acquisition Electronics (SAR Lab A)	SPEAG	DAE4	1439	7/16/2021
Data Acquisition Electronics (SAR Lab B)	SPEAG	DAE4	1545	4/15/2021
Data Acquisition Electronics (SAR Lab C)	SPEAG	DAE4	1620	5/7/2021
Data Acquisition Electronics (SAR Lab D)	SPEAG	DAE4	1433	3/17/2021
Data Acquisition Electronics (SAR Lab E)	SPEAG	DAE4	1377	10/10/2020
Data Acquisition Electronics (SAR Lab E)	SPEAG	DAE4	1239	7/29/2021
Data Acquisition Electronics (SAR Lab F)	SPEAG	DAE4	1352	11/15/2020
Data Acquisition Electronics (SAR Lab G)	SPEAG	DAE4	1544	3/16/2021
Data Acquisition Electronics (SAR Lab H)	SPEAG	DAE4	1548	4/15/2021
Data Acquisition Electronics (SAR Lab 1)	SPEAG	DAE4	1380	8/19/2021
Data Acquisition Electronics (SAR Lab 2)	SPEAG	DAE4	1472	3/12/2021
Data Acquisition Electronics (SAR Lab 3)	SPEAG	DAE4	1546	5/15/2021
Data Acquisition Electronics (SAR Lab 4)	SPEAG	DAE4	1547	5/15/2021
Data Acquisition Electronics (SAR Lab 5)	SPEAG	DAE4	1540	2/21/2021
Data Acquisition Electronics (SAR Lab 6)	SPEAG	DAE4	1259	7/16/2021
Data Acquisition Electronics (SAR Lab 8)	SPEAG	DAE4	1359	2/26/2021
Data Acquisition Electronics (SAR Lab L1)	SPEAG	DAE4	1618	5/7/2021
Data Acquisition Electronics (SAR Lab L2)	SPEAG	DAE4	1621	5/7/2021
Data Acquisition Electronics (SAR Lab L3)	SPEAG	DAE4	1619	5/7/2021
Data Acquisition Electronics (SAR Lab L4)	SPEAG	DAE4	1622	5/8/2021
Data Acquisition Electronics (SAR Lab L6)	SPEAG	DAE4	1617	5/7/2021

Note(s):

*Equipment not used past calibration due date.

Lab Equipment

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
System Validation Dipole	SPEAG	D750V3	1071	11/20/2020
System Validation Dipole	SPEAG	D835V2	4d002	11/20/2020
System Validation Dipole	SPEAG	D1750V2	1053	10/10/2020
System Validation Dipole	SPEAG	D1750V2	1050	4/21/2021
System Validation Dipole	SPEAG	D1750V2	1077	10/10/2020
System Validation Dipole	SPEAG	D1900V2	5d163	10/14/2020
System Validation Dipole	SPEAG	D1900V2	5d043	11/20/2020
System Validation Dipole	SPEAG	D1900V2	5d140	4/21/2021
System Validation Dipole	SPEAG	D2300V2	1002	4/17/2021
System Validation Dipole	SPEAG	D2300V2	1058	10/14/2020
System Validation Dipole	SPEAG	D2450V2	899	4/17/2021
System Validation Dipole	SPEAG	D2600V2	1036	4/17/2021
System Validation Dipole	SPEAG	D2600V2	1006	10/14/2020
System Validation Dipole	SPEAG	D3500V2	1011	4/17/2021
System Validation Dipole	SPEAG	D3500V2	1060	3/12/2021
System Validation Dipole	SPEAG	D3700V2	1039	5/11/2021
System Validation Dipole	SPEAG	D3900V2	1052	8/3/2021
System Validation Dipole	SPEAG	D5GHzV2	1168	11/23/2020
System Validation Dipole	SPEAG	D5GHzV2	1138	8/17/2021
System Validation Dipole	SPEAG	D5GHzV2	1003	3/12/2021

Note(s):

*Equipment not used past calibration due date.

OTHER

Name of Equipment	Manufacturer	Type/Model	T Number	Serial No.	Cal. Due Date
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	959	137873-WG	2/19/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	953	135390-WS	2/23/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	957	134852-cy	2/25/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	949	134851-LL	2/20/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	970	137875-DZ	2/26/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	259	124594-HX	2/21/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	960	135384-pJ	2/26/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	978	137877-ms	2/20/2021
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	268	124593-ss	2/19/2021
Power Meter	Keysight	N1912A	1273	MY55196007	1/22/2021
Power Sensor	Keysight	N1912A	309	MY52270022	2/13/2021
Power Sensor	Rohde & Schwarz	NRP85	211886	109115-nc	4/20/2021
Lab Thermometer	Keysight	Traceable	1819	170024401	3/11/2021

5. Measurement Uncertainty

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

Therefore, the measurement uncertainty is not required.

6. Device Under Test (DUT) Information

6.1. DUT Description

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

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

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

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

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

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

Device Dimension	Overall (Length x Width): 131.50 mm x 64.21 mm Overall Diagonal: 146.30 mm (5.76 inch) Display Diagonal: 137.67 mm (5.42 inch)
Back Cover	The Back Cover is not removable
Battery Options	The rechargeable battery is not user accessible.
Accessory	Headset
Wireless Router (Hotspot)	Wi-Fi Hotspot mode permits the device to share its WWAN data connection with other Wi-Fi-enabled devices. ☒ Mobile Hotspot (Wi-Fi 2.4 GHz) ☒ Mobile Hotspot (Wi-Fi 5.2/5.8 GHz)
AirPlay	AirPlay mode enabled devices transfer data directly between each other ☒ AirPlay (Wi-Fi 2.4 GHz) ☒ AirPlay (Wi-Fi 5 GHz)
Bluetooth Tethering (Hotspot)	BT Tethering mode permits the device to share its cellular data connection with other devices. ☒ BT Tethering (Bluetooth 2.4 GHz)

6.2. Wireless Technologies

Wireless technologies	Frequency bands	Operating mode		Duty Cycle used for SAR testing
GSM	850 1900	Voice (GMSK) GPRS (GMSK) EDGE (8PSK)	GSM Class : B Multi-Slot Class: Class 10 - 2 Up, 4 Down	GSM Voice: 12.5% (E)GPRS: 1 Slot: 12.5% 2 Slots: 25%
Does this device support DTM (Dual Transfer Mode)? ☐ Yes ☒ No				
CDMA (CDMA2000)	BC0 BC1 BC10	1xRTT (Voice & Data) 1xEV-DO Rel. 0 1xEV-DO Rev. A 1xAdvanced		100%
Does this device support SV-DO (1xRTT-1xEVDO)? ☐ Yes ☒ No				
W-CDMA (UMTS)	Band 2 Band 4 Band 5	UMTS Rel. 99 (Voice & Data) HSDPA (Rel. 5) HSUPA (Rel. 6) HSPA+ (Rel. 7) DC-HSDPA (Rel. 8)		100%
LTE ⁴	FDD Band 2 FDD Band 4 FDD Band 5 FDD Band 7 FDD Band 12 FDD Band 13 FDD Band 14 FDD Band 17 FDD Band 25 FDD Band 26 FDD Band 29 (DL Only) FDD Band 30 TDD Band 41 ² TDD Band 46 (DL Only) TDD Band 48 FDD Band 66 FDD Band 71 Carrier Aggregation ³	QPSK 16QAM 64QAM 256QAM Carrier Aggregation (2 Uplinks and 6 Downlinks)		100% (FDD) 63.3% (TDD) Power Class 3 43.3% (TDD) Power Class 2 Refer to §6.4
	FDD Band 5B FDD Band 7C TDD Band 41C ² TDD Band 48C	Does this device support SV-LTE (1xRTT-LTE)? ☐ Yes ☒ No		
5G NR (FR1)	FDD band n2 FDD band n5 FDD band n12 FDD band n25 TDD band n41 ² FDD band n66 FDD band n71 TDD band n77	CP-OFDM: Pi/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM DFT-s-OFDM: QPSK, 16QAM, 64QAM, 256QAM		100% (FDD) 100% (TDD) Power Class 3 50% (TDD) Power Class 2
Wi-Fi	2.4 GHz ¹	802.11b 802.11g 802.11n (HT20) 802.11ac (HT20) 802.11ax (HE20)		100% (802.11b) 98.9% (802.11g/n 20MHz BW)
	5 GHz ¹	802.11a 802.11n (HT20) 802.11n (HT40) 802.11ac (VHT20) 802.11ac (VHT40) 802.11ac (VHT80) 802.11ax (HE20) 802.11ax (HE40) 802.11ax (HE80)		98.9% (802.11a/n/ac 20MHz BW) 97.9% (802.11n/ac 40MHz BW) 95.8% (802.11n/ac 80MHz BW)

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

Note(s):

1. Duty cycle for Wi-Fi and BT is referenced from the DTS and U-NII and BT reports.
2. This device supports Power Class 2 and Power Class 3 for LTE Band 41 and 5G NR(FR1) band n41 .
3. LTE Uplink 2CA is the total combined power of the UL CA.
LTE Uplink Cat 13, LTE 3GPP Rel-13 (LTE 3GPP Rel-14 for B41 PC2)
4. Measured Duty Cycle is not required due to SAR test exemption.

6.3. General LTE SAR Test and Reporting Considerations

Item	Description						
Frequency range, Channel Bandwidth, Numbers and Frequencies	Band 2	Frequency range: 1850 - 1910 MHz (BW = 60 MHz)					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	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/ 794.5		

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

	Band 71	Frequency range: 663 - 698 MHz (BW = 35 MHz)																																																																		
		Channel Bandwidth																																																																		
		20 MHz ¹	15 MHz ¹	10 MHz	5 MHz	3 MHz	1.4 MHz																																																													
	Low	133222/ 673	133197/ 670.5	133172/ 668	133147/ 665.5																																																															
	Mid	133297/ 680.5	133297/ 680.5	133297/ 680.5	133297/ 680.5																																																															
High	133372/ 688	133397/ 690.5	133422/ 693	133447/ 695.5																																																																
LTE transmitter and antenna implementation	LTE can transmit from either ANT1, ANT2, ANT3, ANT4, ANT7, ANT8, and ANT9 Then antenna switching is implemented with a physical, "break-before-make" switch such that only one antenna can be used for LTE transmission at a time.																																																																			
Maximum power reduction (MPR)	Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3 <table><tr><th rowspan="2">Modulation</th><th colspan="6">Channel bandwidth / Transmission bandwidth (N_{RB})</th><th rowspan="2">MPR (dB)</th></tr><tr><th>1.4 MHz</th><th>3.0 MHz</th><th>5 MHz</th><th>10 MHz</th><th>15 MHz</th><th>20 MHz</th></tr><tr><td>QPSK</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 1</td></tr><tr><td>16 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 1</td></tr><tr><td>16 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 2</td></tr><tr><td>64 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 2</td></tr><tr><td>64 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 3</td></tr><tr><td>256 QAM</td><td colspan="6">≥ 1</td><td>≤ 5</td></tr></table> MPR Built-in by design The manufacturer MPR values are always within the 3GPP maximum MPR allowance but may not follow the default MPR values. A-MPR (additional MPR) was disabled during SAR testing						Modulation	Channel bandwidth / Transmission bandwidth (N _{RB})						MPR (dB)	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1	16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1	16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2	64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2	64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3	256 QAM	≥ 1						≤ 5
Modulation	Channel bandwidth / Transmission bandwidth (N _{RB})							MPR (dB)																																																												
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz																																																														
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1																																																													
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1																																																													
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2																																																													
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2																																																													
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3																																																													
256 QAM	≥ 1						≤ 5																																																													
Spectrum plots for RB configurations	A properly configured base station simulator was used for the SAR and power measurements; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report.																																																																			

Notes:

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

6.4. LTE (TDD) Considerations

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

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

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

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

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

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

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

Note(s):

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

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

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

	High	662000 /3930	662334 /3935.01	662666 /3939.99	663334 /3950.01	663666 /3954.99	664000 /3960			664666 /3969.99			
SCS	15 kHz (n2, n5, n12, n25, n66, n71) 30 kHz (n41, n77)												
NR(FR1) transmitter and antenna implementation	Refer to section 7 and Appendix A.												
A-MPR(Additional MPR) disabled for SAT testing?	Yes												
EN-DC Carrier Aggregation Possible Combinations													
LTE Anchor Bands for NR band n2			LTE Band 5/12										
LTE Anchor Bands for NR band n5			LTE Band 2/7/30/48/66										
LTE Anchor Bands for NR band n12			LTE Band 2/66										
LTE Anchor Bands for NR band n25			LTE Band 12										
LTE Anchor Bands for NR band n41			LTE Band 2/25/26/41/66										
LTE Anchor Bands for NR band n66			LTE Band 5/12/13/48/71										
LTE Anchor Bands for NR band n71			LTE Band 2/7/66										
LTE Anchor Bands for NR band n77			LTE Band 41										

Notes:

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

6.6. Time-Average Feature

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

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

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

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

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

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

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

SAR Characterization

Exposure Scenario		factor	Head				Body-worn & Hotspot				P _{max} (dBm) Tune-up power table	
Spatial-average			1g				1g					
Test Distance			0 mm				5 mm					
Power Mode (DSI)			Mode A (DSI=0)				Mode B (DSI=1)					
Antenna	Tech/Band		P _{design} (dBm) corresponding to 10 W/kg (SAR design target)	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 10 W/kg (SAR design target)	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 10 W/kg (SAR design target)	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 10 W/kg (SAR design target)	P _{limit} (dBm) Tune-up power table		
	Transmit Average	Burst Average		Frame Average		Burst Average		Frame Average		Burst Average	Frame Average	
ANT1	GSM 850 2 slots ¹	0.25	37.40	32.50	31.38	26.48	32.86	31.50	26.84	25.48	32.50	26.48
	GSM 1900 2 slots ¹	0.25	37.09	31.00	31.07	24.98	24.02	23.75	18.00	17.73	31.00	24.98
	W-CDMA B2	1	27.38	25.70	27.38	25.70	17.84	17.50	17.84	17.50	25.70	25.70
	W-CDMA B4	1	29.97	25.70	29.97	25.70	18.57	18.50	18.57	18.50	25.70	25.70
	W-CDMA B5	1	30.36	25.70	30.36	25.70	26.25	25.25	26.25	25.25	25.70	25.70
	CDMA BC0	1	31.84	25.70	31.84	25.70	27.58	25.25	27.58	25.25	25.70	25.70
	CDMA BC1	1	28.35	25.70	28.35	25.70	17.78	17.50	17.78	17.50	25.70	25.70
	CDMA BC10	1	32.61	25.70	32.61	25.70	27.14	25.25	27.14	25.25	25.70	25.70
	LTE Band 5	1	30.85	25.70	30.85	25.70	26.13	25.25	26.13	25.25	25.70	25.70
	LTE Band 7	1	26.25	25.25	26.25	25.25	19.01	19.00	19.01	19.00	25.70	25.70
	LTE Band 12/17	1	32.91	25.70	32.91	25.70	28.41	25.70	28.41	25.70	25.70	25.70
	LTE Band 13	1	32.68	25.70	32.68	25.70	27.21	25.70	27.21	25.70	25.70	25.70
	LTE Band 14	1	32.22	25.70	32.22	25.70	27.55	25.70	27.55	25.70	25.70	25.70
	LTE Band 25/2	1	30.40	25.70	30.40	25.70	17.74	17.50	17.74	17.50	25.70	25.70
	LTE Band 26	1	30.95	25.70	30.95	25.70	26.35	25.25	26.35	25.25	25.70	25.70
	LTE Band 30	1	27.77	25.70	27.77	25.70	22.36	22.25	22.36	22.25	25.70	25.70
	LTE Band 41 ¹	0.633	26.78	25.70	24.80	23.71	22.51	22.50	20.53	20.51	25.70	23.71
	LTE Band 66/4	1	29.62	25.70	29.62	25.70	18.61	18.50	18.61	18.50	25.70	25.70
	LTE Band 71	1	33.47	25.70	33.47	25.70	29.53	25.70	29.53	25.70	25.70	25.70
	NR n5	1	32.89	25.70	32.89	25.70	29.27	25.25	29.27	25.25	25.70	25.70
NR n12	1	35.17	25.70	35.17	25.70	30.48	25.70	30.48	25.70	25.70	25.70	
NR n25/2	1	31.20	25.70	31.20	25.70	18.47	17.50	18.47	17.50	25.70	25.70	
NR n41 ¹	1	27.69	25.25	27.69	25.25	20.85	20.50	20.85	20.50	24.00	24.00	
NR n66	1	29.86	25.70	29.86	25.70	19.85	18.50	19.85	18.50	25.70	25.70	
NR n71	1	36.21	25.70	36.21	25.70	31.29	25.70	31.29	25.70	25.70	25.70	
Exposure Scenario		factor	Head				Body-worn & Hotspot				P _{max} (dBm) Tune-up power table	
Spatial-average			1g				1g					
Test Distance			0 mm				5 mm					
Power Mode (DSI)			Mode A (DSI=0)				Mode B (DSI=1)					
Antenna	Tech/Band		P _{design} (dBm) corresponding to 10 W/kg (SAR design target)	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 10 W/kg (SAR design target)	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 10 W/kg (SAR design target)	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 10 W/kg (SAR design target)	P _{limit} (dBm) Tune-up power table		
	Transmit Average	Burst Average		Frame Average		Burst Average		Frame Average		Burst Average	Frame Average	
ANT2	GSM 850 2 slots ¹	0.25	32.30	31.00	26.28	24.98	34.70	31.00	28.68	24.98	31.00	24.98
	GSM 1900 2 slots ¹	0.25	27.88	27.75	21.86	21.73	25.55	25.50	19.52	19.48	28.50	22.48
	W-CDMA B2	1	21.61	21.50	21.61	21.50	19.58	19.25	19.58	19.25	23.10	23.10
	W-CDMA B4	1	20.25	20.00	20.25	20.00	18.47	18.25	18.47	18.25	23.10	23.10
	W-CDMA B5	1	24.78	24.50	24.78	24.50	27.34	24.50	27.34	24.50	24.50	24.50
	CDMA BC0	1	24.85	24.50	24.85	24.50	27.77	24.50	27.77	24.50	24.50	24.50
	CDMA BC1	1	21.62	21.50	21.62	21.50	19.54	19.25	19.54	19.25	23.10	23.10
	CDMA BC10	1	25.30	24.50	25.30	24.50	28.54	24.50	28.54	24.50	24.50	24.50
	LTE Band 5	1	25.30	24.50	25.30	24.50	28.46	24.50	28.46	24.50	24.50	24.50
	LTE Band 7	1	19.02	19.00	19.02	19.00	19.27	19.25	19.27	19.25	22.80	22.80
	LTE Band 12/17	1	25.29	24.50	25.29	24.50	28.93	24.50	28.93	24.50	24.50	24.50
	LTE Band 13	1	26.22	24.50	26.22	24.50	28.99	24.50	28.99	24.50	24.50	24.50
	LTE Band 14	1	27.72	24.50	27.72	24.50	27.80	24.50	27.80	24.50	24.50	24.50
	LTE Band 25/2	1	21.62	21.50	21.62	21.50	19.29	19.25	19.29	19.25	23.10	23.10
	LTE Band 26	1	25.28	24.50	25.28	24.50	28.10	24.50	28.10	24.50	24.50	24.50
	LTE Band 30	1	19.00	18.50	19.00	18.50	19.55	19.50	19.55	19.50	22.80	22.80
	LTE Band 41 ¹	0.633	19.78	19.75	17.80	17.76	21.01	21.00	19.03	19.01	23.70	21.71
	LTE Band 66/4	1	20.58	20.00	20.58	20.00	18.30	18.25	18.30	18.25	23.10	23.10
	LTE Band 71	1	25.80	24.50	25.80	24.50	28.60	24.50	28.60	24.50	24.50	24.50
	NR n5	1	26.35	24.50	26.35	24.50	28.99	24.50	28.99	24.50	24.50	24.50
	NR n12	1	28.28	24.50	28.28	24.50	30.88	24.50	30.88	24.50	24.50	24.50
	NR n25/2	1	23.84	21.50	23.84	21.50	20.09	19.25	20.09	19.25	23.10	23.10
	NR n41 ¹	1	18.94	17.75	18.94	17.75	19.73	19.00	19.73	19.00	26.00	26.00
	NR n66	1	23.15	20.00	23.15	20.00	19.67	18.25	19.67	18.25	23.10	23.10
	NR n71	1	28.76	24.50	28.76	24.50	29.92	24.50	29.92	24.50	24.50	24.50

Exposure Scenario		factor	Head				Body-worn & Hotspot				P _{max} (dBm) Tune-up power table	
Spatial-average			1g				1g					
Test Distance			0 mm				5 mm					
Power Mode (DSI)			Mode A (DSI=0)				Mode B (DSI=1)					
Antenna	Tech/Band		P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table		
	Transmit Average	Burst Average		Frame Average		Burst Average		Frame Average		Burst Average	Frame Average	
ANT3	GSM 1900 2 slots ¹	0.25	32.40	30.00	26.38	23.98	27.57	27.50	21.55	21.48	30.00	23.98
	W-CDMA B2	1	25.85	24.70	25.85	24.70	21.03	21.00	21.03	21.00	24.70	24.70
	W-CDMA B4	1	26.97	24.70	26.97	24.70	20.81	20.75	20.81	20.75	24.70	24.70
	LTE Band 7	1	26.82	24.50	26.82	24.50	19.05	19.00	19.05	19.00	25.00	25.00
	LTE Band 25/2	1	25.87	24.70	25.87	24.70	21.28	21.25	21.28	21.25	25.00	25.00
	LTE Band 30	1	24.60	24.50	24.60	24.50	20.77	20.75	20.77	20.75	25.00	25.00
	LTE Band 41 ¹	0.633	26.34	24.70	24.35	22.71	21.78	21.75	19.79	19.76	25.00	23.01
	LTE Band 66/4	1	28.20	24.70	28.20	24.70	21.18	20.75	21.18	20.75	25.00	25.00
	NR n25/2	1	28.60	24.70	28.60	24.70	21.47	21.25	21.47	21.25	25.00	25.00
	NR n41 ¹	1	26.99	24.50	26.99	24.50	21.85	19.75	21.85	19.75	23.00	23.00
NR n66	1	31.44	24.70	31.44	24.70	23.26	20.75	23.26	20.75	25.00	25.00	
Exposure Scenario		factor	Head				Body-worn & Hotspot				P _{max} (dBm) Tune-up power table	
Spatial-average			1g				1g					
Test Distance			0 mm				5 mm					
Power Mode (DSI)			Mode A (DSI=0)				Mode B (DSI=1)					
Antenna	Tech/Band		P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table		
	Transmit Average	Burst Average		Frame Average		Burst Average		Frame Average		Burst Average	Frame Average	
ANT4	GSM 1900 2 slots ¹	0.25	26.82	26.75	20.80	20.73	28.20	28.00	22.18	21.98	28.00	21.98
	W-CDMA B2	1	20.42	20.25	20.42	20.25	22.60	22.50	22.60	22.50	22.70	22.70
	W-CDMA B4	1	20.02	20.00	20.02	20.00	21.59	21.25	21.59	21.25	22.70	22.70
	LTE Band 7	1	19.69	19.50	19.69	19.50	20.33	20.25	20.33	20.25	22.50	22.50
	LTE Band 25/2	1	20.84	20.50	20.84	20.50	21.76	21.75	21.76	21.75	23.00	23.00
	LTE Band 30	1	20.93	20.75	20.93	20.75	21.44	21.25	21.44	21.25	22.50	22.50
	LTE Band 41 ¹	0.633	21.29	21.25	19.30	19.26	22.48	22.20	20.49	20.21	22.50	20.51
	LTE Band 48 ¹	0.633	20.07	20.00	18.09	18.01	21.52	21.50	19.53	19.51	22.50	20.51
	LTE Band 66/4	1	20.47	20.00	20.47	20.00	21.47	21.25	21.47	21.25	23.00	23.00
	NR n25/2	1	21.76	20.50	21.76	20.50	24.28	21.75	24.28	21.75	23.00	23.00
NR n41 ¹	1	22.27	19.25	22.27	19.25	23.66	20.25	23.66	20.25	25.00	25.00	
NR n66	1	20.79	20.00	20.79	20.00	22.93	21.25	22.93	21.25	23.00	23.00	
NR n77 ¹	1	16.69	16.25	16.69	16.25	17.01	17.00	17.01	17.00	22.50	22.50	
Exposure Scenario		factor	Head				Body-worn & Hotspot				P _{max} (dBm) Tune-up power table	
Spatial-average			1g				1g					
Test Distance			0 mm				5 mm					
Power Mode (DSI)			Mode A (DSI=0)				Mode B (DSI=1)					
Antenna	Tech/Band		P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table		
	Transmit Average	Burst Average		Frame Average		Burst Average		Frame Average		Burst Average	Frame Average	
ANT7	LTE Band 48 ¹	0.633	26.69	25.70	24.70	23.71	21.51	21.50	19.52	19.51	22.00	23.71
	NR n77 ¹	1	25.71	25.70	25.71	25.70	19.78	19.75	19.78	19.75	25.70	25.70
Exposure Scenario		factor	Head				Body-worn & Hotspot				P _{max} (dBm) Tune-up power table	
Spatial-average			1g				1g					
Test Distance			0 mm				5 mm					
Power Mode (DSI)			Mode A (DSI=0)				Mode B (DSI=1)					
Antenna	Tech/Band		P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table		
	Transmit Average	Burst Average		Frame Average		Burst Average		Frame Average		Burst Average	Frame Average	
ANT8	LTE Band 48 ¹	0.633	20.35	20.25	18.36	18.26	21.73	21.50	19.74	19.51	22.80	20.81
	NR n77 ¹	1	18.01	18.00	18.01	18.00	18.53	18.50	18.53	18.50	22.80	22.80
Exposure Scenario		factor	Head				Body-worn & Hotspot				P _{max} (dBm) Tune-up power table	
Spatial-average			1g				1g					
Test Distance			0 mm				5 mm					
Power Mode (DSI)			Mode A (DSI=0)				Mode B (DSI=1)					
Antenna	Tech/Band		P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table	P _{design} (dBm) corresponding to 1.0 W/kg (SAR _{design_target})	P _{limit} (dBm) Tune-up power table		
	Transmit Average	Burst Average		Frame Average		Burst Average		Frame Average		Burst Average	Frame Average	
ANT9	LTE Band 48 ¹	0.633	29.09	25.70	27.11	23.71	23.00	23.00	21.02	21.01	24.60	22.61
	NR n77 ¹	1	29.09	25.70	29.09	25.70	21.11	20.75	21.11	20.75	26.00	26.00

Note(s):

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

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4. LTE B48 and 5G NR n41 was SAR tested at P_{limit} . Band 48 conducted power values are listed for information but this device will only transmit in this band up to P_{max} power levels. For these test configurations $P_{\text{max}} < P_{\text{limit}}$. Therefore, testing was conducted at a level higher than P_{max} .

7. RF Exposure Conditions (Test Configurations)

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

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

Note(s):

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

8. Dielectric Property Measurements & System Check

8.1. Dielectric Property Measurements

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

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

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

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

Tissue Dielectric Parameters

FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

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

IEEE Std 1528-2013

Refer to Table 3 within the IEEE Std 1528-2013

IEC 62209-1

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

Dielectric Property Measurements Results:

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
A	9/1/2020	3500	Head	3700	36.86	37.70	-2.23	3.16	3.12	1.31
				3900	36.44	37.47	-2.76	3.38	3.32	1.75
				4000	36.23	37.36	-3.02	3.49	3.42	1.95
A	9/9/2020	3500	Head	3700	36.72	37.70	-2.60	3.01	3.12	-3.47
				3900	36.36	37.47	-2.97	3.21	3.32	-3.25
				4000	36.17	37.36	-3.18	3.32	3.42	-3.16
A	9/12/2020	3500	Head	3500	39.16	37.93	3.24	2.82	2.91	-3.15
				3600	39.06	37.82	3.29	2.90	3.01	-3.88
				3700	38.76	37.70	2.81	3.02	3.12	-3.12
A	9/15/2020	1750	Head	1750	38.44	40.08	-4.10	1.34	1.37	-2.12
				1710	38.51	40.15	-4.08	1.31	1.35	-2.48
				1755	38.44	40.08	-4.08	1.34	1.37	-2.32
A	9/19/2020	1750	Head	1750	39.03	40.08	-2.63	1.34	1.37	-2.48
				1710	39.15	40.15	-2.48	1.31	1.35	-2.70
				1755	39.03	40.08	-2.61	1.34	1.37	-2.68
A	9/20/2020	1900	Head	1900	39.12	40.00	-2.20	1.39	1.40	-0.50
				1850	39.13	40.00	-2.17	1.34	1.40	-4.29
				1920	39.09	40.00	-2.27	1.40	1.40	-0.21
A	9/23/2020	1750	Head	1750	39.26	40.08	-2.06	1.35	1.37	-1.17
				1710	39.33	40.15	-2.03	1.32	1.35	-1.74
				1755	39.27	40.08	-2.01	1.36	1.37	-1.15
A	9/24/2020	1900	Head	1900	39.57	40.00	-1.08	1.45	1.40	3.64
				1850	39.67	40.00	-0.82	1.43	1.40	2.07
				1920	39.49	40.00	-1.28	1.46	1.40	4.57

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
B	9/1/2020	3900	Head	3700	38.94	37.70	3.29	3.22	3.12	3.33
				3900	38.43	37.47	2.55	3.45	3.32	3.77
				4000	38.26	37.36	2.41	3.55	3.42	3.82
B	9/5/2020	3900	Head	3700	37.90	37.70	0.53	3.16	3.12	1.24
				3900	37.43	37.47	-0.12	3.38	3.32	1.72
				4000	37.16	37.36	-0.53	3.50	3.42	2.33
B	9/5/2020	3500	Head	3500	38.32	37.93	1.03	2.96	2.91	1.59
				3600	38.07	37.82	0.67	3.07	3.01	1.79
				3700	37.90	37.70	0.53	3.16	3.12	1.24
B	9/9/2020	3500	Head	3700	38.66	37.70	2.54	3.00	3.12	-3.67
				3900	38.32	37.47	2.26	3.19	3.32	-3.97
				4000	38.18	37.36	2.20	3.30	3.42	-3.63
B	9/12/2020	3500	Head	3500	37.92	37.93	-0.03	2.78	2.91	-4.69
				3600	37.77	37.82	-0.12	2.88	3.01	-4.38
				3700	37.56	37.70	-0.38	2.98	3.12	-4.53
B	9/16/2020	3500	Head	3500	37.77	37.93	-0.42	2.89	2.91	-0.60
				3600	37.58	37.82	-0.62	3.00	3.01	-0.43
				3700	37.34	37.70	-0.96	3.11	3.12	-0.17
B	9/21/2020	3500	Head	3500	36.79	37.93	-3.00	2.94	2.91	0.84
				3600	36.33	37.82	-3.93	3.06	3.01	1.46
				3700	36.16	37.70	-4.09	3.13	3.12	0.31

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
C	8/24/2020	1750	Head	1750	40.60	40.08	1.29	1.36	1.37	-1.02
				1710	40.65	40.15	1.26	1.33	1.35	-1.07
				1755	40.59	40.08	1.28	1.37	1.37	-0.20
C	8/28/2020	1750	Head	1750	39.38	40.08	-1.76	1.34	1.37	-2.48
				1710	39.45	40.15	-1.73	1.31	1.35	-2.56
				1755	39.37	40.08	-1.76	1.34	1.37	-2.46
C	9/1/2020	1750	Head	1750	38.47	40.08	-4.03	1.32	1.37	-3.94
				1710	38.52	40.15	-4.05	1.29	1.35	-4.04
				1755	38.46	40.08	-4.03	1.32	1.37	-3.92
C	9/6/2020	2600	Head	2600	38.12	39.01	-2.28	1.91	1.96	-2.51
				2495	38.26	39.14	-2.26	1.81	1.85	-2.25
				2690	37.93	38.90	-2.49	1.97	2.06	-4.30
C	9/10/2020	2600	Head	2600	38.33	39.01	-1.75	1.95	1.96	-0.57
				2495	38.45	39.14	-1.77	1.86	1.85	0.78
				2690	38.15	38.90	-1.92	2.02	2.06	-1.72
C	9/14/2020	2600	Head	2600	38.86	39.01	-0.39	1.91	1.96	-2.51
				2495	39.02	39.14	-0.31	1.82	1.85	-1.39
				2690	38.66	38.90	-0.61	1.98	2.06	-3.91
C	9/18/2020	2600	Head	2600	37.88	39.01	-2.90	1.95	1.96	-0.47
				2495	38.04	39.14	-2.82	1.87	1.85	0.88
				2690	37.71	38.90	-3.05	2.02	2.06	-2.06
C	9/18/2020	1900	Head	1900	38.67	40.00	-3.33	1.36	1.40	-3.00
				1850	38.65	40.00	-3.38	1.33	1.40	-5.00
				1920	38.62	40.00	-3.45	1.35	1.40	-3.36
C	9/22/2020	2600	Head	2600	40.49	39.01	3.79	1.98	1.96	0.91
				2495	40.43	39.14	3.29	1.92	1.85	3.70
				2690	40.20	38.90	3.35	2.08	2.06	1.19
C	9/22/2020	1900	Head	1900	40.01	40.00	0.02	1.41	1.40	0.57
				1850	40.05	40.00	0.12	1.39	1.40	-1.07
				1920	39.93	40.00	-0.18	1.41	1.40	1.00

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
D	8/26/2020	2600	Head	2600	37.49	39.01	-3.90	1.90	1.96	-2.96
				2495	37.66	39.14	-3.79	1.82	1.85	-1.82
				2690	37.34	38.90	-4.00	1.98	2.06	-3.91
D	8/29/2020	2600	Head	2600	39.46	39.01	1.15	1.99	1.96	1.52
				2495	39.71	39.14	1.45	1.91	1.85	3.43
				2690	39.35	38.90	1.16	2.06	2.06	-0.07
D	9/3/2020	2600	Head	2600	38.19	39.01	-2.10	1.95	1.96	-0.47
				2495	38.48	39.14	-1.69	1.88	1.85	1.70
				2690	38.42	38.90	-1.23	2.02	2.06	-1.87
D	9/7/2020	2600	Head	2600	39.24	39.01	0.59	1.93	1.96	-1.74
				2495	39.35	39.14	0.53	1.84	1.85	-0.63
				2690	39.03	38.90	0.34	2.00	2.06	-2.74
D	9/11/2020	2600	Head	2600	38.04	39.01	-2.49	1.89	1.96	-3.52
				2495	38.18	39.14	-2.46	1.81	1.85	-2.31
				2690	37.85	38.90	-2.69	1.96	2.06	-4.68
D	9/15/2020	1900	Head	1900	41.75	40.00	4.38	1.39	1.40	-0.43
				1850	41.86	40.00	4.65	1.36	1.40	-2.57
				1920	41.72	40.00	4.30	1.40	1.40	0.14
D	9/19/2020	1900	Head	1900	39.34	40.00	-1.65	1.44	1.40	2.50
				1850	39.35	40.00	-1.63	1.40	1.40	0.00
				1920	39.31	40.00	-1.72	1.44	1.40	2.93
D	9/23/2020	1900	Head	1900	39.11	40.00	-2.23	1.41	1.40	0.79
				1850	39.08	40.00	-2.30	1.37	1.40	-2.21
				1920	39.06	40.00	-2.35	1.41	1.40	0.43

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
E	8/31/2020	2300	Head	2300	39.02	39.47	-1.15	1.62	1.66	-2.51
				2350	38.91	39.38	-1.21	1.67	1.71	-2.50
				2400	38.83	39.30	-1.19	1.70	1.75	-2.95
E	9/3/2020	2300	Head	2300	37.56	39.47	-4.85	1.68	1.66	1.22
				2350	37.45	39.38	-4.91	1.72	1.71	0.78
				2400	37.38	39.30	-4.88	1.76	1.75	0.31
E	9/8/2020	3500	Head	3700	37.22	37.70	-1.28	3.09	3.12	-0.97
				3900	36.81	37.47	-1.77	3.31	3.32	-0.48
				4000	36.61	37.36	-2.01	3.41	3.42	-0.38
E	9/12/2020	3500	Head	3500	39.82	37.93	4.98	2.90	2.91	-0.50
				3600	39.54	37.82	4.56	3.01	3.01	-0.26
				3700	39.36	37.70	4.40	3.10	3.12	-0.62
E	9/12/2020	3500	Head	3700	39.36	37.70	4.40	3.10	3.12	-0.62
				3900	38.93	37.47	3.89	3.32	3.32	0.06
				4000	38.72	37.36	3.64	3.44	3.42	0.58
E	9/15/2020	3500	Head	3500	36.51	37.93	-3.74	2.84	2.91	-2.42
				3600	36.11	37.82	-4.51	2.95	3.01	-2.15
				3700	36.06	37.70	-4.35	3.01	3.12	-3.34
E	9/15/2020	2450	Head	2450	37.73	39.20	-3.75	1.88	1.80	4.22
				2400	37.80	39.30	-3.81	1.83	1.75	4.42
				2480	37.76	39.16	-3.58	1.89	1.83	3.20
E	9/19/2020	3500	Head	3500	37.34	37.93	-1.55	2.92	2.91	0.15
				3400	37.55	38.04	-1.30	2.82	2.81	0.24
				3600	37.13	37.82	-1.81	3.02	3.01	0.04
E	9/19/2020	3500	Head	3700	36.90	37.70	-2.13	3.12	3.12	0.12
				3900	36.48	37.47	-2.65	3.35	3.32	0.82
				4000	36.29	37.36	-2.86	3.45	3.42	0.78
E	9/19/2020	2450	Head	2450	38.79	39.20	-1.05	1.80	1.80	0.17
				2400	38.90	39.30	-1.01	1.77	1.75	0.99
				2480	38.66	39.16	-1.28	1.82	1.83	-0.95
E	9/23/2020	3500	Head	3500	38.44	37.93	1.35	2.86	2.91	-1.87
				3400	38.68	38.04	1.67	2.75	2.81	-2.22
				3600	38.25	37.82	1.15	2.96	3.01	-1.89
E	9/23/2020	3700	Head	3700	38.04	37.70	0.90	3.06	3.12	-1.71
				3900	37.66	37.47	0.50	3.30	3.32	-0.78
				4000	37.51	37.36	0.40	3.39	3.42	-0.85

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
F	8/29/2020	5600	Head	5600	36.19	35.53	1.85	4.91	5.06	-2.95
				5500	36.39	35.65	2.08	4.77	4.96	-3.73
				5725	35.97	35.39	1.64	5.07	5.19	-2.37
F	9/6/2020	5600	Head	5600	34.25	35.53	-3.61	4.87	5.06	-3.80
				5500	34.36	35.65	-3.61	4.77	4.96	-3.75
				5725	34.00	35.39	-3.93	5.01	5.19	-3.53
F	9/10/2020	5600	Head	5600	34.22	35.53	-3.70	5.02	5.06	-0.74
				5500	34.41	35.65	-3.47	4.88	4.96	-1.59
				5725	33.97	35.39	-4.02	5.22	5.19	0.59
F	9/14/2020	5600	Head	5600	33.92	35.53	-4.54	4.90	5.06	-3.11
				5500	34.09	35.65	-4.37	4.79	4.96	-3.47
				5725	33.65	35.39	-4.92	5.06	5.19	-2.57
F	9/18/2020	5250	Head	5250	34.38	35.93	-4.32	4.79	4.70	1.91
				5150	34.63	36.05	-3.93	4.68	4.60	1.83
				5350	34.32	35.82	-4.19	4.86	4.80	1.05
F	9/18/2020	5600	Head	5600	33.83	35.53	-4.80	5.10	5.06	0.77
				5500	33.94	35.65	-4.79	5.02	4.96	1.27
				5725	33.68	35.39	-4.84	5.25	5.19	1.23
F	9/22/2020	5250	Head	5250	35.19	35.93	-2.07	4.63	4.70	-1.58
				5150	35.46	36.05	-1.63	4.51	4.60	-2.02
				5350	35.04	35.82	-2.18	4.71	4.80	-1.90
F	9/22/2020	5600	Head	5600	34.63	35.53	-2.54	4.97	5.06	-1.78
				5500	34.78	35.65	-2.43	4.88	4.96	-1.67
				5725	34.43	35.39	-2.72	5.12	5.19	-1.31
F	9/23/2020	2450	Head	2450	39.78	39.20	1.48	1.78	1.80	-1.06
				2400	39.79	39.30	1.26	1.75	1.75	-0.21
				2480	39.72	39.16	1.42	1.78	1.83	-2.92

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
G	9/3/2020	2450	Head	2450	40.15	39.20	2.42	1.80	1.80	-0.22
				2400	40.32	39.30	2.60	1.74	1.75	-0.49
				2480	40.06	39.16	2.29	1.81	1.83	-1.01
G	9/7/2020	2450	Head	2450	39.27	39.20	0.18	1.75	1.80	-2.61
				2400	39.38	39.30	0.21	1.70	1.75	-2.89
				2480	39.18	39.16	0.05	1.77	1.83	-3.35
G	9/11/2020	2450	Head	2450	38.43	39.20	-1.96	1.75	1.80	-2.89
				2400	38.54	39.30	-1.93	1.69	1.75	-3.41
				2480	38.32	39.16	-2.15	1.77	1.83	-3.57
G	9/15/2020	2450	Head	2450	40.85	39.20	4.21	1.79	1.80	-0.61
				2400	40.97	39.30	4.26	1.73	1.75	-1.06
				2480	40.72	39.16	3.98	1.81	1.83	-1.33
G	9/19/2020	2450	Head	2450	38.35	39.20	-2.17	1.79	1.80	-0.39
				2400	38.56	39.30	-1.87	1.74	1.75	-0.78
				2480	38.21	39.16	-2.43	1.81	1.83	-1.50
G	9/23/2020	2450	Head	2450	39.92	39.20	1.84	1.84	1.80	2.11
				2400	40.11	39.30	2.07	1.80	1.75	2.87
				2480	39.71	39.16	1.40	1.86	1.83	1.67

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
H	8/25/2020	5250	Head	5250	37.45	35.93	4.22	4.51	4.70	-4.02
				5150	37.63	36.05	4.39	4.40	4.60	-4.30
				5350	37.29	35.82	4.11	4.60	4.80	-4.21
H	8/25/2020	5750	Head	5750	36.78	35.36	4.01	5.02	5.21	-3.70
				5700	36.92	35.42	4.24	4.93	5.16	-4.43
				5850	36.69	35.30	3.94	5.09	5.27	-3.36
H	8/29/2020	5250	Head	5250	37.41	35.93	4.11	4.75	4.70	1.00
				5150	37.55	36.05	4.17	4.64	4.60	0.94
				5350	37.24	35.82	3.97	4.87	4.80	1.32
H	8/29/2020	5750	Head	5750	36.66	35.36	3.67	5.30	5.21	1.58
				5700	36.73	35.42	3.70	5.23	5.16	1.36
				5850	36.52	35.30	3.46	5.41	5.27	2.62
H	9/2/2020	5250	Head	5250	36.20	35.93	0.74	4.59	4.70	-2.36
				5150	36.36	36.05	0.87	4.49	4.60	-2.41
				5350	36.05	35.82	0.64	4.70	4.80	-2.19
H	9/2/2020	5750	Head	5750	35.48	35.36	0.33	5.11	5.21	-1.99
				5700	35.55	35.42	0.37	5.05	5.16	-2.12
				5850	35.36	35.30	0.17	5.22	5.27	-1.02
H	9/6/2020	5250	Head	5250	36.11	35.93	0.49	4.72	4.70	0.46
				5150	36.27	36.05	0.62	4.61	4.60	0.31
				5350	35.92	35.82	0.28	4.84	4.80	0.72
H	9/6/2020	5750	Head	5750	35.28	35.36	-0.23	5.27	5.21	1.14
				5700	35.37	35.42	-0.14	5.20	5.16	0.74
				5850	35.15	35.30	-0.42	5.37	5.27	1.94
H	9/10/2020	5250	Head	5250	36.45	35.93	1.44	4.64	4.70	-1.28
				5150	36.63	36.05	1.62	4.53	4.60	-1.45
				5350	36.30	35.82	1.34	4.74	4.80	-1.42
H	9/10/2020	5750	Head	5750	35.79	35.36	1.21	5.17	5.21	-0.76
				5700	35.87	35.42	1.27	5.11	5.16	-0.94
				5850	35.67	35.30	1.05	5.28	5.27	0.09
H	9/14/2020	5250	Head	5250	34.61	35.93	-3.68	4.66	4.70	-0.87
				5150	34.80	36.05	-3.46	4.54	4.60	-1.30
				5350	34.45	35.82	-3.82	4.77	4.80	-0.68
H	9/14/2020	5750	Head	5750	33.74	35.36	-4.59	5.24	5.21	0.48
				5700	33.85	35.42	-4.43	5.17	5.16	0.20
				5850	33.58	35.30	-4.87	5.35	5.27	1.48
H	9/18/2020	5250	Head	5250	37.38	35.93	4.03	4.51	4.70	-4.09
				5150	37.61	36.05	4.34	4.42	4.60	-4.00
				5350	37.24	35.82	3.97	4.61	4.80	-4.05
H	9/18/2020	5750	Head	5750	36.68	35.36	3.72	5.04	5.21	-3.39
				5700	36.80	35.42	3.90	4.99	5.16	-3.30
				5850	36.61	35.30	3.71	5.14	5.27	-2.45
H	9/22/2020	5250	Head	5250	36.97	35.93	2.89	4.63	4.70	-1.56
				5150	37.16	36.05	3.09	4.53	4.60	-1.58
				5350	36.87	35.82	2.93	4.72	4.80	-1.80
H	9/22/2020	5750	Head	5750	36.27	35.36	2.57	5.13	5.21	-1.61
				5700	36.37	35.42	2.68	5.08	5.16	-1.64
				5850	36.14	35.30	2.38	5.23	5.27	-0.80

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
1	9/4/2020	750	Head	750	42.02	41.96	0.14	0.92	0.89	3.03
				660	43.54	42.42	2.63	0.91	0.89	2.14
				800	41.92	41.71	0.52	0.94	0.90	4.65
1	9/4/2020	835	Head	835	40.63	41.50	-2.10	0.91	0.90	1.64
				805	40.51	41.68	-2.81	0.90	0.90	-0.17
				850	40.66	41.50	-2.02	0.92	0.92	0.72
1	9/7/2020	835	Head	835	42.70	41.50	2.89	0.87	0.90	-3.18
				805	43.02	41.68	3.22	0.87	0.90	-2.76
				850	42.58	41.50	2.60	0.87	0.92	-4.46
1	9/11/2020	835	Head	835	41.40	41.50	-0.24	0.93	0.90	3.12
				805	41.49	41.68	-0.45	0.92	0.90	2.63
				850	41.36	41.50	-0.34	0.93	0.92	1.87
1	9/15/2020	835	Head	835	40.72	41.50	-1.88	0.95	0.90	6.08
				805	40.80	41.68	-2.11	0.95	0.90	5.33
				850	40.65	41.50	-2.05	0.96	0.92	4.80

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
2	9/8/2020	2300	Head	2300	37.85	39.47	-4.11	1.77	1.66	6.33
				2350	37.91	39.38	-3.74	1.81	1.71	5.93
				2400	37.87	39.30	-3.63	1.84	1.75	4.87
2	9/9/2020	2300	Head	2300	39.50	39.47	0.07	1.71	1.66	2.78
				2350	39.40	39.38	0.04	1.75	1.71	2.36
				2400	39.31	39.30	0.03	1.78	1.75	1.73
2	9/14/2020	2300	Head	2300	38.56	39.47	-2.31	1.72	1.66	3.14
				2350	38.29	39.38	-2.78	1.76	1.71	2.95
				2400	38.21	39.30	-2.77	1.81	1.75	3.22
2	9/14/2020	750	Head	750	42.17	41.96	0.50	0.89	0.89	-0.53
				660	42.39	42.42	-0.08	0.84	0.89	-4.69
				800	41.61	41.71	-0.23	0.91	0.90	1.68
2	9/17/2020	1750	Head	1750	38.72	40.08	-3.40	1.23	1.37	-9.86
				1710	38.85	40.15	-3.23	1.22	1.35	-9.61
				1755	38.71	40.08	-3.41	1.25	1.37	-9.02
2	9/23/2020	750	Head	750	41.13	41.96	-1.98	0.91	0.89	1.72
				660	41.60	42.42	-1.94	0.87	0.89	-1.45
				800	40.93	41.71	-1.86	0.92	0.90	2.97

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
3	8/31/2020	2600	Head	2600	38.97	39.01	-0.10	1.92	1.96	-2.05
				2495	39.11	39.14	-0.08	1.84	1.85	-0.36
				2690	38.80	38.90	-0.25	2.00	2.06	-3.08
3	9/4/2020	2600	Head	2600	37.97	39.01	-2.67	1.93	1.96	-1.74
				2495	38.12	39.14	-2.61	1.84	1.85	-0.41
				2690	37.80	38.90	-2.82	2.00	2.06	-3.03
3	9/7/2020	2600	Head	2600	39.01	39.01	0.00	1.96	1.96	-0.16
				2495	39.28	39.14	0.35	1.88	1.85	1.64
				2690	38.84	38.90	-0.15	2.04	2.06	-0.99
3	9/18/2020	2600	Head	2600	37.95	39.01	-2.72	1.97	1.96	0.40
				2495	38.01	39.14	-2.90	1.89	1.85	2.35
				2690	37.75	38.90	-2.95	2.04	2.06	-0.85
3	9/22/2020	2600	Head	2600	38.49	39.01	-1.34	1.93	1.96	-1.54
				2495	38.62	39.14	-1.34	1.85	1.85	-0.14
				2690	38.15	38.90	-1.92	1.99	2.06	-3.18

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
4	8/31/2020	1900	Head	1900	39.82	40.00	-0.45	1.45	1.40	3.79
				1850	39.95	40.00	-0.12	1.42	1.40	1.14
				1920	39.79	40.00	-0.53	1.46	1.40	4.57
4	9/4/2020	1900	Head	1900	38.54	40.00	-3.65	1.44	1.40	2.57
				1850	38.65	40.00	-3.38	1.41	1.40	0.79
				1920	38.50	40.00	-3.75	1.45	1.40	3.29
4	9/7/2020	1900	Head	1900	40.42	40.00	1.05	1.38	1.40	-1.43
				1850	40.41	40.00	1.02	1.35	1.40	-3.29
				1920	40.39	40.00	0.98	1.39	1.40	-1.00
4	9/17/2020	1900	Head	1900	38.84	40.00	-2.90	1.45	1.40	3.57
				1850	38.94	40.00	-2.65	1.42	1.40	1.64
				1920	38.79	40.00	-3.03	1.45	1.40	3.86
4	9/21/2020	1900	Head	1900	39.41	40.00	-1.48	1.46	1.40	4.29
				1850	39.49	40.00	-1.28	1.42	1.40	1.64
				1920	39.39	40.00	-1.53	1.47	1.40	4.79

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
5	9/2/2020	2300	Head	2300	38.56	39.47	-2.31	1.69	1.66	1.76
				2350	38.50	39.38	-2.25	1.73	1.71	1.54
				2400	38.30	39.30	-2.54	1.76	1.75	0.71
5	9/11/2020	835	Head	835	39.91	41.50	-3.83	0.94	0.90	4.21
				805	39.93	41.68	-4.20	0.93	0.90	3.11
				850	39.87	41.50	-3.93	0.94	0.92	3.18

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
6	8/24/2020	750	Head	750	39.87	41.96	-4.98	0.91	0.89	1.69
				660	43.19	42.42	1.81	0.88	0.89	-0.18
				800	39.93	41.71	-4.26	0.92	0.90	2.41
6	9/1/2020	1900	Head	1900	39.59	40.00	-1.02	1.40	1.40	0.00
				1850	39.68	40.00	-0.80	1.38	1.40	-1.71
				1920	39.54	40.00	-1.15	1.41	1.40	0.86
6	9/5/2020	1900	Head	1900	39.25	40.00	-1.88	1.41	1.40	0.57
				1850	39.50	40.00	-1.25	1.38	1.40	-1.57
				1920	39.23	40.00	-1.93	1.42	1.40	1.71

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L1	9/13/2020	3500	Head	3500	38.04	37.93	0.29	2.79	2.91	-4.24
				3700	37.66	37.70	-0.11	2.97	3.12	-4.72
				3600	37.89	37.82	0.20	2.87	3.01	-4.64
L1	9/16/2020	3500	Head	3500	36.73	37.93	-3.16	2.86	2.91	-1.94
				3700	36.29	37.70	-3.74	3.04	3.12	-2.32
				3600	36.49	37.82	-3.51	2.96	3.01	-1.95
L1	9/21/2020	3500	Head	3500	36.52	37.93	-3.72	2.83	2.91	-2.94
				3700	36.00	37.70	-4.51	3.00	3.12	-3.60
				3600	36.18	37.82	-4.32	2.94	3.01	-2.42

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L2	9/1/2020	2600	Head	2600	40.60	39.01	4.07	2.01	1.96	2.49
				2495	40.66	39.14	3.87	1.94	1.85	4.78
				2690	40.33	38.90	3.68	2.10	2.06	1.77
L2	9/7/2020	2600	Head	2600	38.91	39.01	-0.26	2.02	1.96	2.69
				2495	39.12	39.14	-0.06	1.93	1.85	4.56
				2690	38.74	38.90	-0.40	2.10	2.06	2.07
L2	9/19/2020	2600	Head	2600	39.16	39.01	0.38	1.95	1.96	-0.72
				2495	39.33	39.14	0.48	1.87	1.85	0.88
				2690	38.99	38.90	0.24	2.02	2.06	-1.87
L2	9/22/2020	2600	Head	2600	38.21	39.01	-2.05	1.95	1.96	-0.87
				2495	38.33	39.14	-2.08	1.86	1.85	0.83
				2690	38.01	38.90	-2.28	2.02	2.06	-2.16
L2	9/23/2020	2300	Head	2300	38.70	39.47	-1.96	1.70	1.66	2.18
				2350	38.57	39.38	-2.07	1.75	1.71	2.48
				2400	38.52	39.30	-1.98	1.79	1.75	2.13

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L3	8/30/2020	3500	Head	3500	39.34	37.93	3.72	2.91	2.91	-0.12
				3400	39.66	38.04	4.25	2.84	2.81	0.92
				3600	39.27	37.82	3.85	3.00	3.01	-0.43
L3	9/2/2020	3500	Head	3500	39.27	37.93	3.53	2.85	2.91	-2.15
				3700	38.87	37.70	3.09	3.05	3.12	-2.06
				3600	39.04	37.82	3.24	2.95	3.01	-2.22
L3	9/18/2020	3500	Head	3500	36.35	37.93	-4.16	2.88	2.91	-1.02
				3700	35.89	37.70	-4.79	3.08	3.12	-1.16
				3600	36.06	37.82	-4.64	2.99	3.01	-0.66

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L4	9/7/2020	1750	Head	1750	38.99	40.08	-2.73	1.41	1.37	3.00
				1710	39.06	40.15	-2.71	1.39	1.35	3.16
				1755	38.99	40.08	-2.71	1.41	1.37	2.93
L4	9/7/2020	3500	Head	3500	39.30	37.93	3.61	2.84	2.91	-2.32
				3600	39.07	37.82	3.32	2.92	3.01	-3.12
				3700	39.07	37.70	3.63	3.01	3.12	-3.31
L4	9/13/2020	1900	Head	1900	40.84	40.00	2.10	1.43	1.40	2.43
				1850	40.94	40.00	2.35	1.40	1.40	-0.21
				1920	40.78	40.00	1.95	1.44	1.40	2.93
L4	9/17/2020	1900	Head	1900	40.71	40.00	1.78	1.41	1.40	0.57
				1850	40.81	40.00	2.03	1.38	1.40	-1.43
				1920	40.65	40.00	1.63	1.42	1.40	1.07
L4	9/21/2020	1900	Head	1900	39.52	40.00	-1.20	1.44	1.40	3.07
				1850	39.62	40.00	-0.95	1.41	1.40	0.71
				1920	39.50	40.00	-1.25	1.45	1.40	3.71

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (ϵ_r)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L6	8/27/2020	750	Head	750	41.09	41.96	-2.08	0.88	0.89	-1.87
				660	41.44	42.42	-2.32	0.86	0.89	-3.39
				800	41.28	41.71	-1.02	0.90	0.90	0.54
L6	8/31/2020	750	Head	750	40.45	41.96	-3.60	0.91	0.89	2.29
				660	40.52	42.42	-4.49	0.88	0.89	-0.30
				800	40.15	41.71	-3.73	0.93	0.90	3.94
L6	9/4/2020	750	Head	750	39.90	41.96	-4.91	0.88	0.89	-1.58
				660	44.48	42.42	4.85	0.85	0.89	-3.62
				800	40.50	41.71	-2.89	0.89	0.90	-0.85
L6	9/11/2020	835	Head	835	41.41	41.50	-0.22	0.93	0.90	3.07
				805	41.51	41.68	-0.41	0.92	0.90	2.61
				850	41.36	41.50	-0.34	0.93	0.92	1.85

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 $\pm$ 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 $\geq$ 15.0 cm for SAR measurements $\leq$ 3 GHz and $\geq$ 10.0 cm for measurements $>$ 3 GHz.
- The DASY system with an E-Field Probe was used for the measurements.
- The dipole was mounted on the small tripod so that the dipole feed point was positioned below the center marking of the flat phantom section and the dipole was oriented parallel to the body axis (the long side of the phantom). The standard measuring distance was 10 mm (above 1 GHz) and 15 mm (below 1 GHz) from dipole center to the simulating liquid surface.
- The coarse grid with a grid spacing of 15 mm was aligned with the dipole.
For 5 GHz band - The coarse grid with a grid spacing of 10 mm was aligned with the dipole.
- Special 7x7x7 (below 3 GHz) and/or 8x8x7 (above 3 GHz) fine cube was chosen for the cube.
- Distance between probe sensors and phantom surface was set to 3 mm.
For 5 GHz band - Distance between probe sensors and phantom surface was set to 2.5 mm
- The dipole input power (forward power) was 100 mW.
- The results are normalized to 1 W input power.

System Check Results

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

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta $\pm 10\%$	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta $\pm 10\%$	
A	9/1/2020	Head	D3900V2 SN:1052	8/3/2021	7.140	71.40	70.10	1.85	2.540	25.40	24.30	4.53	
A	9/9/2020	Head	D3900V2 SN:1052	8/3/2021	7.190	71.90	70.10	2.57	2.610	26.10	24.30	7.41	1,2
A	9/12/2020	Head	D3500V2 SN:1011	4/17/2021	7.110	71.10	68.87	3.24	2.730	27.30	26.47	3.14	3,4
A	9/12/2020	Head	D3700V2 SN:1039	5/11/2021	6.670	66.70	67.00	-0.45	2.490	24.90	24.10	3.32	5,6
A	9/15/2020	Head	D1750V2 SN:1050	4/21/2021	3.830	38.30	35.51	7.86	2.040	20.40	18.91	7.88	
A	9/19/2020	Head	D1750V2 SN:1050	4/21/2021	3.810	38.10	35.51	7.29	2.000	20.00	18.91	5.76	
A	9/20/2020	Head	D1900V2 SN:5d140	4/21/2021	4.030	40.30	38.77	3.95	2.080	20.80	19.90	4.52	7,8
A	9/23/2020	Head	D1750V2 SN:1050	4/21/2021	3.880	38.80	35.51	9.26	2.040	20.40	18.91	7.88	9,10
A	9/24/2020	Head	D1900V2 SN:5d140	4/21/2021	3.730	37.30	38.77	-3.79	1.930	19.30	19.90	-3.02	

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta $\pm 10\%$	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta $\pm 10\%$	
B	9/1/2020	Head	D3900V2 SN:1052	8/3/2021	6.720	67.20	70.10	-4.14	2.520	25.20	24.30	3.70	11,12
B	9/5/2020	Head	D3900V2 SN:1052	8/3/2021	7.060	70.60	70.10	0.71	2.660	26.60	24.30	9.47	
B	9/5/2020	Head	D3500V2 SN:1060	3/12/2021	6.450	64.50	64.89	-0.60	2.620	26.20	24.80	5.65	
B	9/5/2020	Head	D3700V2 SN:1039	5/11/2021	6.540	65.40	67.00	-2.39	2.590	25.90	24.10	7.47	
B	9/9/2020	Head	D3900V2 SN:1052	8/3/2021	6.920	69.20	70.10	-1.28	2.600	26.00	24.30	7.00	
B	9/12/2020	Head	D3500V2 SN:1011	4/17/2021	6.360	63.60	68.87	-7.65	2.570	25.70	26.47	-2.91	13,14
B	9/12/2020	Head	D3700V2 SN:1039	5/11/2021	6.780	67.80	67.00	1.19	2.650	26.50	24.10	9.96	
B	9/16/2020	Head	D3500V2 SN:1011	4/17/2021	6.590	65.90	68.87	-4.31	2.660	26.60	26.47	0.49	
B	9/16/2020	Head	D3700V2 SN:1039	5/11/2021	6.590	65.90	67.00	-1.64	2.600	26.00	24.10	7.88	
B	9/21/2020	Head	D3500V2 SN:1011	4/17/2021	6.640	66.40	68.87	-3.59	2.710	27.10	26.47	2.38	
B	9/21/2020	Head	D3700V2 SN:1039	5/11/2021	6.470	64.70	67.00	-3.43	2.580	25.80	24.10	7.05	15,16

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta $\pm 10\%$	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta $\pm 10\%$	
C	8/24/2020	Head	D1750V2 SN:1050	4/21/2021	3.310	33.10	35.51	-6.79	1.870	18.70	18.91	-1.11	
C	8/28/2020	Head	D1750V2 SN:1050	4/21/2021	3.820	38.20	35.51	7.58	2.010	20.10	18.91	6.29	17,18
C	9/1/2020	Head	D1750V2 SN:1050	4/21/2021	3.460	34.60	35.51	-2.56	1.820	18.20	18.91	-3.75	
C	9/6/2020	Head	D2600V2 SN:1036	4/17/2021	5.490	54.90	56.53	-2.88	2.460	24.60	25.23	-2.50	
C	9/10/2020	Head	D2600V2 SN:1036	4/17/2021	5.710	57.10	56.53	1.01	2.550	25.50	25.23	1.07	
C	9/14/2020	Head	D2600V2 SN:1036	4/17/2021	5.300	53.00	56.53	-6.24	2.400	24.00	25.23	-4.88	
C	9/18/2020	Head	D2600V2 SN:1036	4/17/2021	5.340	53.40	56.53	-5.54	2.390	23.90	25.23	-5.27	
C	9/18/2020	Head	D1900V2 SN:5d140	4/21/2021	4.000	40.00	38.77	3.17	2.070	20.70	19.90	4.02	19,20
C	9/22/2020	Head	D2600V2 SN:1036	4/17/2021	6.050	60.50	56.53	7.02	2.710	27.10	25.23	7.41	21,22
C	9/22/2020	Head	D1900V2 SN:5d140	4/21/2021	3.930	39.30	38.77	1.37	2.020	20.20	19.90	1.51	

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
D	8/26/2020	Head	D2600V2 SN:1036	4/17/2021	6.040	60.40	56.53	6.85	2.670	26.70	25.23	5.83	
D	8/29/2020	Head	D2600V2 SN:1036	4/17/2021	5.660	56.60	56.53	0.12	2.530	25.30	25.23	0.28	
D	9/3/2020	Head	D2600V2 SN:1036	4/17/2021	5.680	56.80	56.53	0.48	2.610	26.10	25.23	3.45	
D	9/7/2020	Head	D2600V2 SN:1036	4/17/2021	6.170	61.70	56.53	9.15	2.750	27.50	25.23	9.00	23,24
D	9/11/2020	Head	D2600V2 SN:1036	4/17/2021	5.510	55.10	56.53	-2.53	2.450	24.50	25.23	-2.89	
D	9/15/2020	Head	D1900V2 SN:5d140	4/21/2021	3.810	38.10	38.77	-1.73	2.080	20.80	19.90	4.52	
D	9/19/2020	Head	D1900V2 SN:5d140	4/21/2021	3.860	38.60	38.77	-0.44	1.990	19.90	19.90	0.00	
D	9/23/2020	Head	D1900V2 SN:5d140	4/21/2021	3.770	37.70	38.77	-2.76	1.930	19.30	19.90	-3.02	25,26

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	8/31/2020	Head	D2300V2 SN:1002	4/17/2021	5.040	50.40	51.75	-2.61	2.410	24.10	24.12	-0.08	27,28
E	9/3/2020	Head	D2300V2 SN:1002	4/17/2021	5.050	50.50	49.76	1.49	2.400	24.00	23.64	1.52	
E	9/8/2020	Head	D3900V2 SN:1052	8/3/2021	7.110	71.10	70.10	1.43	2.590	25.90	24.30	6.58	
E	9/12/2020	Head	D3500V2 SN:1011	4/17/2021	6.360	63.60	68.87	-7.65	2.470	24.70	26.47	-6.69	
E	9/12/2020	Head	D3700V2 SN:1039	5/11/2021	6.520	65.20	67.00	-2.69	2.450	24.50	24.10	1.66	
E	9/12/2020	Head	D3900V2 SN:1052	8/3/2021	6.740	67.40	70.10	-3.85	2.410	24.10	24.30	-0.82	29,30
E	9/15/2020	Head	D3500V2 SN:1011	4/17/2021	6.230	62.30	68.87	-9.54	2.430	24.30	26.47	-8.20	31,32
E	9/15/2020	Head	D2450V2 SN:899	4/17/2021	5.510	55.10	51.75	6.47	2.620	26.20	24.12	8.62	33,34
E	9/19/2020	Head	D3500V2 SN:1011	4/17/2021	7.100	71.00	68.87	3.09	2.780	27.80	26.47	5.02	
E	9/19/2020	Head	D3700V2 SN:1039	5/11/2021	6.770	67.70	67.00	1.04	2.570	25.70	24.10	6.64	
E	9/19/2020	Head	D2450V2 SN:899	4/17/2021	5.480	54.80	51.75	5.89	2.550	25.50	24.12	5.72	
E	9/23/2020	Head	D3500V2 SN:1011	4/17/2021	7.160	71.60	68.87	3.96	2.800	28.00	26.47	5.78	
E	9/23/2020	Head	D3700V2 SN:1039	5/11/2021	6.910	69.10	67.00	3.13	2.620	26.20	24.10	8.71	35,36

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
F	8/29/2020	Head	D5GHzV2 SN:1003 (5.60 GHz)	3/12/2021	7.640	76.40	79.80	-4.26	2.180	21.80	22.50	-3.11	
F	9/6/2020	Head	D5GHzV2 SN:1003 (5.60 GHz)	3/12/2021	8.200	82.00	79.80	2.76	2.360	23.60	22.50	4.89	
F	9/10/2020	Head	D5GHzV2 SN:1003 (5.60 GHz)	3/12/2021	7.200	72.00	79.80	-9.77	2.210	22.10	22.50	-1.78	37,38
F	9/14/2020	Head	D5GHzV2 SN:1003 (5.60 GHz)	3/12/2021	7.540	75.40	79.80	-5.51	2.320	23.20	22.50	3.11	
F	9/18/2020	Head	D5GHzV2 SN:1003 (5.25 GHz)	3/12/2021	7.990	79.90	80.10	-0.25	2.370	23.70	22.90	3.49	
F	9/18/2020	Head	D5GHzV2 SN:1003 (5.60 GHz)	3/12/2021	8.180	81.80	79.80	2.51	2.400	24.00	22.50	6.67	
F	9/22/2020	Head	D5GHzV2 SN:1003 (5.25 GHz)	3/12/2021	8.170	81.70	80.10	2.00	2.430	24.30	22.90	6.11	39,40
F	9/22/2020	Head	D5GHzV2 SN:1003 (5.60 GHz)	3/12/2021	8.370	83.70	79.80	4.89	2.460	24.60	22.50	9.33	
F	9/23/2020	Head	D2450V2 SN:899	4/17/2021	5.380	53.80	51.75	3.96	2.520	25.20	24.12	4.48	41,42

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	9/3/2020	Head	D2450V2 SN:899	4/17/2021	5.480	54.80	51.75	5.89	2.500	25.00	24.12	3.65	
G	9/7/2020	Head	D2450V2 SN:748	3/12/2021	5.350	53.50	54.14	-1.18	2.430	24.30	25.24	-3.72	
G	9/11/2020	Head	D2450V2 SN:899	4/17/2021	5.210	52.10	51.75	0.68	2.400	24.00	24.12	-0.50	
G	9/15/2020	Head	D2450V2 SN:899	4/17/2021	5.190	51.90	51.75	0.29	2.350	23.50	24.12	-2.57	
G	9/19/2020	Head	D2450V2 SN:899	4/17/2021	4.850	48.50	51.75	-6.28	2.230	22.30	24.12	-7.55	
G	9/23/2020	Head	D2450V2 SN:899	4/17/2021	5.550	55.50	51.75	7.25	2.600	26.00	24.12	7.79	43,44

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
H	8/25/2020	Head	D5GHZV2 SN:1168 (5.2 GHz)	11/23/2020	7.660	76.60	79.20	-3.28	2.210	22.10	22.50	-1.78	
H	8/25/2020	Head	D5GHZV2 SN:1168 (5.8 GHz)	11/23/2020	7.580	75.80	79.60	-4.77	2.170	21.70	22.40	-3.13	
H	8/29/2020	Head	D5GHZV2 SN:1168 (5.2 GHz)	11/23/2020	7.570	75.70	79.20	-4.42	2.190	21.90	22.50	-2.67	
H	8/29/2020	Head	D5GHZV2 SN:1168 (5.8 GHz)	11/23/2020	7.210	72.10	79.60	-9.42	2.070	20.70	22.40	-7.59	45,46
H	9/2/2020	Head	D5GHZV2 SN:1168 (5.2 GHz)	11/23/2020	7.700	77.00	79.20	-2.78	2.230	22.30	22.50	-0.89	
H	9/2/2020	Head	D5GHZV2 SN:1168 (5.8 GHz)	11/23/2020	7.720	77.20	79.60	-3.02	2.240	22.40	22.40	0.00	
H	9/6/2020	Head	D5GHZV2 SN:1168 (5.2 GHz)	11/23/2020	7.960	79.60	79.20	0.51	2.310	23.10	22.50	2.67	
H	9/6/2020	Head	D5GHZV2 SN:1168 (5.8 GHz)	11/23/2020	8.290	82.90	79.60	4.15	2.400	24.00	22.40	7.14	
H	9/10/2020	Head	D5GHZV2 SN:1168 (5.2 GHz)	11/23/2020	7.190	71.90	79.20	-9.22	2.090	20.90	22.50	-7.11	47,48
H	9/10/2020	Head	D5GHZV2 SN:1168 (5.8 GHz)	11/23/2020	7.890	78.90	79.60	-0.88	2.300	23.00	22.40	2.68	
H	9/14/2020	Head	D5GHZV2 SN:1168 (5.2 GHz)	11/23/2020	7.280	72.80	79.20	-8.08	2.120	21.20	22.50	-5.78	
H	9/14/2020	Head	D5GHZV2 SN:1168 (5.8 GHz)	11/23/2020	7.960	79.60	79.60	0.00	2.310	23.10	22.40	3.13	
H	9/18/2020	Head	D5GHZV2 SN:1168 (5.2 GHz)	11/23/2020	7.940	79.40	79.20	0.25	2.310	23.10	22.50	2.67	
H	9/18/2020	Head	D5GHZV2 SN:1168 (5.8 GHz)	11/23/2020	7.880	78.80	79.60	-1.01	2.300	23.00	22.40	2.68	
H	9/22/2020	Head	D5GHZV2 SN:1168 (5.2 GHz)	11/23/2020	7.240	72.40	79.20	-8.59	2.100	21.00	22.50	-6.67	
H	9/22/2020	Head	D5GHZV2 SN:1168 (5.8 GHz)	11/23/2020	8.300	83.00	79.60	4.27	2.400	24.00	22.40	7.14	

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
1	9/4/2020	Head	D750V3 SN:1071	11/20/2020	0.828	8.28	8.52	-2.82	0.569	5.69	5.56	2.34	49,50
1	9/4/2020	Head	D835V2 SN:4d002	11/20/2020	0.997	9.97	9.78	1.94	0.669	6.69	6.37	5.02	
1	9/7/2020	Head	D835V2 SN:4d142	8/18/2021	0.947	9.47	9.36	1.18	0.660	6.60	6.09	8.37	
1	9/11/2020	Head	D835V2 SN:4d002	11/20/2020	0.978	9.78	9.78	0.00	0.690	6.90	6.37	8.32	
1	9/15/2020	Head	D835V2 SN:4d002	11/20/2020	1.050	10.50	9.78	7.36	0.692	6.92	6.37	8.63	51,52

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
2	9/8/2020	Head	D2300V2 SN:1058	10/14/2020	5.130	51.30	48.70	5.34	2.440	24.40	23.70	2.95	
2	9/14/2020	Head	D2300V2 SN:1058	10/14/2020	5.190	51.90	48.70	6.57	2.470	24.70	23.70	4.22	53,54
2	9/14/2020	Head	D750V3 SN:1071	11/20/2020	0.832	8.32	8.52	-2.35	0.543	5.43	5.56	-2.34	
2	9/17/2020	Head	D1750V2 SN:1053	10/10/2020	3.500	35.00	37.20	-5.91	1.850	18.50	19.60	-5.61	55,56
2	9/23/2020	Head	D750V3 SN:1071	11/20/2020	0.828	8.28	8.52	-2.82	0.539	5.39	5.56	-3.06	57,58

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
3	8/31/2020	Head	D2600V2 SN:1006	10/14/2020	5.840	58.40	55.70	4.85	2.630	26.30	25.10	4.78	
3	9/4/2020	Head	D2600V2 SN:1036	4/17/2021	5.600	56.00	56.53	-0.94	2.510	25.10	25.23	-0.52	
3	9/7/2020	Head	D2600V2 SN:1036	4/17/2021	5.910	59.10	56.53	4.55	2.640	26.40	25.23	4.64	
3	9/18/2020	Head	D2600V2 SN:1006	10/14/2020	5.990	59.90	55.70	7.54	2.690	26.90	25.10	7.17	59,60
3	9/22/2020	Head	D2600V2 SN:1006	10/14/2020	5.100	51.00	55.70	-8.44	2.310	23.10	25.10	-7.97	

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 %	
4	8/31/2020	Head	D1900V2 SN:5d163	10/14/2020	4.150	41.50	40.30	2.98	2.140	21.40	21.10	1.42	
4	9/4/2020	Head	D1900V2 SN:5d163	10/14/2020	4.370	43.70	40.30	8.44	2.260	22.60	21.10	7.11	61,62
4	9/7/2020	Head	D1900V2 SN:5d163	10/14/2020	3.900	39.00	40.30	-3.23	2.030	20.30	21.10	-3.79	
4	9/17/2020	Head	D1900V2 SN:5d163	10/14/2020	4.030	40.30	40.30	0.00	2.090	20.90	21.10	-0.95	
4	9/21/2020	Head	D1900V2 SN:5d163	10/14/2020	4.120	41.20	40.30	2.23	2.130	21.30	21.10	0.95	

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 %	
5	9/2/2020	Head	D2300V2 SN:1058	10/14/2020	5.150	51.50	48.70	5.75	2.440	24.40	23.70	2.95	63,64
5	9/11/2020	Head	D835V2 SN:4d142	8/18/2021	1.020	10.20	9.36	8.97	0.660	6.60	6.09	8.37	65,66

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	8/24/2020	Head	D750V3 SN:1071	11/20/2020	0.804	8.04	8.52	-5.63	0.526	5.26	5.56	-5.40	67,68
6	9/1/2020	Head	D1900V2 SN:5d043	11/20/2020	4.170	41.70	40.40	3.22	2.180	21.80	21.10	3.32	
6	9/5/2020	Head	D1900V2 SN:5d043	11/20/2020	4.360	43.60	40.40	7.92	2.260	22.60	21.10	7.11	69,70

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
L1	9/13/2020	Head	D3500V2 SN:1060	3/12/2021	6.980	69.80	64.89	7.57	2.720	27.20	24.80	9.68	
L1	9/13/2020	Head	D3700V2 SN:1039	5/11/2021	6.640	66.40	67.00	-0.90	2.450	24.50	24.10	1.66	71,72
L1	9/16/2020	Head	D3500V2 SN:1060	3/12/2021	6.050	60.50	64.89	-6.77	2.360	23.60	24.80	-4.84	
L1	9/16/2020	Head	D3700V2 SN:1039	5/11/2021	6.990	69.90	67.00	4.33	2.620	26.20	24.10	8.71	
L1	9/21/2020	Head	D3700V2 SN:1039	5/11/2021	6.670	66.70	67.00	-0.45	2.500	25.00	24.10	3.73	
L1	9/21/2020	Head	D3500V2 SN:1060	3/12/2021	5.960	59.60	64.89	-8.15	2.330	23.30	24.80	-6.05	73,74

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
L2	9/1/2020	Head	D2600V2 SN:1006	10/14/2020	5.880	58.80	55.70	5.57	2.640	26.40	25.10	5.18	75,76
L2	9/7/2020	Head	D2600V2 SN:1036	4/17/2021	5.780	57.80	56.53	2.25	2.570	25.70	25.23	1.86	
L2	9/19/2020	Head	D2600V2 SN:1006	10/14/2020	5.790	57.90	55.70	3.95	2.590	25.90	25.10	3.19	
L2	9/22/2020	Head	D2600V2 SN:1006	10/14/2020	5.380	53.80	55.70	-3.41	2.410	24.10	25.10	-3.98	
L2	9/23/2020	Head	D2300V2 SN:1058	10/14/2020	4.730	47.30	48.70	-2.87	2.260	22.60	23.70	-4.64	77,78

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
L3	8/30/2020	Head	D3500V2 SN:1060	3/12/2021	6.690	66.90	64.89	3.10	2.620	26.20	24.80	5.65	
L3	8/30/2020	Head	D3700V2 SN:1039	5/11/2021	6.830	68.30	67.00	1.94	2.590	25.90	24.10	7.47	
L3	9/2/2020	Head	D3500V2 SN:1060	3/12/2021	5.980	59.80	64.89	-7.84	2.350	23.50	24.80	-5.24	79,80
L3	9/2/2020	Head	D3700V2 SN:1039	5/11/2021	6.580	65.80	67.00	-1.79	2.460	24.60	24.10	2.07	
L3	9/18/2020	Head	D3500V2 SN:1060	3/12/2021	6.110	61.10	64.89	-5.84	2.400	24.00	24.80	-3.23	
L3	9/18/2020	Head	D3700V2 SN:1039	5/11/2021	7.110	71.10	67.00	6.12	2.650	26.50	24.10	9.96	81,82

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
L4	9/7/2020	Head	D3500V2 SN:1060	3/12/2021	6.500	65.00	64.89	0.17	2.490	24.90	24.80	0.40	83,84
L4	9/7/2020	Head	D1750V2 SN:1077	10/10/2020	3.860	38.60	37.00	4.32	2.050	20.50	19.40	5.67	85,86
L4	9/13/2020	Head	D1900V2 SN:5d163	10/14/2020	3.880	38.80	40.30	-3.72	2.000	20.00	21.10	-5.21	87,88
L4	9/17/2020	Head	D1900V2 SN:5d163	10/14/2020	3.960	39.60	40.30	-1.74	2.050	20.50	21.10	-2.84	
L4	9/21/2020	Head	D1900V2 SN:5d163	10/14/2020	4.050	40.50	40.30	0.50	2.090	20.90	21.10	-0.95	

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
L6	8/27/2020	Head	D750V3 SN:1071	11/20/2020	0.817	8.17	8.52	-4.11	0.532	5.32	5.56	-4.32	
L6	8/31/2020	Head	D750V3 SN:1071	11/20/2020	0.824	8.24	8.52	-3.29	0.539	5.39	5.56	-3.06	
L6	9/4/2020	Head	D750V3 SN:1071	11/20/2020	0.786	7.86	8.52	-7.75	0.513	5.13	5.56	-7.73	89,90
L6	9/11/2020	Head	D835V2 SN:4d142	8/18/2021	0.963	9.63	9.36	2.88	0.627	6.27	6.09	2.96	91,92

9. Conducted Output Power Measurements

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

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

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

9.1. GSM

Per KDB 941225 D01 3G SAR Procedures:

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

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

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

Per October 2013 TCB Workshop:

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

Maximum Output Power (Tune-up Limit) for GSM

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

RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
GSM850	Voice/GPRS (1 slot)	33.50	33.50	32.00	32.00				
	GPRS 2 slots	32.50	31.50	31.00	31.00				
	EGPRS 1 slot	28.00	28.00	26.50	26.50				
	EGPRS 2 slots	27.00	27.00	25.50	25.50				
GSM1900	Voice/GPRS (1 slot)	32.00	26.75	29.50	28.50	31.00	30.50	29.00	29.00
	GPRS 2 slots	31.00	23.75	27.75	25.50	30.00	27.50	26.75	28.00
	EGPRS 1 slot	27.00	26.75	24.50	24.50	26.00	26.00	24.00	24.00
	EGPRS 2 slots	26.00	23.75	23.50	23.50	25.00	25.00	23.00	23.00

GSM850 Measured Results (ANT1)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	128	824.2	33.11	24.08	33.50	24.47	33.16	24.13	33.50	24.47
			190	836.6	32.74	23.70			32.54	23.51		
			251	848.8	33.47	24.44			33.42	24.39		
		2	128	824.2	31.53	25.51	32.50	26.48	30.95	24.93	31.50	25.48
			190	836.6	32.45	26.43			31.45	25.43		
			251	848.8	31.61	25.59			30.72	24.70		
EDGE (8PSK)	MCS5	1	128	824.2	27.22	18.19	28.00	18.97	27.86	18.83	28.00	18.97
			190	836.6	27.86	18.82			27.94	18.91		
			251	848.8	27.80	18.77			27.51	18.48		
		2	128	824.2	26.37	20.35	27.00	20.98	26.72	20.70	27.00	20.98
			190	836.6	26.65	20.63			26.31	20.29		
			251	848.8	26.48	20.46			26.50	20.48		

Note(s):

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

GSM850 Measured Results (ANT2)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	128	824.20	31.90	22.87	32.00	22.97	31.90	22.87	32.00	22.97
			190	836.60	32.00	22.97			32.00	22.97		
			251	848.80	32.00	22.97			32.00	22.97		
		2	128	824.20	31.00	24.98	31.00	24.98	31.00	24.98	31.00	24.98
			190	836.60	31.00	24.98			31.00	24.98		
			251	848.80	31.00	24.98			31.00	24.98		
EDGE (8PSK)	MCS5	1	128	824.20	26.40	17.37	26.50	17.47	26.40	17.37	26.50	17.47
			190	836.60	26.40	17.37			26.40	17.37		
			251	848.80	26.30	17.27			26.30	17.27		
		2	128	824.20	25.50	19.48	25.50	19.48	25.50	19.48	25.50	19.48
			190	836.60	25.50	19.48			25.50	19.48		
			251	848.80	25.40	19.38			25.40	19.38		

Note(s):

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

GSM1900 Measured Results (ANT1)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	512	1850.2	31.42	22.39	32.00	22.97	26.19	17.16	26.75	17.72
			661	1880.0	31.69	22.66			26.60	17.57		
			810	1909.8	31.09	22.06			26.46	17.43		
		2	512	1850.2	30.55	24.53	31.00	24.98	23.30	17.28	23.75	17.73
			661	1880.0	30.82	24.80			23.65	17.63		
			810	1909.8	30.49	24.47			23.06	17.04		
EDGE (8PSK)	MCS5	1	512	1850.2	26.76	17.73	27.00	17.97	26.61	17.58	26.75	17.72
			661	1880.0	26.34	17.30			26.59	17.56		
			810	1909.8	26.40	17.37			26.22	17.19		
		2	512	1850.2	25.06	19.04	26.00	19.98	23.46	17.44	23.75	17.73
			661	1880.0	25.60	19.58			23.62	17.60		
			810	1909.8	25.39	19.37			23.55	17.53		

Note(s):

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

GSM1900 Measured Results (ANT2)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	512	1850.2	28.83	19.80	29.50	20.47	27.71	18.68	28.50	19.47
			661	1880.0	28.72	19.69			28.03	19.00		
			810	1909.8	29.19	20.16			27.79	18.76		
		2	512	1850.2	27.60	21.58	27.75	21.73	24.92	18.90	25.50	19.48
			661	1880.0	27.15	21.13			25.39	19.37		
			810	1909.8	27.35	21.33			24.96	18.94		
EDGE (8PSK)	MCS5	1	512	1850.2	23.56	14.53	24.50	15.47	23.56	14.53	24.50	15.47
			661	1880.0	24.12	15.09			24.12	15.09		
			810	1909.8	24.50	15.47			24.50	15.47		
		2	512	1850.2	23.36	17.34	23.50	17.48	23.36	17.34	23.50	17.48
			661	1880.0	22.76	16.74			22.76	16.74		
			810	1909.8	23.12	17.10			23.12	17.10		

Note(s):

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

GSM1900 Measured Results (ANT3)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	512	1850.2	30.30	21.27	31.00	21.97	29.50	20.47	30.50	21.47
			661	1880.0	30.83	21.80			29.54	20.51		
			810	1909.8	30.70	21.67			29.51	20.48		
		2	512	1850.2	29.10	23.08	30.00	23.98	27.39	21.37	27.50	21.48
			661	1880.0	29.14	23.12			27.42	21.40		
			810	1909.8	29.10	23.08			27.40	21.38		
EDGE (8PSK)	MCS5	1	512	1850.2	25.50	16.47	26.00	16.97	25.50	16.47	26.00	16.97
			661	1880.0	25.71	16.68			25.71	16.68		
			810	1909.8	25.93	16.90			25.93	16.90		
		2	512	1850.2	24.14	18.12	25.00	18.98	24.14	18.12	25.00	18.98
			661	1880.0	24.22	18.20			24.22	18.20		
			810	1909.8	24.09	18.07			24.09	18.07		

Note(s):

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

GSM1900 Measured Results (ANT4)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	512	1850.2	28.93	19.90	29.00	19.97	28.47	19.44	29.00	19.97
			661	1880.0	28.24	19.21			28.19	19.16		
			810	1909.8	28.52	19.49			28.07	19.04		
		2	512	1850.2	26.68	20.66	26.75	20.73	27.89	21.87	28.00	21.98
			661	1880.0	26.70	20.68			27.94	21.92		
			810	1909.8	26.70	20.68			27.88	21.86		
EDGE (8PSK)	MCS5	1	512	1850.2	23.42	14.39	24.00	14.97	23.42	14.39	24.00	14.97
			661	1880.0	23.61	14.58			23.61	14.58		
			810	1909.8	23.50	14.47			23.50	14.47		
		2	512	1850.2	22.52	16.50	23.00	16.98	22.52	16.50	23.00	16.98
			661	1880.0	22.48	16.46			22.48	16.46		
			810	1909.8	22.61	16.59			22.61	16.59		

Note(s):

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

9.2. W-CDMA

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

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

Release 99 Setup Procedures used to establish the test signals

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

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

HSDPA Setup Procedures used to establish the test signals

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

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

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

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$.

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

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

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

HSUPA Setup Procedures used to establish the test signals

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

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

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note 1)	β_{ec}	β_{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	209/25	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed1}: 47/15$ $\beta_{ed2}: 47/15$	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15	0	-	-	5/15	5/15	47/15	4	1	1.0	0.0	12	67

Note 1: For sub-test 1 to 4, Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$. For sub-test 5, Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 5/15$ with $\beta_{HS} = 5/15 * \beta_c$.

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{HS}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPCCH and E-DPCCH the MPR is based on the relative CM difference.

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

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

Note 5: β_{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-DPCCH power scaling at max power which could results in slightly smaller MPR values.

DC-HSDPA Setup Procedures used to establish the test signals

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

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

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

HSPA+ Setup Procedures used to establish the test signals

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

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

Sub-test	β_c (Note 3)	β_d	β_{HS} (Note 1)	β_{ec}	β_{ed} (2xSF2) (Note 4)	β_{ed} (2xSF4) (Note 4)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 4)	E-TFCI (Note 5)	E-TFCI (boost)
1	1	0	30/15	30/15	β_{ed1} : 30/15 β_{ed2} : 30/15	β_{ed3} : 24/15 β_{ed4} : 24/15	3.5	2.5	14	105	105
Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$. Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0). Note 3: CM is not configured, therefore the β_c is set to 1 and $\beta_d = 0$ by default. Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value. Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signalled to use the extrapolation algorithm.											

Maximum Output Power (Tune-up Limit) for W-CDMA

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

RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
W-CDMA Band 2	R99	25.70	17.50	21.50	19.25	24.70	21.00	20.25	22.50
	HSDPA	25.70	17.50	21.50	19.25	24.70	21.00	20.25	22.50
	HSUPA	25.70	17.50	21.50	19.25	24.70	21.00	20.25	22.50
	DC-HSDPA	25.70	17.50	21.50	19.25	24.70	21.00	20.25	22.50
	HSPA+	25.70	17.50	21.50	19.25	24.70	21.00	20.25	22.50
W-CDMA Band 4	R99	25.70	18.50	20.00	18.25	24.70	20.75	20.00	21.25
	HSDPA	25.70	18.50	20.00	18.25	24.70	20.75	20.00	21.25
	HSUPA	25.70	18.50	20.00	18.25	24.70	20.75	20.00	21.25
	DC-HSDPA	25.70	18.50	20.00	18.25	24.70	20.75	20.00	21.25
	HSPA+	25.70	18.50	20.00	18.25	24.70	20.75	20.00	21.25
W-CDMA Band 5	R99	25.70	25.25	24.50	24.50				
	HSDPA	25.70	25.25	24.50	24.50				
	HSUPA	25.70	25.25	24.50	24.50				
	DC-HSDPA	25.70	25.25	24.50	24.50				
	HSPA+	25.70	25.25	24.50	24.50				

W-CDMA Band 2 Measured Results (ANT1)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pw r	MPR	Tune-up Limit	Measured Pw r	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.40	25.00	N/A	25.70	17.13	N/A	17.50
		9400	1880.00	25.08			17.12		
		9538	1907.60	24.91			16.99		
HSDPA	Subtest 1	9262	1852.40	24.96	0.00	25.70	17.11	0.00	17.50
		9400	1880.00	24.91			17.11		
		9538	1907.60	24.72			16.98		
	Subtest 2	9262	1852.40	24.94	0.00	25.70	17.11	0.00	17.50
		9400	1880.00	24.91			17.12		
		9538	1907.60	24.81			16.97		
	Subtest 3	9262	1852.40	24.39	0.50	25.20	17.00	0.50	17.00
		9400	1880.00	24.37			16.99		
		9538	1907.60	24.30			16.85		
	Subtest 4	9262	1852.40	24.46	0.50	25.20	16.99	0.50	17.00
		9400	1880.00	24.37			17.00		
		9538	1907.60	24.25			16.85		
HSPA+	Subtest 1	9262	1852.40	24.88	0.00	25.70	17.09	0.00	17.50
		9400	1880.00	24.87			17.07		
		9538	1907.60	24.76			16.90		
	Subtest 2	9262	1852.40	22.97	2.00	23.70	15.49	2.00	15.50
		9400	1880.00	22.91			15.47		
		9538	1907.60	22.78			15.42		
	Subtest 3	9262	1852.40	23.88	1.00	24.70	16.47	1.00	16.50
		9400	1880.00	23.89			16.45		
		9538	1907.60	23.75			16.33		
	Subtest 4	9262	1852.40	22.87	2.00	23.70	15.38	2.00	15.50
		9400	1880.00	22.86			15.37		
		9538	1907.60	22.79			15.31		
	Subtest 5	9262	1852.40	25.37	0.00	25.70	16.68	0.00	17.50
		9400	1880.00	25.27			16.68		
		9538	1907.60	25.13			16.88		
DC-HSDPA	Subtest 1	9262	1852.40	24.88	0.00	25.70	17.12	0.00	17.50
		9400	1880.00	24.95			17.12		
		9538	1907.60	24.78			16.96		
	Subtest 2	9262	1852.40	24.95	0.00	25.70	17.11	0.00	17.50
		9400	1880.00	24.89			17.09		
		9538	1907.60	24.80			16.95		
	Subtest 3	9262	1852.40	24.39	0.50	25.20	16.61	0.50	17.00
		9400	1880.00	24.40			16.60		
		9538	1907.60	24.28			16.64		
	Subtest 4	9262	1852.40	24.43	0.50	25.20	16.55	0.50	17.00
		9400	1880.00	24.38			16.61		
		9538	1907.60	24.20			16.45		
HSPA+	Subtest 1	9262	1852.40	22.89	2.50	23.20	14.50	2.50	15.00
		9400	1880.00	22.97			14.70		
		9538	1907.60	23.05			14.65		

W-CDMA Band 2 Measured Results (ANT2)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pw r	MPR	Tune-up Limit	Measured Pw r	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	20.95	N/A	21.50	18.50	N/A	19.25
		9400	1880.0	21.12			18.50		
		9538	1907.6	20.71			18.50		
HSDPA	Subtest 1	9262	1852.4	21.05	0.00	21.50	18.50	0.00	19.25
		9400	1880.0	21.01			18.50		
		9538	1907.6	20.82			18.50		
	Subtest 2	9262	1852.4	21.01	0.00	21.50	18.50	0.00	19.25
		9400	1880.0	20.95			18.50		
		9538	1907.6	20.79			18.50		
	Subtest 3	9262	1852.4	20.53	0.50	21.00	18.25	0.50	18.75
		9400	1880.0	20.45			18.25		
		9538	1907.6	20.30			18.25		
	Subtest 4	9262	1852.4	20.51	0.50	21.00	18.25	0.50	18.75
		9400	1880.0	20.44			18.25		
		9538	1907.6	20.30			18.25		
HSPA+	Subtest 1	9262	1852.4	21.03	0.00	21.50	18.50	0.00	19.25
		9400	1880.0	20.98			18.50		
		9538	1907.6	20.82			18.50		
	Subtest 2	9262	1852.4	19.04	2.00	19.50	17.22	2.00	17.25
		9400	1880.0	18.96			17.14		
		9538	1907.6	18.82			17.12		
	Subtest 3	9262	1852.4	20.04	1.00	20.50	18.25	1.00	18.25
		9400	1880.0	19.96			18.15		
		9538	1907.6	19.81			18.05		
	Subtest 4	9262	1852.4	19.05	2.00	19.50	16.99	2.00	17.25
		9400	1880.0	19.00			17.06		
		9538	1907.6	18.82			17.16		
	Subtest 5	9262	1852.4	20.59	0.00	21.50	18.50	0.00	19.25
		9400	1880.0	20.52			18.50		
		9538	1907.6	20.54			18.50		
DC-HSDPA	Subtest 1	9262	1852.4	21.05	0.00	21.50	18.86	0.00	19.25
		9400	1880.0	21.02			18.79		
		9538	1907.6	20.83			18.65		
	Subtest 2	9262	1852.4	21.03	0.00	21.50	19.11	0.00	19.25
		9400	1880.0	20.93			19.18		
		9538	1907.6	20.81			19.17		
	Subtest 3	9262	1852.4	20.54	0.50	21.00	18.49	0.50	18.75
		9400	1880.0	20.45			18.72		
		9538	1907.6	20.30			18.46		
	Subtest 4	9262	1852.4	20.54	0.50	21.00	18.56	0.50	18.75
		9400	1880.0	20.44			18.71		
		9538	1907.6	20.30			18.54		
HSPA+	Subtest 1	9262	1852.4	18.76	2.50	19.00	16.74	2.50	16.75
		9400	1880.0	18.78			16.72		
		9538	1907.6	18.88			16.62		

W-CDMA Band 2 Measured Results (ANT3)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pw r	MPR	Tune-up Limit	Measured Pw r	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	24.10	N/A	24.70	20.95	N/A	21.00
		9400	1880.0	24.16			20.95		
		9538	1907.6	24.03			20.94		
HSDPA	Subtest 1	9262	1852.4	23.99	0.00	24.70	20.40	0.00	21.00
		9400	1880.0	23.82			20.37		
		9538	1907.6	23.76			20.21		
	Subtest 2	9262	1852.4	23.95	0.00	24.70	20.45	0.00	21.00
		9400	1880.0	23.87			20.34		
		9538	1907.6	23.75			20.23		
	Subtest 3	9262	1852.4	23.43	0.50	24.20	19.93	0.50	20.50
		9400	1880.0	23.28			19.84		
		9538	1907.6	23.21			19.75		
	Subtest 4	9262	1852.4	23.46	0.50	24.20	19.96	0.50	20.50
		9400	1880.0	23.39			19.84		
		9538	1907.6	23.21			19.69		
HSUPA	Subtest 1	9262	1852.4	23.93	0.00	24.70	20.46	0.00	21.00
		9400	1880.0	23.86			20.29		
		9538	1907.6	23.71			20.23		
	Subtest 2	9262	1852.4	21.91	2.00	22.70	18.46	2.00	19.00
		9400	1880.0	21.90			18.33		
		9538	1907.6	21.76			18.28		
	Subtest 3	9262	1852.4	22.93	1.00	23.70	19.39	1.00	20.00
		9400	1880.0	22.90			19.34		
		9538	1907.6	22.73			19.22		
	Subtest 4	9262	1852.4	21.93	2.00	22.70	18.39	2.00	19.00
		9400	1880.0	21.86			18.29		
		9538	1907.6	21.78			18.22		
	Subtest 5	9262	1852.4	23.86	0.00	24.70	21.00	0.00	21.00
		9400	1880.0	23.82			20.88		
		9538	1907.6	23.71			20.82		
DC-HSDPA	Subtest 1	9262	1852.4	24.01	0.00	24.70	20.42	0.00	21.00
		9400	1880.0	23.88			20.31		
		9538	1907.6	23.75			20.27		
	Subtest 2	9262	1852.4	23.91	0.00	24.70	20.42	0.00	21.00
		9400	1880.0	23.86			20.33		
		9538	1907.6	23.73			20.28		
	Subtest 3	9262	1852.4	23.47	0.50	24.20	19.91	0.50	20.50
		9400	1880.0	23.40			19.83		
		9538	1907.6	23.22			19.74		
	Subtest 4	9262	1852.4	23.43	0.50	24.20	19.95	0.50	20.50
		9400	1880.0	23.33			19.84		
		9538	1907.6	23.21			19.70		
HSPA+	Subtest 1	9262	1852.4	21.45	2.50	22.20	18.27	2.50	18.50
		9400	1880.0	21.33			18.20		
		9538	1907.6	21.27			18.08		

W-CDMA Band 2 Measured Results (ANT4)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pw r	MPR	Tune-up Limit	Measured Pw r	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	19.80	N/A	20.25	22.49	N/A	22.50
		9400	1880.0	20.00			22.43		
		9538	1907.6	19.90			22.37		
HSDPA	Subtest 1	9262	1852.4	20.25	0.00	20.25	22.46	0.00	22.50
		9400	1880.0	20.17			22.40		
		9538	1907.6	20.01			22.38		
	Subtest 2	9262	1852.4	20.22	0.00	20.25	22.50	0.00	22.50
		9400	1880.0	20.18			22.44		
		9538	1907.6	19.98			22.34		
	Subtest 3	9262	1852.4	19.60	0.50	19.75	21.90	0.50	22.00
		9400	1880.0	19.58			21.89		
		9538	1907.6	19.50			21.85		
	Subtest 4	9262	1852.4	19.74	0.50	19.75	21.97	0.50	22.00
		9400	1880.0	19.65			21.92		
		9538	1907.6	19.54			21.81		
HSUPA	Subtest 1	9262	1852.4	20.17	0.00	20.25	22.47	0.00	22.50
		9400	1880.0	20.16			22.44		
		9538	1907.6	20.08			22.34		
	Subtest 2	9262	1852.4	18.22	2.00	18.25	20.49	2.00	20.50
		9400	1880.0	18.13			20.48		
		9538	1907.6	18.09			20.40		
	Subtest 3	9262	1852.4	19.14	1.00	19.25	21.50	1.00	21.50
		9400	1880.0	19.09			21.40		
		9538	1907.6	18.99			21.43		
	Subtest 4	9262	1852.4	18.15	2.00	18.25	20.49	2.00	20.50
		9400	1880.0	18.14			20.46		
		9538	1907.6	17.98			20.41		
	Subtest 5	9262	1852.4	19.74	0.00	20.25	22.03	0.00	22.50
		9400	1880.0	19.75			22.11		
		9538	1907.6	19.59			21.90		
DC-HSDPA	Subtest 1	9262	1852.4	20.13	0.00	20.25	22.49	0.00	22.50
		9400	1880.0	20.11			22.49		
		9538	1907.6	19.90			22.48		
	Subtest 2	9262	1852.4	20.11	0.00	20.25	22.49	0.00	22.50
		9400	1880.0	20.02			22.47		
		9538	1907.6	19.99			22.50		
	Subtest 3	9262	1852.4	19.67	0.50	19.75	21.96	0.50	22.00
		9400	1880.0	19.52			21.95		
		9538	1907.6	19.46			21.90		
	Subtest 4	9262	1852.4	19.62	0.50	19.75	21.98	0.50	22.00
		9400	1880.0	19.56			21.98		
		9538	1907.6	19.39			21.97		
HSPA+	Subtest 1	9262	1852.4	17.55	2.50	17.75	19.88	2.50	20.00
		9400	1880.0	17.32			19.58		
		9538	1907.6	17.17			19.37		

W-CDMA Band 4 Measured Results (ANT1)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pw r	MPR	Tune-up Limit	Measured Pw r	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.40	24.95	N/A	25.70	17.70	N/A	18.50
		1413	1732.60	25.10			17.75		
		1513	1752.60	25.11			17.70		
HSDPA	Subtest 1	1312	1712.40	25.23	0.00	25.70	17.70	0.00	18.50
		1413	1732.60	25.42			17.56		
		1513	1752.60	25.41			17.60		
	Subtest 2	1312	1712.40	25.24	0.00	25.70	17.70	0.00	18.50
		1413	1732.60	25.42			17.55		
		1513	1752.60	25.40			17.60		
	Subtest 3	1312	1712.40	24.72	0.50	25.20	17.22	0.50	18.00
		1413	1732.60	24.93			17.06		
		1513	1752.60	24.91			17.09		
	Subtest 4	1312	1712.40	24.77	0.50	25.20	17.29	0.50	18.00
		1413	1732.60	24.92			17.06		
		1513	1752.60	24.93			17.06		
HSUPA	Subtest 1	1312	1712.40	25.28	0.00	25.70	17.69	0.00	18.50
		1413	1732.60	25.45			17.54		
		1513	1752.60	25.41			17.57		
	Subtest 2	1312	1712.40	23.22	2.00	23.70	15.60	2.00	16.50
		1413	1732.60	23.45			15.52		
		1513	1752.60	23.43			15.56		
	Subtest 3	1312	1712.40	24.21	1.00	24.70	16.58	1.00	17.50
		1413	1732.60	24.37			16.56		
		1513	1752.60	24.41			16.58		
	Subtest 4	1312	1712.40	23.34	2.00	23.70	15.50	2.00	16.50
		1413	1732.60	23.39			15.54		
		1513	1752.60	23.45			15.57		
	Subtest 5	1312	1712.40	24.83	0.00	25.70	17.57	0.00	18.50
		1413	1732.60	24.99			17.58		
		1513	1752.60	25.04			17.65		
DC-HSDPA	Subtest 1	1312	1712.40	25.19	0.00	25.70	17.50	0.00	18.50
		1413	1732.60	25.28			17.50		
		1513	1752.60	25.34			17.50		
	Subtest 2	1312	1712.40	25.12	0.00	25.70	17.50	0.00	18.50
		1413	1732.60	25.26			17.50		
		1513	1752.60	25.36			17.50		
	Subtest 3	1312	1712.40	24.67	0.50	25.20	17.43	0.50	18.00
		1413	1732.60	24.86			17.60		
		1513	1752.60	24.83			17.59		
	Subtest 4	1312	1712.40	24.65	0.50	25.20	17.41	0.50	18.00
		1413	1732.60	24.81			17.56		
		1513	1752.60	24.85			17.57		
HSPA+	Subtest 1	1312	1712.40	22.66	2.50	23.20	15.34	2.50	16.00
		1413	1732.60	22.35			15.76		
		1513	1752.60	22.80			15.50		

W-CDMA Band 4 Measured Results (ANT2)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pw r	MPR	Tune-up Limit	Measured Pw r	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	19.56	N/A	20.00	18.21	N/A	18.25
		1413	1732.6	19.70			18.17		
		1513	1752.6	19.60			18.18		
HSDPA	Subtest 1	1312	1712.4	19.86	0.00	20.00	18.21	0.00	18.25
		1413	1732.6	19.80			18.15		
		1513	1752.6	19.82			18.18		
	Subtest 2	1312	1712.4	19.86	0.00	20.00	18.21	0.00	18.25
		1413	1732.6	19.78			18.15		
		1513	1752.6	19.84			18.20		
	Subtest 3	1312	1712.4	19.35	0.50	19.50	17.62	0.50	17.75
		1413	1732.6	19.28			17.64		
		1513	1752.6	19.33			17.66		
	Subtest 4	1312	1712.4	19.34	0.50	19.50	17.65	0.50	17.75
		1413	1732.6	19.28			17.65		
		1513	1752.6	19.30			17.68		
HSUPA	Subtest 1	1312	1712.4	19.83	0.00	20.00	18.21	0.00	18.25
		1413	1732.6	19.78			18.15		
		1513	1752.6	19.81			18.18		
	Subtest 2	1312	1712.4	17.85	2.00	18.00	16.19	2.00	16.25
		1413	1732.6	17.80			16.18		
		1513	1752.6	17.83			16.21		
	Subtest 3	1312	1712.4	18.85	1.00	19.00	17.18	1.00	17.25
		1413	1732.6	18.80			17.16		
		1513	1752.6	18.85			17.20		
	Subtest 4	1312	1712.4	17.85	2.00	18.00	16.21	2.00	16.25
		1413	1732.6	17.79			16.16		
		1513	1752.6	17.82			16.22		
	Subtest 5	1312	1712.4	19.41	0.00	20.00	17.75	0.00	18.25
		1413	1732.6	19.37			17.73		
		1513	1752.6	19.39			17.75		
DC-HSDPA	Subtest 1	1312	1712.4	19.88	0.00	20.00	17.87	0.00	18.25
		1413	1732.6	19.82			17.82		
		1513	1752.6	19.86			17.83		
	Subtest 2	1312	1712.4	19.88	0.00	20.00	18.16	0.00	18.25
		1413	1732.6	19.81			18.10		
		1513	1752.6	19.83			18.12		
	Subtest 3	1312	1712.4	19.36	0.50	19.50	17.67	0.50	17.75
		1413	1732.6	19.29			17.58		
		1513	1752.6	19.32			17.62		
	Subtest 4	1312	1712.4	19.37	0.50	19.50	17.68	0.50	17.75
		1413	1732.6	19.28			17.60		
		1513	1752.6	19.31			17.56		
HSPA+	Subtest 1	1312	1712.4	17.27	2.50	17.50	15.68	2.50	15.75
		1413	1732.6	17.22			15.63		
		1513	1752.6	17.36			15.75		

W-CDMA Band 4 Measured Results (ANT3)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pw r	MPR	Tune-up Limit	Measured Pw r	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	23.96	N/A	24.70	20.74	N/A	20.75
		1413	1732.6	23.98			20.75		
		1513	1752.6	24.01			20.74		
HSDPA	Subtest 1	1312	1712.4	23.97	0.00	24.70	19.96	0.00	20.75
		1413	1732.6	23.98			20.00		
		1513	1752.6	23.92			20.02		
	Subtest 2	1312	1712.4	23.94	0.00	24.70	19.98	0.00	20.75
		1413	1732.6	23.98			20.02		
		1513	1752.6	23.80			20.01		
	Subtest 3	1312	1712.4	23.90	0.50	24.20	19.48	0.50	20.25
		1413	1732.6	23.80			19.50		
		1513	1752.6	23.80			19.52		
	Subtest 4	1312	1712.4	23.44	0.50	24.20	19.48	0.50	20.25
		1413	1732.6	23.50			19.50		
		1513	1752.6	23.49			19.49		
HSUPA	Subtest 1	1312	1712.4	23.90	0.00	24.70	19.94	0.00	20.75
		1413	1732.6	23.90			19.98		
		1513	1752.6	23.90			20.02		
	Subtest 2	1312	1712.4	21.98	2.00	22.70	17.94	2.00	18.75
		1413	1732.6	21.97			18.02		
		1513	1752.6	21.96			18.00		
	Subtest 3	1312	1712.4	22.95	1.00	23.70	18.96	1.00	19.75
		1413	1732.6	22.98			18.99		
		1513	1752.6	22.97			19.02		
	Subtest 4	1312	1712.4	21.99	2.00	22.70	17.96	2.00	18.75
		1413	1732.6	22.00			18.01		
		1513	1752.6	21.93			18.00		
	Subtest 5	1312	1712.4	23.98	0.00	24.70	19.92	0.00	20.75
		1413	1732.6	23.90			19.95		
		1513	1752.6	23.90			19.97		
DC-HSDPA	Subtest 1	1312	1712.4	23.90	0.00	24.70	19.96	0.00	20.75
		1413	1732.6	23.90			20.00		
		1513	1752.6	23.90			20.01		
	Subtest 2	1312	1712.4	23.95	0.00	24.70	19.97	0.00	20.75
		1413	1732.6	23.87			20.01		
		1513	1752.6	23.87			20.00		
	Subtest 3	1312	1712.4	23.91	0.50	24.20	19.50	0.50	20.25
		1413	1732.6	23.97			19.52		
		1513	1752.6	23.94			19.49		
	Subtest 4	1312	1712.4	23.47	0.50	24.20	19.40	0.50	20.25
		1413	1732.6	23.50			19.51		
		1513	1752.6	23.48			19.49		
HSPA+	Subtest 1	1312	1712.4	21.86	2.50	22.20	18.23	2.50	18.25
		1413	1732.6	21.35			18.00		
		1513	1752.6	21.76			17.69		

W-CDMA Band 4 Measured Results (ANT4)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	19.95	N/A	20.00	21.04	N/A	21.25
		1413	1732.6	19.95			21.05		
		1513	1752.6	19.95			21.12		
HSDPA	Subtest 1	1312	1712.4	19.59	0.00	20.00	20.37	0.00	21.25
		1413	1732.6	19.58			20.38		
		1513	1752.6	19.66			20.41		
	Subtest 2	1312	1712.4	19.56	0.00	20.00	20.35	0.00	21.25
		1413	1732.6	19.59			20.35		
		1513	1752.6	19.69			20.44		
	Subtest 3	1312	1712.4	19.08	0.50	19.50	19.85	0.50	20.75
		1413	1732.6	19.11			19.83		
		1513	1752.6	19.19			19.95		
	Subtest 4	1312	1712.4	19.08	0.50	19.50	19.86	0.50	20.75
		1413	1732.6	19.09			19.84		
		1513	1752.6	19.18			19.92		
HSUPA	Subtest 1	1312	1712.4	19.59	0.00	20.00	20.35	0.00	21.25
		1413	1732.6	19.60			20.36		
		1513	1752.6	19.70			20.44		
	Subtest 2	1312	1712.4	17.59	2.00	18.00	18.33	2.00	19.25
		1413	1732.6	17.61			18.39		
		1513	1752.6	17.69			18.43		
	Subtest 3	1312	1712.4	18.58	1.00	19.00	19.34	1.00	20.25
		1413	1732.6	18.57			19.34		
		1513	1752.6	18.68			19.44		
	Subtest 4	1312	1712.4	17.58	2.00	18.00	18.35	2.00	19.25
		1413	1732.6	17.61			18.35		
		1513	1752.6	17.72			18.45		
	Subtest 5	1312	1712.4	19.15	0.00	20.00	20.89	0.00	21.25
		1413	1732.6	19.14			20.90		
		1513	1752.6	19.24			20.99		
DC-HSDPA	Subtest 1	1312	1712.4	19.64	0.00	20.00	20.38	0.00	21.25
		1413	1732.6	19.63			20.34		
		1513	1752.6	19.69			20.40		
	Subtest 2	1312	1712.4	19.61	0.00	20.00	20.37	0.00	21.25
		1413	1732.6	19.63			20.32		
		1513	1752.6	19.69			20.40		
	Subtest 3	1312	1712.4	19.15	0.50	19.50	19.85	0.50	20.75
		1413	1732.6	19.12			19.84		
		1513	1752.6	19.21			19.91		
	Subtest 4	1312	1712.4	19.12	0.50	19.50	19.87	0.50	20.75
		1413	1732.6	19.12			19.84		
		1513	1752.6	19.12			19.93		
HSPA+	Subtest 1	1312	1712.4	17.38	2.50	17.50	18.67	2.50	18.75
		1413	1732.6	17.32			18.46		
		1513	1752.6	17.27			18.23		

W-CDMA Band 5 Measured Results (ANT1)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	4132	826.4	25.20	N/A	25.70	24.95	N/A	25.25
		4183	836.6	25.22			24.87		
		4233	846.6	25.10			24.99		
HSDPA	Subtest 1	4132	826.4	25.07	0.00	25.70	24.97	0.00	25.25
		4183	836.6	25.00			24.88		
		4233	846.6	25.11			24.99		
	Subtest 2	4132	826.4	25.11	0.00	25.70	24.99	0.00	25.25
		4183	836.6	25.00			24.86		
		4233	846.6	25.10			25.01		
	Subtest 3	4132	826.4	24.63	0.50	25.20	24.37	0.50	24.75
		4183	836.6	24.51			24.38		
		4233	846.6	24.63			24.51		
	Subtest 4	4132	826.4	24.62	0.50	25.20	24.47	0.50	24.75
		4183	836.6	24.51			24.38		
		4233	846.6	24.64			24.50		
HSUPA	Subtest 1	4132	826.4	25.07	0.00	25.70	24.99	0.00	25.25
		4183	836.6	25.02			24.89		
		4233	846.6	25.14			24.99		
	Subtest 2	4132	826.4	23.12	2.00	23.70	23.02	2.00	23.25
		4183	836.6	23.07			22.92		
		4233	846.6	23.13			23.02		
	Subtest 3	4132	826.4	24.08	1.00	24.70	23.98	1.00	24.25
		4183	836.6	23.99			23.87		
		4233	846.6	24.12			24.01		
	Subtest 4	4132	826.4	23.08	2.00	23.70	23.02	2.00	23.25
		4183	836.6	23.00			22.91		
		4233	846.6	23.11			23.02		
	Subtest 5	4132	826.4	24.87	0.00	25.70	24.54	0.00	25.25
		4183	836.6	24.90			24.45		
		4233	846.6	24.87			24.57		
DC-HSDPA	Subtest 1	4132	826.4	25.04	0.00	25.70	25.17	0.00	25.25
		4183	836.6	24.96			25.21		
		4233	846.6	25.09			25.15		
	Subtest 2	4132	826.4	25.09	0.00	25.70	24.90	0.00	25.25
		4183	836.6	25.00			24.93		
		4233	846.6	25.11			24.89		
	Subtest 3	4132	826.4	24.55	0.50	25.20	24.40	0.50	24.75
		4183	836.6	24.46			24.44		
		4233	846.6	24.60			24.38		
	Subtest 4	4132	826.4	24.55	0.50	25.20	24.38	0.50	24.75
		4183	836.6	24.50			24.43		
		4233	846.6	24.60			24.38		
HSPA+	Subtest 1	4132	826.4	23.20	2.50	23.20	22.75	2.50	22.75
		4183	836.6	23.20			22.75		
		4233	846.6	23.20			22.75		

W-CDMA Band 5 Measured Results (ANT2)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	4132	826.40	24.20	N/A	24.50	24.20	N/A	24.50
		4183	836.60	24.20			24.20		
		4233	846.60	24.16			24.16		
HSDPA	Subtest 1	4132	826.40	24.12	0.00	24.50	24.12	0.00	24.50
		4183	836.60	24.01			24.01		
		4233	846.60	24.14			24.14		
	Subtest 2	4132	826.40	24.14	0.00	24.50	24.14	0.00	24.50
		4183	836.60	24.02			24.02		
		4233	846.60	24.16			24.16		
	Subtest 3	4132	826.40	23.50	0.50	24.00	23.50	0.50	24.00
		4183	836.60	23.52			23.52		
		4233	846.60	23.64			23.64		
	Subtest 4	4132	826.40	23.60	0.50	24.00	23.60	0.50	24.00
		4183	836.60	23.50			23.50		
		4233	846.60	23.65			23.65		
HSUPA	Subtest 1	4132	826.40	24.11	0.00	24.50	24.11	0.00	24.50
		4183	836.60	24.03			24.03		
		4233	846.60	24.15			24.15		
	Subtest 2	4132	826.40	22.11	2.00	22.50	22.11	2.00	22.50
		4183	836.60	22.05			22.05		
		4233	846.60	22.14			22.14		
	Subtest 3	4132	826.40	23.10	1.00	23.50	23.10	1.00	23.50
		4183	836.60	23.03			23.03		
		4233	846.60	23.15			23.15		
	Subtest 4	4132	826.40	22.14	2.00	22.50	22.14	2.00	22.50
		4183	836.60	22.02			22.02		
		4233	846.60	22.14			22.14		
	Subtest 5	4132	826.40	23.66	0.00	24.50	23.66	0.00	24.50
		4183	836.60	23.60			23.60		
		4233	846.60	23.73			23.73		
DC-HSDPA	Subtest 1	4132	826.40	24.15	0.00	24.50	24.15	0.00	24.50
		4183	836.60	24.03			24.03		
		4233	846.60	24.14			24.14		
	Subtest 2	4132	826.40	24.13	0.00	24.50	24.13	0.00	24.50
		4183	836.60	24.02			24.02		
		4233	846.60	24.15			24.15		
	Subtest 3	4132	826.40	23.64	0.50	24.00	23.64	0.50	24.00
		4183	836.60	23.54			23.54		
		4233	846.60	23.65			23.65		
	Subtest 4	4132	826.40	23.65	0.50	24.00	23.65	0.50	24.00
		4183	836.60	23.53			23.53		
		4233	846.60	23.64			23.64		
HSPA+	Subtest 1	4132	826.40	22.00	2.50	22.00	22.00	2.50	24.50
		4183	836.60	22.00			22.00		
		4233	846.60	22.00			22.00		

9.3. CDMA

1x Advanced Setup Procedures used to establish the test signals

Call box setup procedure

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

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

Call box setup procedure

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

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

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

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

For Three Carriers: Low Channel (1013)

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

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

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

Maximum Output Power (Tune-up Limit) for CDMA

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

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

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

SAR measurement is not required for the 1xEVDO Rev. A, Rev. B and 1x-Advanced. When primary mode and the adjusted SAR is ≤ 1.2 W/kg and secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode

RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
CDMA BC0	1xRTT	25.70	25.25	24.50	24.50				
	1xAdvanced	25.70	25.25	24.50	24.50				
	1xEVDO Rel. 0	25.70	25.25	24.50	24.50				
	1xEVDO Rev. A	25.70	25.25	24.50	24.50				
CDMA BC1	1xRTT	25.70	17.50	21.50	19.25				
	1xAdvanced	25.70	17.50	21.50	19.25				
	1xEVDO Rel. 0	25.70	17.50	21.50	19.25				
	1xEVDO Rev. A	25.70	17.50	21.50	19.25				
CDMA BC10	1xRTT	25.70	25.25	24.50	24.50				
	1xAdvanced	25.70	25.25	24.50	24.50				
	1xEVDO Rel. 0	25.70	25.25	24.50	24.50				
	1xEVDO Rev. A	25.70	25.25	24.50	24.50				

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

CDMA BC0 Measured Results (ANT1)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	1013	824.70	25.20	25.70	25.03	25.25
		384	836.52	25.30		25.12	
		777	848.31	25.30		25.10	
	RC3, SO55 (Loopback)	1013	824.70	25.30		25.00	
		384	836.52	25.46		25.10	
		777	848.31	25.33		25.10	
	RC3, SO32 (+F-SCH)	1013	824.70	25.30		25.10	
		384	836.52	25.32		25.16	
		777	848.31	25.30		25.06	
1xAdvanced	Fw d11/Rvs8 SO75 (Loopback)	1013	824.70	25.30	25.70	24.98	25.25
		384	836.52	25.30		25.00	
		777	848.31	25.20		25.00	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	1013	824.70	25.40	25.70	25.00	25.25
		384	836.52	25.42		24.96	
		777	848.31	25.34		24.97	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	1013	824.70	25.30	25.70	25.00	25.25
		384	836.52	25.35		25.05	
		777	848.31	25.34		25.10	

CDMA BC0 Measured Results (ANT2)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	1013	824.70	23.85	24.50	23.85	24.50
		384	836.52	23.95		23.95	
		777	848.31	23.95		23.95	
	RC3, SO55 (Loopback)	1013	824.70	24.20		24.20	
		384	836.52	24.21		24.21	
		777	848.31	24.20		24.20	
	RC3, SO32 (+F-SCH)	1013	824.70	24.01		24.01	
		384	836.52	24.16		24.41	
		777	848.31	24.12		24.12	
1xAdvanced	Fw d11/Rvs8 SO75 (Loopback)	1013	824.70	24.15	24.50	24.15	24.50
		384	836.52	23.96		23.96	
		777	848.31	24.01		24.01	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	1013	824.70	24.28	24.50	24.28	24.50
		384	836.52	24.27		24.27	
		777	848.31	24.24		24.24	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	1013	824.70	23.95	24.50	23.95	24.50
		384	836.52	24.20		24.20	
		777	848.31	24.10		24.10	

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	25.13	25.70	17.15	17.50
		600	1880.00	25.12		17.18	
		1175	1908.75	25.09		17.10	
	RC3, SO55 (Loopback)	25	1851.25	25.30		17.26	
		600	1880.00	25.40		17.11	
		1175	1908.75	25.30		17.02	
	RC3, SO32 (+F-SCH)	25	1851.25	25.08		17.30	
		600	1880.00	25.12		17.36	
		1175	1908.75	25.21		17.28	
1xAdvanced	Fw d11/Rvs8 SO75 (Loopback)	25	1851.25	25.00	25.70	17.29	17.50
		600	1880.00	25.12		17.16	
		1175	1908.75	25.04		17.19	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	25	1851.25	25.20	25.70	17.06	17.50
		600	1880.00	25.30		17.20	
		1175	1908.75	25.30		17.09	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	25	1851.25	25.21	25.70	17.12	17.50
		600	1880.00	25.15		17.15	
		1175	1908.75	25.22		17.20	

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	21.28	21.50	18.58	19.25
		600	1880.00	21.47		18.58	
		1175	1908.75	21.27		18.47	
	RC3, SO55 (Loopback)	25	1851.25	21.33		18.60	
		600	1880.00	21.47		18.73	
		1175	1908.75	21.33		18.65	
	RC3, SO32 (+F-SCH)	25	1851.25	21.22		18.70	
		600	1880.00	21.42		18.72	
		1175	1908.75	21.46		18.70	
1xAdvanced	Fw d11/Rvs8 SO75 (Loopback)	25	1851.25	21.00	21.50	18.73	19.25
		600	1880	21.00		18.52	
		1175	1908.75	21.00		18.66	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	25	1851.25	21.28	21.50	18.47	19.25
		600	1880.00	21.28		18.49	
		1175	1908.75	21.28		18.46	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	25	1851.25	21.20	21.50	18.49	19.25
		600	1880	21.10		18.71	
		1175	1908.75	21.10		18.68	

CDMA BC10 Measured Results (ANT1)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pw r	Tune-up Limit	Measured Pw r	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	560	820.00	25.54	25.70	24.77	25.25
	RC3, SO55 (Loopback)	560	820.00	25.64		24.78	
	RC3, SO32 (+F-SCH)	560	820.00	25.42		24.63	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	560	820.00	25.36	25.70	25.15	25.25
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	560	820.00	25.58	25.70	24.74	25.25
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	560	820.00	25.53	25.70	24.67	25.25

CDMA BC10 Measured Results (ANT2)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pw r	Tune-up Limit	Measured Pw r	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	560	820.00	24.10	24.50	24.10	24.50
	RC3, SO55 (Loopback)	560	820.00	24.26		24.26	
	RC3, SO32 (+F-SCH)	560	820.00	24.38		24.38	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	560	820.00	24.20	24.50	24.20	24.50
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	560	820.00	24.49	24.50	24.49	24.50
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	560	820.00	24.30	24.50	24.30	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:

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

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

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

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

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

RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
LTE Band 2	QPSK	25.70	17.50	21.50	19.25	24.70	21.25	20.50	21.75
LTE Band 4	QPSK	25.70	18.50	20.00	18.25	24.70	20.75	20.00	21.25
LTE Band 5	QPSK	25.70	25.25	24.50	24.50				
LTE Band 7	QPSK	25.25	19.00	19.00	19.25	24.50	19.00	19.50	20.25
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	17.50	21.50	19.25	24.70	21.25	20.50	21.75
LTE Band 26	QPSK	25.70	25.25	24.50	24.50				
LTE Band 30	QPSK	25.70	22.25	18.50	19.50	24.50	20.75	20.75	21.25
LTE Band 41 (PC3)	QPSK	25.70	22.50	19.75	21.00	24.70	21.75	21.25	22.20
LTE Band 41 (PC 2)	QPSK	27.25	N/A	N/A	N/A	25.70	N/A	N/A	22.25
LTE Band 66	QPSK	25.70	18.50	20.00	18.25	24.70	20.75	20.00	21.25
LTE Band 71	QPSK	25.70	25.70	24.50	24.50				
RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT7		ANT8		ANT9		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
LTE Band 48	QPSK	25.70	21.50	20.25	21.50	25.70	23.00	20.00	21.50

LTE Band 5 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20525	836.5 MHz	MPR	Tune-up Limit		20525	836.5 MHz	MPR	Tune-up Limit	
10 MHz	QPSK	1	0	25.62		0.00	25.70		24.86		0.00	25.25	
		1	25	25.67		0.00	25.70		25.07		0.00	25.25	
		1	49	25.52		0.00	25.70		25.02		0.00	25.25	
		25	0	24.49		1.00	24.70		23.78		0.55	24.70	
		25	12	24.56		1.00	24.70		23.98		0.55	24.70	
		25	25	24.51		1.00	24.70		23.72		0.55	24.70	
	16QAM	50	0	24.45		1.00	24.70		23.78		0.55	24.70	
		1	0	24.56		1.00	24.70		23.94		0.55	24.70	
		1	25	24.50		1.00	24.70		23.87		0.55	24.70	
		1	49	24.44		1.00	24.70		23.92		0.55	24.70	
		25	0	23.51		2.00	23.70		22.77		1.55	23.70	
		25	12	23.52		2.00	23.70		22.89		1.55	23.70	
	64QAM	25	25	23.40		2.00	23.70		22.81		1.55	23.70	
		50	0	23.43		2.00	23.70		22.80		1.55	23.70	
		1	0	23.56		2.00	23.70		23.17		1.55	23.70	
		1	25	23.31		2.00	23.70		23.16		1.55	23.70	
		1	49	23.55		2.00	23.70		23.15		1.55	23.70	
		25	0	22.49		3.00	22.70		21.91		2.55	22.70	
5 MHz	QPSK	25	12	22.40		3.00	22.70		22.13		2.55	22.70	
		25	25	22.34		3.00	22.70		22.00		2.55	22.70	
		50	0	22.51		3.00	22.70		22.18		2.55	22.70	
	16QAM	1	0	20.42		5.00	20.70		20.02		4.55	20.70	
		1	25	20.41		5.00	20.70		20.03		4.55	20.70	
		1	49	20.55		5.00	20.70		19.99		4.55	20.70	
	64QAM	25	0	20.39		5.00	20.70		20.12		4.55	20.70	
		25	12	20.58		5.00	20.70		19.91		4.55	20.70	
		25	25	20.35		5.00	20.70		20.15		4.55	20.70	
	256QAM	50	0	20.47		5.00	20.70		20.03		4.55	20.70	
		1	0	25.58	20525	25.38	0.00	25.70	24.90	836.5 MHz	24.75	0.00	25.25
		1	12	25.66	20525	25.49	0.00	25.70	25.02	836.5 MHz	24.85	0.00	25.25
		1	24	25.63	20525	25.43	0.00	25.70	24.99	836.5 MHz	24.73	0.00	25.25
		12	0	24.48	20625	24.34	1.00	24.70	23.84	846.5 MHz	23.77	0.55	24.70
		12	7	24.44	20625	24.30	1.00	24.70	23.79	846.5 MHz	23.90	0.55	24.70
	16QAM	12	13	24.38	20625	24.25	1.00	24.70	23.74	846.5 MHz	23.79	0.55	24.70
		25	0	24.41	20625	24.29	1.00	24.70	23.78	846.5 MHz	23.92	0.55	24.70
		1	0	24.66	20625	24.64	1.00	24.70	24.02	846.5 MHz	23.95	0.55	24.70
		1	12	24.56	20625	24.69	1.00	24.70	23.86	846.5 MHz	24.02	0.55	24.70
		1	24	24.53	20625	24.55	1.00	24.70	23.88	846.5 MHz	23.88	0.55	24.70
		12	0	23.31	20625	22.91	2.00	23.70	23.64	846.5 MHz	23.47	1.55	23.70
	64QAM	12	7	23.40	20625	23.00	2.00	23.70	22.76	846.5 MHz	23.53	1.55	23.70
		12	13	23.51	20625	22.91	2.00	23.70	22.82	846.5 MHz	23.41	1.55	23.70
		25	0	23.30	20625	22.74	2.00	23.70	22.81	846.5 MHz	23.30	1.55	23.70
		1	0	23.48	20625	23.40	2.00	23.70	23.04	846.5 MHz	23.13	1.55	23.70
		1	12	23.53	20625	23.45	2.00	23.70	22.98	846.5 MHz	22.91	1.55	23.70
		1	24	23.39	20625	23.47	2.00	23.70	22.93	846.5 MHz	23.05	1.55	23.70
	256QAM	12	0	22.58	20625	22.54	3.00	22.70	22.09	846.5 MHz	21.97	2.55	22.70
		12	7	22.35	20625	22.44	3.00	22.70	22.15	846.5 MHz	22.15	2.55	22.70
		12	13	22.49	20625	22.60	3.00	22.70	22.13	846.5 MHz	22.09	2.55	22.70
		25	0	22.47	20625	22.45	3.00	22.70	22.12	846.5 MHz	22.01	2.55	22.70
		1	0	20.40	20625	20.54	5.00	20.70	19.97	846.5 MHz	19.94	4.55	20.70
		1	12	20.32	20625	20.49	5.00	20.70	20.16	846.5 MHz	19.95	4.55	20.70
	256QAM	1	24	20.59	20625	20.58	5.00	20.70	20.14	846.5 MHz	19.95	4.55	20.70
		12	0	20.47	20625	20.32	5.00	20.70	20.17	846.5 MHz	20.06	4.55	20.70
		12	7	20.47	20625	20.44	5.00	20.70	20.00	846.5 MHz	20.06	4.55	20.70
		12	13	20.47	20625	20.44	5.00	20.70	20.10	846.5 MHz	20.10	4.55	20.70
		25	0	20.34	20625	20.42	5.00	20.70	20.04	846.5 MHz	20.13	4.55	20.70

LTE Band 5 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20415	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	25.67	25.59	25.59	0.00	25.70	25.00	24.93	24.92	0.00	25.25
		1	8	25.57	25.56	25.49	0.00	25.70	24.93	24.93	24.85	0.00	25.25
		1	14	25.54	25.61	25.46	0.00	25.70	24.91	24.94	24.81	0.00	25.25
		8	0	24.52	24.47	24.36	1.00	24.70	23.83	23.83	23.89	0.55	24.70
		8	4	24.54	24.50	24.38	1.00	24.70	23.88	23.85	23.75	0.55	24.70
		8	7	24.53	24.52	24.37	1.00	24.70	23.87	23.86	23.71	0.55	24.70
	16QAM	15	0	24.51	24.47	24.33	1.00	24.70	23.81	23.78	23.87	0.55	24.70
		1	0	24.63	24.41	24.65	1.00	24.70	23.94	23.75	23.97	0.55	24.70
		1	8	24.49	24.41	24.54	1.00	24.70	23.83	23.78	23.84	0.55	24.70
		1	14	24.44	24.36	24.54	1.00	24.70	23.79	23.70	23.84	0.55	24.70
		8	0	23.30	23.47	22.87	2.00	23.70	23.60	22.83	23.17	1.55	23.70
		8	4	23.40	23.54	22.86	2.00	23.70	22.70	22.88	23.22	1.55	23.70
	64QAM	8	7	23.44	23.56	22.82	2.00	23.70	22.75	22.86	23.16	1.55	23.70
		15	0	23.28	23.43	22.76	2.00	23.70	22.72	22.80	23.33	1.55	23.70
		1	0	23.37	23.43	23.46	2.00	23.70	23.18	23.06	23.03	1.55	23.70
		1	8	23.42	23.46	23.40	2.00	23.70	22.90	23.02	23.18	1.55	23.70
		1	14	23.57	23.41	23.35	2.00	23.70	23.14	23.13	23.13	1.55	23.70
		8	0	22.33	22.37	22.39	3.00	22.70	22.20	21.99	22.09	2.55	22.70
	256QAM	8	4	22.37	22.34	22.32	3.00	22.70	22.19	22.08	21.99	2.55	22.70
		8	7	22.40	22.52	22.58	3.00	22.70	21.91	21.97	22.01	2.55	22.70
		15	0	22.53	22.32	22.48	3.00	22.70	22.12	21.90	22.16	2.55	22.70
		1	0	20.51	20.47	20.39	5.00	20.70	19.98	20.11	19.99	4.55	20.70
		1	8	20.58	20.56	20.37	5.00	20.70	20.19	19.99	20.17	4.55	20.70
		1	14	20.53	20.50	20.43	5.00	20.70	20.01	19.91	20.14	4.55	20.70
1.4 MHz	QPSK	8	0	20.49	20.48	20.42	5.00	20.70	20.05	19.96	20.00	4.55	20.70
		8	4	20.37	20.54	20.57	5.00	20.70	19.97	20.15	20.09	4.55	20.70
		8	7	20.57	20.41	20.38	5.00	20.70	19.90	20.18	20.15	4.55	20.70
		15	0	20.34	20.38	20.36	5.00	20.70	20.14	20.18	20.02	4.55	20.70
		1	0	25.40	25.31	25.33	0.00	25.70	24.92	24.70	24.57	0.00	25.25
		1	3	25.35	25.53	25.34	0.00	25.70	24.89	24.83	24.61	0.00	25.25
	16QAM	1	5	25.48	25.31	25.36	0.00	25.70	24.83	24.76	24.57	0.00	25.25
		3	0	25.46	25.35	25.58	0.00	25.70	24.66	24.61	24.60	0.00	25.25
		3	1	25.60	25.44	25.32	0.00	25.70	24.70	24.62	24.67	0.00	25.25
		3	3	25.42	25.49	25.52	0.00	25.70	24.65	24.65	24.68	0.00	25.25
		6	0	24.34	24.30	24.41	1.00	24.70	24.09	24.09	23.92	0.55	24.70
		1	0	24.48	24.44	24.52	1.00	24.70	24.24	24.24	23.89	0.55	24.70
	64QAM	1	3	24.57	24.34	24.53	1.00	24.70	24.23	24.33	23.99	0.55	24.70
		1	5	24.46	24.34	24.52	1.00	24.70	24.20	24.25	23.76	0.55	24.70
		3	0	24.34	24.49	24.36	1.00	24.70	24.22	24.37	24.22	0.55	24.70
		3	1	24.46	24.37	24.48	1.00	24.70	24.32	24.41	24.21	0.55	24.70
		3	3	24.42	24.36	24.55	1.00	24.70	24.26	24.34	24.12	0.55	24.70
		6	0	23.58	23.53	23.53	2.00	23.70	22.77	22.78	22.87	1.55	23.70
	256QAM	1	0	23.49	23.51	23.53	2.00	23.70	23.13	22.99	22.94	1.55	23.70
		1	3	23.47	23.45	23.58	2.00	23.70	22.92	22.92	23.00	1.55	23.70
		1	5	23.53	23.54	23.36	2.00	23.70	23.12	22.96	23.00	1.55	23.70
		3	0	23.57	23.57	23.40	2.00	23.70	23.06	22.92	22.92	1.55	23.70
		3	1	23.52	23.52	23.44	2.00	23.70	22.98	23.14	23.04	1.55	23.70
		3	3	23.46	23.51	23.51	2.00	23.70	23.10	23.16	23.12	1.55	23.70
1.4 MHz	256QAM	6	0	22.39	22.49	22.59	3.00	22.70	22.07	22.02	22.16	2.55	22.70
		1	0	20.40	20.46	20.30	5.00	20.70	19.94	20.10	20.12	4.55	20.70
		1	3	20.45	20.35	20.53	5.00	20.70	20.08	20.06	20.05	4.55	20.70
		1	5	20.37	20.39	20.56	5.00	20.70	20.00	20.11	20.13	4.55	20.70
		3	0	20.58	20.58	20.38	5.00	20.70	20.19	20.07	20.11	4.55	20.70
		3	1	20.59	20.50	20.48	5.00	20.70	20.04	20.02	20.14	4.55	20.70
	256QAM	3	3	20.58	20.36	20.41	5.00	20.70	20.08	20.14	20.17	4.55	20.70
		6	0	20.34	20.32	20.56	5.00	20.70	20.14	20.04	19.91	4.55	20.70

LTE Band 5 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20525	836.5 MHz	MPR	Tune-up Limit		20525	836.5 MHz	MPR	Tune-up Limit	
10 MHz	QPSK	1	0	24.33		0.00	24.50		24.33		0.00	24.50	
		1	25	24.44		0.00	24.50		24.44		0.00	24.50	
		1	49	24.43		0.00	24.50		24.43		0.00	24.50	
		25	0	23.42		1.00	23.50		23.42		1.00	23.50	
		25	12	23.45		1.00	23.50		23.45		1.00	23.50	
		25	25	23.22		1.00	23.50		23.22		1.00	23.50	
	16QAM	50	0	23.31		1.00	23.50		23.31		1.00	23.50	
		1	0	23.27		1.00	23.50		23.27		1.00	23.50	
		1	25	23.48		1.00	23.50		23.48		1.00	23.50	
		1	49	23.27		1.00	23.50		23.27		1.00	23.50	
		25	0	22.41		2.00	22.50		22.41		2.00	22.50	
		25	12	22.29		2.00	22.50		22.29		2.00	22.50	
	64QAM	25	25	22.39		2.00	22.50		22.39		2.00	22.50	
		50	0	22.36		2.00	22.50		22.36		2.00	22.50	
		1	0	22.24		2.00	22.50		22.24		2.00	22.50	
		1	25	22.21		2.00	22.50		22.21		2.00	22.50	
		1	49	22.26		2.00	22.50		22.26		2.00	22.50	
		25	0	21.49		3.00	21.50		21.49		3.00	21.50	
5 MHz	QPSK	25	12	21.43		3.00	21.50		21.43		3.00	21.50	
		25	25	21.31		3.00	21.50		21.31		3.00	21.50	
		50	0	21.27		3.00	21.50		21.27		3.00	21.50	
	16QAM	1	0	19.47		5.00	19.50		19.47		5.00	19.50	
		1	25	19.29		5.00	19.50		19.29		5.00	19.50	
		1	49	19.37		5.00	19.50		19.37		5.00	19.50	
	64QAM	25	0	19.24		5.00	19.50		19.24		5.00	19.50	
		25	12	19.33		5.00	19.50		19.33		5.00	19.50	
		25	25	19.49		5.00	19.50		19.49		5.00	19.50	
	256QAM	50	0	19.41		5.00	19.50		19.41		5.00	19.50	
		1	0	24.04		0.00	24.50		24.04		0.00	24.50	
	QPSK	1	12	24.19		0.00	24.50		24.19		0.00	24.50	
		1	24	24.11		0.00	24.50		24.11		0.00	24.50	
		12	0	23.14		1.00	23.50		23.14		1.00	23.50	
		12	7	23.10		1.00	23.50		23.10		1.00	23.50	
	16QAM	12	13	22.96		1.00	23.50		22.96		1.00	23.50	
		25	0	23.23		1.00	23.50		23.23		1.00	23.50	
		1	0	22.97		1.00	23.50		22.97		1.00	23.50	
		1	12	23.24		1.00	23.50		23.24		1.00	23.50	
		1	24	22.96		1.00	23.50		22.96		1.00	23.50	
	64QAM	12	0	22.23		2.00	22.50		22.23		2.00	22.50	
		12	7	22.24		2.00	22.50		22.24		2.00	22.50	
		12	13	22.21		2.00	22.50		22.21		2.00	22.50	
		25	0	22.01		2.00	22.50		22.01		2.00	22.50	
		1	0	21.99		2.00	22.50		21.99		2.00	22.50	
		1	12	22.12		2.00	22.50		22.12		2.00	22.50	
	256QAM	1	24	21.98		2.00	22.50		21.98		2.00	22.50	
		12	0	21.04		3.00	21.50		21.04		3.00	21.50	
		12	7	21.08		3.00	21.50		21.08		3.00	21.50	
		12	13	21.20		3.00	21.50		21.20		3.00	21.50	
		25	0	21.17		3.00	21.50		21.17		3.00	21.50	
		1	0	19.15		5.00	19.50		19.15		5.00	19.50	
	QPSK	1	12	19.10		5.00	19.50		19.10		5.00	19.50	
		1	24	19.01		5.00	19.50		19.01		5.00	19.50	
		12	0	19.00		5.00	19.50		19.00		5.00	19.50	
		12	7	19.08		5.00	19.50		19.08		5.00	19.50	
		12	13	19.15		5.00	19.50		19.15		5.00	19.50	
		25	0	19.05		5.00	19.50		19.05		5.00	19.50	

LTE Band 5 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20415	20525	20635	MPR	Tune-up Limit	20415	20525	20635	MPR	Tune-up Limit
				825.5 MHz	836.5 MHz	847.5 MHz			825.5 MHz	836.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	23.95	24.07	24.09	0.00	24.50	23.95	24.07	24.09	0.00	24.50
		1	8	23.99	24.25	24.17	0.00	24.50	23.99	24.25	24.17	0.00	24.50
		1	14	24.00	24.21	24.10	0.00	24.50	24.00	24.21	24.10	0.00	24.50
		8	0	23.19	23.00	22.98	1.00	23.50	23.19	23.00	22.98	1.00	23.50
		8	4	23.14	23.14	23.21	1.00	23.50	23.14	23.14	23.21	1.00	23.50
		8	7	23.08	23.04	23.12	1.00	23.50	23.08	23.04	23.12	1.00	23.50
	16QAM	15	0	23.09	23.19	23.24	1.00	23.50	23.09	23.19	23.24	1.00	23.50
		1	0	23.21	23.10	23.11	1.00	23.50	23.21	23.10	23.11	1.00	23.50
		1	8	23.07	23.17	23.11	1.00	23.50	23.07	23.17	23.11	1.00	23.50
		1	14	22.97	23.15	22.99	1.00	23.50	22.97	23.15	22.99	1.00	23.50
		8	0	22.00	22.14	22.01	2.00	22.50	22.00	22.14	22.01	2.00	22.50
		8	4	21.97	22.22	22.07	2.00	22.50	21.97	22.22	22.07	2.00	22.50
	64QAM	8	7	22.02	22.11	22.20	2.00	22.50	22.02	22.11	22.20	2.00	22.50
		15	0	21.98	22.05	22.13	2.00	22.50	21.98	22.05	22.13	2.00	22.50
		1	0	22.19	22.17	22.03	2.00	22.50	22.19	22.17	22.03	2.00	22.50
		1	8	22.20	22.15	22.09	2.00	22.50	22.20	22.15	22.09	2.00	22.50
		1	14	21.98	22.00	22.25	2.00	22.50	21.98	22.00	22.25	2.00	22.50
		8	0	21.03	21.17	21.16	3.00	21.50	21.03	21.17	21.16	3.00	21.50
	256QAM	8	4	20.97	20.97	20.96	3.00	21.50	20.97	20.97	20.96	3.00	21.50
		8	7	21.20	21.05	20.96	3.00	21.50	21.20	21.05	20.96	3.00	21.50
		15	0	21.11	20.96	21.06	3.00	21.50	21.11	20.96	21.06	3.00	21.50
		1	0	19.23	19.08	18.95	5.00	19.50	19.23	19.08	18.95	5.00	19.50
		1	8	19.24	19.07	19.13	5.00	19.50	19.24	19.07	19.13	5.00	19.50
		1	14	19.18	18.97	19.17	5.00	19.50	19.18	18.97	19.17	5.00	19.50
1.4 MHz	QPSK	8	0	19.21	19.07	19.10	5.00	19.50	19.21	19.07	19.10	5.00	19.50
		8	4	19.19	18.98	18.95	5.00	19.50	19.19	18.98	18.95	5.00	19.50
		8	7	19.11	19.15	19.25	5.00	19.50	19.11	19.15	19.25	5.00	19.50
		15	0	18.99	18.98	19.24	5.00	19.50	18.99	18.98	19.24	5.00	19.50
	16QAM	1	0	24.22	23.96	23.96	0.00	24.50	24.22	23.96	23.96	0.00	24.50
		1	3	24.21	24.11	24.02	0.00	24.50	24.21	24.11	24.02	0.00	24.50
		1	5	24.24	24.13	23.95	0.00	24.50	24.24	24.13	23.95	0.00	24.50
		3	0	23.65	23.62	23.67	0.00	24.50	23.65	23.62	23.67	0.00	24.50
		3	1	23.53	23.63	23.66	0.00	24.50	23.53	23.63	23.66	0.00	24.50
		3	3	23.57	23.67	23.61	0.00	24.50	23.57	23.67	23.61	0.00	24.50
	64QAM	6	0	23.49	23.30	23.22	1.00	23.50	23.49	23.30	23.22	1.00	23.50
		1	0	23.27	23.25	23.34	1.00	23.50	23.27	23.25	23.34	1.00	23.50
		1	3	23.44	23.26	23.45	1.00	23.50	23.44	23.26	23.45	1.00	23.50
		1	5	23.38	23.42	23.47	1.00	23.50	23.38	23.42	23.47	1.00	23.50
		3	0	22.57	22.67	22.57	1.00	23.50	22.57	22.67	22.57	1.00	23.50
		3	1	22.58	22.69	22.54	1.00	23.50	22.58	22.69	22.54	1.00	23.50
	256QAM	3	3	22.54	22.69	22.55	1.00	23.50	22.54	22.69	22.55	1.00	23.50
		6	0	22.23	22.25	22.28	2.00	22.50	22.23	22.25	22.28	2.00	22.50
		1	0	22.36	22.28	22.31	2.00	22.50	22.36	22.28	22.31	2.00	22.50
		1	3	22.37	22.31	22.31	2.00	22.50	22.37	22.31	22.31	2.00	22.50
		1	5	22.50	22.23	22.40	2.00	22.50	22.50	22.23	22.40	2.00	22.50
		3	0	21.65	21.65	21.69	2.00	22.50	21.65	21.65	21.69	2.00	22.50
	64QAM	3	1	21.64	21.65	21.68	2.00	22.50	21.64	21.65	21.68	2.00	22.50
		3	3	21.63	21.61	21.59	2.00	22.50	21.63	21.61	21.59	2.00	22.50
		6	0	21.27	21.37	21.45	3.00	21.50	21.27	21.37	21.45	3.00	21.50
	256QAM	1	0	19.50	19.25	19.26	5.00	19.50	19.50	19.25	19.26	5.00	19.50
		1	3	19.24	19.48	19.49	5.00	19.50	19.24	19.48	19.49	5.00	19.50
		1	5	19.21	19.49	19.48	5.00	19.50	19.21	19.49	19.48	5.00	19.50
		3	0	19.35	19.35	19.42	5.00	19.50	19.35	19.35	19.42	5.00	19.50
		3	1	19.21	19.42	19.45	5.00	19.50	19.21	19.42	19.45	5.00	19.50
		3	3	19.38	19.23	19.32	5.00	19.50	19.38	19.23	19.32	5.00	19.50
	256QAM	6	0	19.28	19.31	19.50	5.00	19.50	19.28	19.31	19.50	5.00	19.50

LTE Band 7 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20850	21100	21350	MPR	Tune-up Limit	20850	21100	21350	MPR	Tune-up Limit
				2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	24.89	24.82	24.84	0.00	25.25	18.55	18.53	18.51	0.00	19.00
		1	49	24.94	25.24	24.89	0.00	25.25	18.60	18.86	18.64	0.00	19.00
		1	99	24.80	24.77	24.77	0.00	25.25	18.50	18.46	18.47	0.00	19.00
		50	0	23.97	24.19	24.22	0.55	24.70	18.67	18.64	18.61	0.00	19.00
		50	24	24.02	24.21	24.22	0.55	24.70	18.72	18.82	18.66	0.00	19.00
		50	50	23.88	24.19	24.17	0.55	24.70	18.63	18.62	18.57	0.00	19.00
	16QAM	100	0	23.92	24.17	24.17	0.55	24.70	18.65	18.65	18.58	0.00	19.00
		1	0	24.30	24.70	24.70	0.55	24.70	19.00	18.85	18.97	0.00	19.00
		1	49	24.27	24.64	24.58	0.55	24.70	18.90	18.99	18.91	0.00	19.00
		1	99	24.24	24.67	24.66	0.55	24.70	18.97	18.95	18.90	0.00	19.00
		50	0	22.91	23.22	23.23	1.55	23.70	18.74	18.65	18.65	0.00	19.00
		50	24	22.92	23.25	23.22	1.55	23.70	18.72	18.65	18.64	0.00	19.00
	64QAM	50	50	22.89	23.19	23.18	1.55	23.70	18.68	18.61	18.63	0.00	19.00
		100	0	22.93	23.23	23.19	1.55	23.70	18.69	18.66	18.63	0.00	19.00
		1	0	22.91	22.78	23.00	1.55	23.70	18.82	18.72	18.92	0.00	19.00
		1	49	22.93	22.98	22.82	1.55	23.70	18.85	18.89	18.97	0.00	19.00
		1	99	22.96	22.92	22.73	1.55	23.70	18.70	18.94	18.89	0.00	19.00
		50	0	21.95	21.92	21.96	2.55	22.70	18.79	18.73	18.78	0.00	19.00
	256QAM	50	24	21.79	21.98	21.81	2.55	22.70	18.83	18.74	18.77	0.00	19.00
		50	50	22.00	22.00	21.94	2.55	22.70	18.88	18.96	18.86	0.00	19.00
		100	0	21.79	21.89	21.70	2.55	22.70	18.91	18.81	18.71	0.00	19.00
		1	0	19.82	19.99	19.86	4.55	20.70	18.74	18.97	18.79	0.00	19.00
		1	49	19.72	19.80	19.79	4.55	20.70	18.91	18.99	18.73	0.00	19.00
		1	99	19.80	19.90	19.98	4.55	20.70	18.95	18.90	18.89	0.00	19.00
15 MHz	QPSK	50	0	19.86	19.97	19.97	4.55	20.70	18.88	18.76	19.00	0.00	19.00
		50	24	19.73	19.93	19.97	4.55	20.70	18.88	18.91	18.85	0.00	19.00
		50	50	19.98	19.88	20.00	4.55	20.70	18.92	18.85	18.73	0.00	19.00
		100	0	19.89	19.99	19.74	4.55	20.70	18.94	18.89	18.79	0.00	19.00
	16QAM	1	0	24.85	24.81	24.80	0.00	25.25	18.59	18.58	18.50	0.00	19.00
		1	37	24.86	24.77	24.78	0.00	25.25	18.56	18.52	18.46	0.00	19.00
		1	74	24.87	24.76	24.82	0.00	25.25	18.61	18.53	18.40	0.00	19.00
		36	0	23.93	24.20	24.18	0.55	24.70	18.70	18.62	18.60	0.00	19.00
		36	20	23.93	24.21	24.20	0.55	24.70	18.69	18.62	18.58	0.00	19.00
		36	39	23.92	24.17	24.15	0.55	24.70	18.68	18.58	18.59	0.00	19.00
	64QAM	75	0	23.89	24.20	24.16	0.55	24.70	18.66	18.59	18.58	0.00	19.00
		1	0	24.34	24.12	24.57	0.55	24.70	18.96	18.99	18.49	0.00	19.00
		1	37	24.29	24.11	24.54	0.55	24.70	18.94	18.97	18.46	0.00	19.00
		1	74	24.30	24.13	24.52	0.55	24.70	18.93	18.97	18.46	0.00	19.00
		36	0	22.91	23.19	23.26	1.55	23.70	18.72	18.62	18.64	0.00	19.00
		36	20	22.93	23.21	23.24	1.55	23.70	18.78	18.61	18.64	0.00	19.00
	256QAM	36	39	22.89	23.16	23.23	1.55	23.70	18.72	18.60	18.58	0.00	19.00
		75	0	22.91	23.17	23.21	1.55	23.70	18.73	18.61	18.61	0.00	19.00
		1	0	22.96	22.94	22.75	1.55	23.70	18.74	18.86	18.71	0.00	19.00
		1	37	22.80	22.82	22.80	1.55	23.70	18.86	18.70	18.84	0.00	19.00
		1	74	22.93	22.84	22.70	1.55	23.70	18.70	18.93	18.91	0.00	19.00
		36	0	21.78	21.89	21.97	2.55	22.70	18.92	18.96	18.90	0.00	19.00
	64QAM	36	20	21.99	21.98	21.81	2.55	22.70	18.87	18.81	18.73	0.00	19.00
		36	39	21.82	21.86	21.91	2.55	22.70	18.80	18.78	18.73	0.00	19.00
		75	0	21.76	21.94	21.95	2.55	22.70	18.80	18.97	18.71	0.00	19.00
	256QAM	1	0	19.92	19.96	19.71	4.55	20.70	18.86	18.97	18.96	0.00	19.00
		1	37	19.84	19.76	19.74	4.55	20.70	18.70	18.86	18.82	0.00	19.00
		1	74	19.99	19.90	19.83	4.55	20.70	18.99	18.90	18.87	0.00	19.00
	16QAM	36	0	19.87	19.88	19.84	4.55	20.70	18.84	19.00	18.98	0.00	19.00
		36	20	19.71	19.85	19.94	4.55	20.70	18.99	18.79	18.95	0.00	19.00
		36	39	19.92	19.81	19.99	4.55	20.70	18.76	18.99	18.94	0.00	19.00
		75	0	19.95	19.77	19.83	4.55	20.70	18.99	18.95	18.93	0.00	19.00

LTE Band 7 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20800	21100	21400	MPR	Tune-up Limit	20800	21100	21400	MPR	Tune-up Limit
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	24.86	24.71	24.79	0.00	25.25	18.53	18.50	18.53	0.00	19.00
		1	25	24.79	24.67	24.72	0.00	25.25	18.52	18.44	18.46	0.00	19.00
		1	49	24.85	24.64	24.74	0.00	25.25	18.49	18.45	18.46	0.00	19.00
		25	0	23.95	24.16	24.20	0.55	24.70	18.71	18.63	18.62	0.00	19.00
		25	12	23.98	24.19	24.22	0.55	24.70	18.72	18.65	18.61	0.00	19.00
		25	25	23.92	24.15	24.16	0.55	24.70	18.69	18.62	18.58	0.00	19.00
	16QAM	1	0	23.94	24.16	24.20	0.55	24.70	18.71	18.61	18.60	0.00	19.00
		1	25	24.29	24.19	24.12	0.55	24.70	18.73	18.52	18.95	0.00	19.00
		1	25	24.24	24.08	24.03	0.55	24.70	18.62	18.45	18.91	0.00	19.00
		1	49	24.26	24.12	24.05	0.55	24.70	18.64	18.45	18.92	0.00	19.00
		25	0	23.02	23.26	23.22	1.55	23.70	18.82	18.69	18.71	0.00	19.00
		25	12	23.01	23.28	23.22	1.55	23.70	18.84	18.67	18.68	0.00	19.00
	64QAM	25	25	22.98	23.24	23.18	1.55	23.70	18.82	18.64	18.66	0.00	19.00
		50	0	22.99	23.22	23.15	1.55	23.70	18.74	18.61	18.66	0.00	19.00
		1	0	22.85	22.79	22.93	1.55	23.70	18.72	18.79	18.82	0.00	19.00
		1	25	22.90	22.81	22.85	1.55	23.70	18.80	18.80	18.74	0.00	19.00
		1	49	22.77	22.71	22.84	1.55	23.70	18.73	18.71	18.89	0.00	19.00
		25	0	21.99	21.95	21.90	2.55	22.70	18.86	18.93	18.94	0.00	19.00
	256QAM	25	12	21.78	21.97	21.76	2.55	22.70	18.91	18.87	18.87	0.00	19.00
		25	25	21.71	21.77	21.92	2.55	22.70	18.71	18.91	18.80	0.00	19.00
		50	0	21.95	21.82	21.71	2.55	22.70	18.79	18.84	18.93	0.00	19.00
		1	0	19.81	19.92	19.99	4.55	20.70	18.82	18.88	18.83	0.00	19.00
		1	25	19.73	19.72	19.82	4.55	20.70	18.99	18.76	18.87	0.00	19.00
		1	49	19.77	19.78	19.76	4.55	20.70	18.98	18.91	18.84	0.00	19.00
5 MHz	QPSK	25	0	19.73	19.97	19.79	4.55	20.70	18.99	18.89	18.94	0.00	19.00
		25	12	19.92	19.94	19.97	4.55	20.70	18.97	18.75	18.88	0.00	19.00
		25	25	19.71	19.85	19.73	4.55	20.70	18.87	18.77	18.83	0.00	19.00
		50	0	19.88	19.78	19.72	4.55	20.70	18.79	18.70	18.70	0.00	19.00
	16QAM	1	0	24.79	24.83	24.85	0.00	25.25	18.68	18.62	18.46	0.00	19.00
		1	12	24.82	24.78	24.79	0.00	25.25	18.61	18.56	18.46	0.00	19.00
		1	24	24.86	24.82	24.82	0.00	25.25	18.65	18.55	18.46	0.00	19.00
		12	0	23.92	24.21	24.12	0.55	24.70	18.72	18.61	18.58	0.00	19.00
		12	7	23.89	24.18	24.12	0.55	24.70	18.72	18.59	18.58	0.00	19.00
		12	13	23.92	24.18	24.13	0.55	24.70	18.73	18.58	18.58	0.00	19.00
	64QAM	25	0	23.93	24.15	24.13	0.55	24.70	18.70	18.61	18.61	0.00	19.00
		1	0	24.44	24.32	24.27	0.55	24.70	18.83	18.80	18.95	0.00	19.00
		1	12	24.37	24.26	24.21	0.55	24.70	18.77	18.71	18.94	0.00	19.00
		1	24	24.43	24.32	24.26	0.55	24.70	18.86	18.75	18.96	0.00	19.00
		12	0	23.06	23.24	23.22	1.55	23.70	18.82	18.74	18.72	0.00	19.00
		12	7	23.05	23.19	23.19	1.55	23.70	18.80	18.71	18.74	0.00	19.00
	256QAM	12	13	23.04	23.18	23.19	1.55	23.70	18.79	18.69	18.76	0.00	19.00
		25	0	22.98	23.12	23.14	1.55	23.70	18.69	18.66	18.66	0.00	19.00
		1	0	22.85	22.90	22.96	1.55	23.70	18.75	18.92	18.87	0.00	19.00
		1	12	22.78	22.86	22.72	1.55	23.70	18.76	18.83	18.93	0.00	19.00
		1	24	22.72	22.85	22.87	1.55	23.70	18.76	18.73	18.72	0.00	19.00
		12	0	21.86	21.99	21.77	2.55	22.70	18.80	19.00	18.97	0.00	19.00
	16QAM	12	7	21.75	21.70	21.92	2.55	22.70	18.78	18.75	18.73	0.00	19.00
		12	13	21.86	21.96	21.93	2.55	22.70	18.71	18.93	18.86	0.00	19.00
		25	0	21.91	21.88	21.78	2.55	22.70	18.72	18.79	18.79	0.00	19.00
		1	0	19.94	19.77	19.77	4.55	20.70	18.85	18.98	18.72	0.00	19.00
		1	12	19.96	19.76	19.91	4.55	20.70	18.99	18.70	18.98	0.00	19.00
		1	24	19.78	19.70	19.81	4.55	20.70	18.86	18.81	18.91	0.00	19.00
	256QAM	12	0	19.77	19.82	19.96	4.55	20.70	18.86	18.88	18.88	0.00	19.00
		12	7	19.88	19.78	19.87	4.55	20.70	18.94	18.75	18.94	0.00	19.00
		12	13	19.76	19.73	19.97	4.55	20.70	18.73	18.86	18.95	0.00	19.00
		25	0	19.86	19.94	19.72	4.55	20.70	18.97	18.82	18.72	0.00	19.00

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	18.72	18.93	18.75	0.00	19.00	19.01	19.06	19.03	0.00	19.25
		1	49	18.90	18.94	18.96	0.00	19.00	19.01	19.08	19.19	0.00	19.25
		1	99	18.73	18.73	18.73	0.00	19.00	18.92	19.01	19.11	0.00	19.25
		50	0	18.94	18.96	18.90	0.00	19.00	18.96	19.01	19.04	0.00	19.25
		50	24	18.99	18.98	18.98	0.00	19.00	18.97	19.16	19.17	0.00	19.25
		50	50	18.88	18.87	18.88	0.00	19.00	18.94	19.13	19.11	0.00	19.25
	16QAM	100	0	18.86	18.74	18.91	0.00	19.00	19.01	19.06	19.02	0.00	19.25
		1	0	18.94	18.72	18.91	0.00	19.00	18.89	18.87	18.93	0.00	19.25
		1	49	18.77	18.82	18.79	0.00	19.00	18.98	18.87	18.80	0.00	19.25
		1	99	18.73	18.96	18.95	0.00	19.00	18.73	18.73	18.72	0.00	19.25
		50	0	18.70	18.93	18.76	0.00	19.00	18.80	18.81	18.79	0.00	19.25
		50	24	18.72	18.78	18.85	0.00	19.00	18.78	19.00	18.84	0.00	19.25
	64QAM	50	50	19.00	18.97	18.78	0.00	19.00	18.75	18.73	18.79	0.00	19.25
		100	0	18.97	18.72	18.80	0.00	19.00	18.81	18.70	18.95	0.00	19.25
		1	0	18.76	18.99	18.77	0.00	19.00	18.83	18.75	18.76	0.00	19.25
		1	49	18.94	18.97	18.91	0.00	19.00	18.94	18.83	18.75	0.00	19.25
		1	99	18.77	18.93	18.79	0.00	19.00	18.76	18.81	18.96	0.00	19.25
		50	0	18.93	18.84	18.92	0.00	19.00	18.94	18.80	18.81	0.00	19.25
	256QAM	50	24	18.79	18.97	18.76	0.00	19.00	18.77	18.85	18.90	0.00	19.25
		50	50	18.95	18.85	18.83	0.00	19.00	18.72	18.88	18.81	0.00	19.25
		100	0	18.80	18.90	18.97	0.00	19.00	18.77	18.90	18.97	0.00	19.25
		1	0	17.74	17.61	17.79	1.20	17.80	17.30	17.53	17.26	1.45	17.80
		1	49	17.58	17.65	17.75	1.20	17.80	17.41	17.41	17.35	1.45	17.80
		1	99	17.54	17.79	17.63	1.20	17.80	17.41	17.29	17.27	1.45	17.80
15 MHz	QPSK	50	0	17.63	17.69	17.62	1.20	17.80	17.38	17.31	17.26	1.45	17.80
		50	24	17.61	17.51	17.66	1.20	17.80	17.43	17.48	17.33	1.45	17.80
		50	50	17.78	17.73	17.77	1.20	17.80	17.39	17.28	17.44	1.45	17.80
		100	0	17.56	17.80	17.63	1.20	17.80	17.45	17.42	17.38	1.45	17.80
	16QAM	1	0	18.75	18.93	18.90	0.00	19.00	18.85	18.81	18.92	0.00	19.25
		1	37	18.78	18.87	18.94	0.00	19.00	18.83	18.73	18.88	0.00	19.25
		1	74	18.82	18.75	18.85	0.00	19.00	18.86	18.92	18.73	0.00	19.25
		36	0	18.86	18.96	18.98	0.00	19.00	18.95	18.83	18.74	0.00	19.25
		36	20	18.79	18.85	18.97	0.00	19.00	18.89	18.71	18.96	0.00	19.25
		36	39	18.79	18.98	18.97	0.00	19.00	18.97	18.74	18.93	0.00	19.25
		75	0	18.92	18.74	18.71	0.00	19.00	18.79	18.91	18.73	0.00	19.25
		1	0	18.84	18.85	18.90	0.00	19.00	18.89	18.86	19.00	0.00	19.25
		1	37	18.86	18.96	18.92	0.00	19.00	18.81	18.85	18.84	0.00	19.25
		1	74	18.85	18.82	18.77	0.00	19.00	18.73	18.70	18.94	0.00	19.25
		36	0	18.73	18.82	18.82	0.00	19.00	18.83	18.84	18.74	0.00	19.25
		36	20	18.93	18.89	18.83	0.00	19.00	18.74	18.80	18.79	0.00	19.25
	64QAM	36	39	18.71	18.76	18.87	0.00	19.00	18.71	18.92	18.73	0.00	19.25
		75	0	18.85	18.75	18.80	0.00	19.00	18.75	18.71	18.88	0.00	19.25
		1	0	18.99	18.99	18.95	0.00	19.00	18.92	18.78	18.84	0.00	19.25
		1	37	18.99	18.79	18.79	0.00	19.00	18.98	18.81	18.99	0.00	19.25
		1	74	18.79	18.72	18.79	0.00	19.00	18.75	18.92	18.90	0.00	19.25
		36	0	18.86	18.75	18.90	0.00	19.00	18.76	18.83	18.90	0.00	19.25
15 MHz	256QAM	36	20	18.86	18.91	18.88	0.00	19.00	18.95	18.91	18.80	0.00	19.25
		36	39	18.96	18.96	18.98	0.00	19.00	18.77	18.86	18.83	0.00	19.25
		75	0	18.83	18.72	18.85	0.00	19.00	18.82	18.83	18.75	0.00	19.25
		1	0	17.72	17.63	17.77	1.20	17.80	17.26	17.32	17.28	1.45	17.80
		1	37	17.76	17.60	17.72	1.20	17.80	17.28	17.38	17.25	1.45	17.80
		1	74	17.70	17.74	17.70	1.20	17.80	17.48	17.50	17.37	1.45	17.80
	256QAM	36	0	17.61	17.57	17.52	1.20	17.80	17.52	17.52	17.43	1.45	17.80
		36	20	17.71	17.69	17.52	1.20	17.80	17.34	17.46	17.36	1.45	17.80
		36	39	17.61	17.73	17.63	1.20	17.80	17.43	17.36	17.49	1.45	17.80
		75	0	17.56	17.53	17.70	1.20	17.80	17.41	17.43	17.38	1.45	17.80

LTE Band 7 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20800	21100	21400	MPR	Tune-up Limit	20800	21100	21400	MPR	Tune-up Limit
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	18.87	18.86	18.73	0.00	19.00	18.78	18.82	18.74	0.00	19.25
		1	25	18.94	18.89	18.72	0.00	19.00	18.89	18.71	18.88	0.00	19.25
		1	49	18.86	18.95	18.95	0.00	19.00	18.71	18.90	18.73	0.00	19.25
		25	0	18.81	18.78	18.93	0.00	19.00	18.81	18.81	18.73	0.00	19.25
		25	12	18.90	19.00	18.80	0.00	19.00	18.86	18.87	18.85	0.00	19.25
		25	25	18.84	18.93	18.96	0.00	19.00	18.74	18.78	18.94	0.00	19.25
	16QAM	50	0	18.72	18.73	18.93	0.00	19.00	18.72	18.70	18.90	0.00	19.25
		1	0	18.73	18.72	18.94	0.00	19.00	18.82	18.90	18.93	0.00	19.25
		1	25	18.73	18.82	18.87	0.00	19.00	18.87	18.85	18.96	0.00	19.25
		1	49	18.88	18.93	18.74	0.00	19.00	18.96	18.96	18.99	0.00	19.25
		25	0	18.74	18.95	18.78	0.00	19.00	18.90	18.81	18.88	0.00	19.25
		25	12	18.78	18.81	18.81	0.00	19.00	18.89	18.87	18.85	0.00	19.25
	64QAM	25	25	18.82	18.97	18.99	0.00	19.00	18.88	18.85	18.79	0.00	19.25
		50	0	18.79	18.89	18.78	0.00	19.00	18.83	18.71	18.70	0.00	19.25
		1	0	18.80	18.81	18.99	0.00	19.00	18.86	18.85	18.73	0.00	19.25
		1	25	18.99	18.72	18.79	0.00	19.00	18.94	18.97	18.73	0.00	19.25
		1	49	18.77	18.97	18.71	0.00	19.00	18.76	18.82	18.81	0.00	19.25
		25	0	18.82	18.86	18.94	0.00	19.00	18.71	18.99	18.84	0.00	19.25
	256QAM	25	12	18.85	18.79	18.72	0.00	19.00	18.99	18.80	18.77	0.00	19.25
		25	25	18.93	18.75	18.98	0.00	19.00	18.88	18.84	18.90	0.00	19.25
		50	0	18.82	18.78	18.94	0.00	19.00	18.80	18.95	18.84	0.00	19.25
		1	0	17.53	17.79	17.61	1.20	17.80	17.37	17.42	17.28	1.45	17.80
		1	25	17.56	17.64	17.77	1.20	17.80	17.40	17.32	17.34	1.45	17.80
		1	49	17.63	17.75	17.72	1.20	17.80	17.36	17.52	17.34	1.45	17.80
5 MHz	QPSK	25	0	17.53	17.75	17.77	1.20	17.80	17.45	17.28	17.43	1.45	17.80
		25	12	17.63	17.54	17.72	1.20	17.80	17.29	17.46	17.44	1.45	17.80
		25	25	17.51	17.66	17.58	1.20	17.80	17.51	17.45	17.34	1.45	17.80
		50	0	17.54	17.70	17.52	1.20	17.80	17.40	17.32	17.40	1.45	17.80
	16QAM	1	0	18.81	18.71	18.86	0.00	19.00	18.84	18.82	18.96	0.00	19.25
		1	12	18.75	18.75	18.86	0.00	19.00	18.91	18.90	18.81	0.00	19.25
		1	24	18.72	18.82	18.77	0.00	19.00	18.84	18.91	18.93	0.00	19.25
		12	0	18.84	18.96	18.74	0.00	19.00	18.98	18.80	18.82	0.00	19.25
		12	7	18.86	18.79	18.89	0.00	19.00	18.90	18.93	19.00	0.00	19.25
		12	13	18.81	18.73	18.74	0.00	19.00	18.76	18.85	18.74	0.00	19.25
	64QAM	25	0	18.94	18.79	18.80	0.00	19.00	18.99	18.86	18.81	0.00	19.25
		1	0	18.81	18.73	18.74	0.00	19.00	18.95	18.84	18.97	0.00	19.25
		1	12	18.98	18.74	18.86	0.00	19.00	18.76	18.77	18.86	0.00	19.25
		1	24	19.00	18.92	18.73	0.00	19.00	18.91	18.78	18.76	0.00	19.25
		12	0	18.85	18.89	18.79	0.00	19.00	18.97	18.95	18.92	0.00	19.25
		12	7	18.94	18.86	18.98	0.00	19.00	18.91	18.95	18.86	0.00	19.25
	256QAM	12	13	18.79	18.90	18.86	0.00	19.00	18.94	18.85	18.82	0.00	19.25
		25	0	18.81	18.80	18.94	0.00	19.00	18.75	18.72	18.82	0.00	19.25
		1	0	19.00	18.97	18.94	0.00	19.00	18.90	18.95	18.70	0.00	19.25
		1	12	18.80	19.00	18.75	0.00	19.00	18.93	18.97	18.85	0.00	19.25
		1	24	18.78	18.92	18.72	0.00	19.00	18.80	18.78	18.70	0.00	19.25
		12	0	18.70	18.71	18.78	0.00	19.00	18.72	18.96	18.82	0.00	19.25
5 MHz	64QAM	12	7	18.99	18.95	18.99	0.00	19.00	18.89	18.86	18.82	0.00	19.25
		12	13	18.73	19.00	18.91	0.00	19.00	18.80	18.97	18.79	0.00	19.25
		25	0	18.92	18.83	18.84	0.00	19.00	18.94	18.84	18.97	0.00	19.25
		1	0	17.57	17.65	17.73	1.20	17.80	17.36	17.50	17.51	1.45	17.80
		1	12	17.51	17.68	17.78	1.20	17.80	17.44	17.40	17.54	1.45	17.80
		1	24	17.80	17.72	17.59	1.20	17.80	17.36	17.33	17.33	1.45	17.80
	256QAM	12	0	17.79	17.58	17.66	1.20	17.80	17.43	17.54	17.44	1.45	17.80
		12	7	17.63	17.58	17.62	1.20	17.80	17.36	17.45	17.30	1.45	17.80
		12	13	17.66	17.69	17.65	1.20	17.80	17.52	17.51	17.51	1.45	17.80
		25	0	17.54	17.61	17.64	1.20	17.80	17.50	17.52	17.51	1.45	17.80

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	24.09	24.20	24.06	0.00	24.50	18.48	18.64	18.51	0.00	19.00
		1	49	24.37	24.35	24.04	0.00	24.50	18.92	18.96	18.86	0.00	19.00
		1	99	24.27	24.09	23.98	0.00	24.50	18.69	18.51	18.42	0.00	19.00
		50	0	23.30	23.56	23.43	0.80	23.70	18.71	18.70	18.57	0.00	19.00
		50	24	23.37	23.61	23.45	0.80	23.70	18.80	19.00	18.82	0.00	19.00
		50	50	23.35	23.41	23.36	0.80	23.70	18.79	18.56	18.49	0.00	19.00
	16QAM	100	0	23.30	23.49	23.42	0.80	23.70	18.74	18.98	18.58	0.00	19.00
		1	0	23.29	23.57	23.55	0.80	23.70	18.74	18.83	18.86	0.00	19.00
		1	49	23.49	23.45	23.48	0.80	23.70	18.93	18.72	18.83	0.00	19.00
		1	99	23.47	23.49	23.50	0.80	23.70	19.00	18.69	18.86	0.00	19.00
		50	0	22.32	22.54	22.48	1.80	22.70	18.77	18.70	18.64	0.00	19.00
		50	24	22.37	22.46	22.48	1.80	22.70	18.83	18.67	18.66	0.00	19.00
	64QAM	50	50	22.35	22.40	22.38	1.80	22.70	18.82	18.58	18.53	0.00	19.00
		100	0	22.33	22.50	22.47	1.80	22.70	18.77	18.68	18.63	0.00	19.00
		1	0	22.19	22.04	22.05	1.80	22.70	18.38	18.39	18.32	0.00	19.00
		1	49	22.10	22.25	22.07	1.80	22.70	18.41	18.22	18.35	0.00	19.00
		1	99	22.15	22.09	22.03	1.80	22.70	18.29	18.29	18.30	0.00	19.00
		50	0	21.09	21.27	21.15	2.80	21.70	18.37	18.41	18.41	0.00	19.00
	256QAM	50	24	21.08	21.15	21.24	2.80	21.70	18.42	18.31	18.40	0.00	19.00
		50	50	21.04	21.17	21.19	2.80	21.70	18.32	18.44	18.45	0.00	19.00
		100	0	21.06	21.13	21.16	2.80	21.70	18.43	18.30	18.27	0.00	19.00
		1	0	19.22	19.16	19.05	4.80	19.70	18.32	18.50	18.39	0.00	19.00
		1	49	19.29	19.26	19.22	4.80	19.70	18.47	18.24	18.44	0.00	19.00
		1	99	19.08	19.22	19.14	4.80	19.70	18.21	18.38	18.29	0.00	19.00
15 MHz	QPSK	50	0	19.12	19.06	19.25	4.80	19.70	18.44	18.21	18.21	0.00	19.00
		50	24	19.27	19.12	19.27	4.80	19.70	18.25	18.20	18.26	0.00	19.00
		50	50	19.04	19.22	19.09	4.80	19.70	18.50	18.21	18.43	0.00	19.00
		100	0	19.22	19.29	19.21	4.80	19.70	18.23	18.37	18.30	0.00	19.00
	16QAM	1	0	24.11	24.21	24.03	0.00	24.50	18.49	18.64	18.47	0.00	19.00
		1	37	24.33	24.10	23.99	0.00	24.50	18.74	18.59	18.42	0.00	19.00
		1	74	24.40	24.12	23.98	0.00	24.50	18.81	18.56	18.37	0.00	19.00
		36	0	23.29	23.49	23.43	0.80	23.70	18.71	18.63	18.56	0.00	19.00
		36	20	23.43	23.54	23.43	0.80	23.70	18.85	18.63	18.58	0.00	19.00
		36	39	23.38	23.41	23.34	0.80	23.70	18.84	18.56	18.47	0.00	19.00
	64QAM	75	0	23.28	23.49	23.42	0.80	23.70	18.72	18.61	18.56	0.00	19.00
		1	0	23.19	23.57	23.35	0.80	23.70	18.95	19.00	18.45	0.00	19.00
		1	37	23.42	23.57	23.33	0.80	23.70	18.90	18.99	18.45	0.00	19.00
		1	74	23.47	23.53	23.29	0.80	23.70	19.00	18.96	18.42	0.00	19.00
		36	0	22.33	22.50	22.42	1.80	22.70	18.77	18.64	18.57	0.00	19.00
		36	20	22.44	22.50	22.45	1.80	22.70	18.92	18.65	18.59	0.00	19.00
	256QAM	36	39	22.41	22.39	22.32	1.80	22.70	18.88	18.57	18.50	0.00	19.00
		75	0	22.34	22.48	22.40	1.80	22.70	18.80	18.64	18.58	0.00	19.00
		1	0	22.18	22.26	22.10	1.80	22.70	18.28	18.31	18.34	0.00	19.00
		1	37	22.14	22.22	22.01	1.80	22.70	18.32	18.45	18.49	0.00	19.00
		1	74	22.23	22.12	22.10	1.80	22.70	18.36	18.22	18.38	0.00	19.00
		36	0	21.24	21.25	21.12	2.80	21.70	18.36	18.40	18.34	0.00	19.00
15 MHz	64QAM	36	20	21.22	21.02	21.14	2.80	21.70	18.32	18.38	18.50	0.00	19.00
		36	39	21.25	21.06	21.02	2.80	21.70	18.37	18.40	18.26	0.00	19.00
		75	0	21.14	21.08	21.27	2.80	21.70	18.47	18.38	18.44	0.00	19.00
	256QAM	1	0	19.19	19.02	19.29	4.80	19.70	18.25	18.31	18.43	0.00	19.00
		1	37	19.02	19.20	19.12	4.80	19.70	18.39	18.49	18.43	0.00	19.00
		1	74	19.04	19.23	19.30	4.80	19.70	18.44	18.44	18.21	0.00	19.00
	256QAM	36	0	19.12	19.10	19.07	4.80	19.70	18.34	18.32	18.43	0.00	19.00
		36	20	19.20	19.17	19.00	4.80	19.70	18.45	18.22	18.27	0.00	19.00
		36	39	19.02	19.22	19.12	4.80	19.70	18.28	18.45	18.33	0.00	19.00
		75	0	19.19	19.02	19.27	4.80	19.70	18.46	18.35	18.28	0.00	19.00

LTE Band 7 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20800	21100	21400	MPR	Tune-up Limit	20800	21100	21400	MPR	Tune-up Limit
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	24.10	24.06	23.97	0.00	24.50	18.49	18.52	18.40	0.00	19.00
		1	25	24.25	23.98	23.94	0.00	24.50	18.62	18.45	18.36	0.00	19.00
		1	49	24.34	23.97	23.94	0.00	24.50	18.70	18.40	18.39	0.00	19.00
		25	0	23.26	23.48	23.44	0.80	23.70	18.66	18.63	18.59	0.00	19.00
		25	12	23.30	23.49	23.46	0.80	23.70	18.71	18.69	18.61	0.00	19.00
		25	25	23.34	23.40	23.41	0.80	23.70	18.76	18.56	18.54	0.00	19.00
	16QAM	1	0	23.25	23.48	23.42	0.80	23.70	18.71	18.65	18.56	0.00	19.00
		1	25	23.57	23.52	23.31	0.80	23.70	18.90	18.69	18.44	0.00	19.00
		1	25	23.67	23.36	23.25	0.80	23.70	18.99	18.54	18.38	0.00	19.00
		1	49	23.64	23.39	23.30	0.80	23.70	19.00	18.56	18.43	0.00	19.00
		25	0	22.32	22.59	22.45	1.80	22.70	18.76	18.78	18.61	0.00	19.00
		25	12	22.38	22.59	22.45	1.80	22.70	18.77	18.78	18.62	0.00	19.00
	64QAM	25	25	22.39	22.49	22.42	1.80	22.70	18.85	18.68	18.60	0.00	19.00
		50	0	22.31	22.50	22.41	1.80	22.70	18.77	18.70	18.56	0.00	19.00
		1	0	22.27	22.13	22.13	1.80	22.70	18.39	18.37	18.27	0.00	19.00
		1	25	22.28	22.21	22.14	1.80	22.70	18.44	18.38	18.27	0.00	19.00
		1	49	22.07	22.05	22.16	1.80	22.70	18.29	18.35	18.34	0.00	19.00
		25	0	21.26	21.07	21.15	2.80	21.70	18.30	18.27	18.34	0.00	19.00
	256QAM	25	12	21.11	21.06	21.16	2.80	21.70	18.44	18.43	18.21	0.00	19.00
		25	25	21.25	21.14	21.17	2.80	21.70	18.43	18.25	18.35	0.00	19.00
		50	0	21.28	21.14	21.27	2.80	21.70	18.31	18.27	18.35	0.00	19.00
		1	0	19.00	19.02	19.19	4.80	19.70	18.39	18.36	18.42	0.00	19.00
		1	25	19.18	19.28	19.22	4.80	19.70	18.34	18.37	18.43	0.00	19.00
		1	49	19.02	19.10	19.12	4.80	19.70	18.31	18.22	18.46	0.00	19.00
5 MHz	QPSK	25	0	19.27	19.24	19.28	4.80	19.70	18.22	18.33	18.28	0.00	19.00
		25	12	19.23	19.04	19.20	4.80	19.70	18.42	18.45	18.39	0.00	19.00
		25	25	19.25	19.07	19.03	4.80	19.70	18.49	18.25	18.48	0.00	19.00
		50	0	19.09	19.26	19.08	4.80	19.70	18.35	18.43	18.49	0.00	19.00
	16QAM	1	0	24.14	24.11	24.03	0.00	24.50	18.78	18.72	18.44	0.00	19.00
		1	12	24.20	24.10	24.00	0.00	24.50	18.57	18.62	18.44	0.00	19.00
		1	24	24.36	24.03	24.02	0.00	24.50	18.72	18.56	18.46	0.00	19.00
		12	0	23.16	23.51	23.42	0.80	23.70	18.66	18.66	18.55	0.00	19.00
		12	7	23.21	23.50	23.39	0.80	23.70	18.74	18.65	18.55	0.00	19.00
		12	13	23.23	23.45	23.38	0.80	23.70	18.73	18.63	18.54	0.00	19.00
	64QAM	25	0	23.24	23.50	23.40	0.80	23.70	18.70	18.61	18.56	0.00	19.00
		1	0	23.32	23.70	23.52	0.80	23.70	18.65	18.80	19.00	0.00	19.00
		1	12	23.36	23.68	23.48	0.80	23.70	18.78	18.72	18.97	0.00	19.00
		1	24	23.54	23.66	23.50	0.80	23.70	18.90	18.70	18.98	0.00	19.00
		12	0	22.25	22.61	22.45	1.80	22.70	18.72	18.78	18.71	0.00	19.00
		12	7	22.30	22.58	22.43	1.80	22.70	18.75	18.73	18.68	0.00	19.00
	256QAM	12	13	22.31	22.63	22.44	1.80	22.70	18.76	18.73	18.69	0.00	19.00
		25	0	22.24	22.53	22.34	1.80	22.70	18.68	18.66	18.62	0.00	19.00
		1	0	22.22	22.05	22.27	1.80	22.70	18.24	18.45	18.28	0.00	19.00
		1	12	22.16	22.18	22.17	1.80	22.70	18.22	18.38	18.40	0.00	19.00
		1	24	22.13	22.29	22.19	1.80	22.70	18.20	18.35	18.46	0.00	19.00
		12	0	21.18	21.19	21.06	2.80	21.70	18.50	18.34	18.35	0.00	19.00
	64QAM	12	7	21.29	21.07	21.10	2.80	21.70	18.34	18.26	18.43	0.00	19.00
		12	13	21.29	21.08	21.12	2.80	21.70	18.32	18.24	18.37	0.00	19.00
		25	0	21.30	21.12	21.13	2.80	21.70	18.21	18.22	18.24	0.00	19.00
	256QAM	1	0	19.18	19.22	19.20	4.80	19.70	18.35	18.46	18.24	0.00	19.00
		1	12	19.07	19.21	19.03	4.80	19.70	18.30	18.40	18.33	0.00	19.00
		1	24	19.23	19.15	19.04	4.80	19.70	18.28	18.49	18.36	0.00	19.00
	256QAM	12	0	19.24	19.21	19.25	4.80	19.70	18.37	18.40	18.22	0.00	19.00
		12	7	19.04	19.26	19.24	4.80	19.70	18.21	18.45	18.45	0.00	19.00
		12	13	19.28	19.03	19.13	4.80	19.70	18.26	18.44	18.20	0.00	19.00
		25	0	19.07	19.14	19.05	4.80	19.70	18.28	18.27	18.31	0.00	19.00

LTE Band 7 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20850	21100	21350	MPR	Tune-up Limit	20850	21100	21350	MPR	Tune-up Limit
				2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	19.16	19.06	19.07	0.00	19.50	20.19	20.06	20.02	0.00	20.25
		1	49	19.25	19.21	19.17	0.00	19.50	20.24	20.24	20.25	0.00	20.25
		1	99	19.20	19.10	18.95	0.00	19.50	19.96	20.21	20.20	0.00	20.25
		50	0	19.18	19.00	19.25	0.00	19.50	20.17	20.15	20.09	0.00	20.25
		50	24	19.23	19.07	19.25	0.00	19.50	20.22	20.16	20.24	0.00	20.25
		50	50	19.07	19.06	19.07	0.00	19.50	20.15	20.09	20.16	0.00	20.25
	16QAM	100	0	19.06	19.24	19.23	0.00	19.50	20.00	20.03	19.97	0.00	20.25
		1	0	18.50	19.12	19.06	0.00	19.50	20.01	20.24	19.65	0.00	20.25
		1	49	18.89	18.92	18.82	0.00	19.50	19.96	20.09	19.97	0.00	20.25
		1	99	18.89	18.97	18.92	0.00	19.50	20.00	20.10	20.00	0.00	20.25
		50	0	18.74	18.73	18.65	0.00	19.50	19.38	19.48	19.49	0.05	20.20
		50	24	18.51	18.72	18.64	0.00	19.50	19.36	19.46	19.54	0.05	20.20
	64QAM	50	50	18.56	18.69	18.67	0.00	19.50	19.42	19.44	19.60	0.05	20.20
		100	0	18.79	18.71	18.58	0.00	19.50	19.40	19.48	19.50	0.05	20.20
		1	0	19.49	19.38	19.48	0.00	19.50	20.19	20.03	20.07	0.05	20.20
		1	49	19.48	19.31	19.40	0.00	19.50	20.13	20.14	20.13	0.05	20.20
		1	99	19.39	19.35	19.49	0.00	19.50	20.04	20.15	20.10	0.05	20.20
		50	0	19.06	19.04	19.09	0.30	19.20	19.15	19.02	19.06	1.05	19.20
	256QAM	50	24	19.11	19.03	19.07	0.30	19.20	19.10	19.12	19.03	1.05	19.20
		50	50	19.07	19.08	19.07	0.30	19.20	19.14	19.04	19.05	1.05	19.20
		100	0	19.06	19.05	19.10	0.30	19.20	19.10	19.05	19.07	1.05	19.20
		1	0	17.17	17.09	17.04	2.30	17.20	17.02	17.17	17.17	3.05	17.20
		1	49	17.11	17.08	17.18	2.30	17.20	17.14	17.16	17.16	3.05	17.20
		1	99	17.19	17.10	17.04	2.30	17.20	17.00	17.06	17.13	3.05	17.20
15 MHz	QPSK	50	0	17.02	17.13	17.09	2.30	17.20	17.15	17.19	17.08	3.05	17.20
		50	24	17.06	17.10	17.02	2.30	17.20	17.08	17.13	17.09	3.05	17.20
		50	50	17.11	17.07	17.12	2.30	17.20	17.07	17.11	17.18	3.05	17.20
		100	0	17.15	17.14	17.11	2.30	17.20	17.15	17.17	17.03	3.05	17.20
		1	0	18.60	18.62	18.56	0.00	19.50	19.90	19.92	19.58	0.00	20.25
		1	37	18.65	18.58	18.54	0.00	19.50	19.86	19.87	19.93	0.00	20.25
	16QAM	1	74	18.76	18.57	18.78	0.00	19.50	19.89	19.90	20.00	0.00	20.25
		36	0	18.58	18.68	18.59	0.00	19.50	19.91	19.96	19.39	0.00	20.25
		36	20	18.73	18.68	18.66	0.00	19.50	19.99	19.97	19.54	0.00	20.25
		36	39	18.70	18.64	18.62	0.00	19.50	19.95	19.93	19.54	0.00	20.25
		75	0	18.60	18.64	18.64	0.00	19.50	19.95	19.93	19.45	0.00	20.25
		1	0	18.71	19.08	18.65	0.00	19.50	20.02	20.09	19.43	0.00	20.25
	64QAM	1	37	19.09	19.04	18.64	0.00	19.50	20.00	20.03	19.48	0.00	20.25
		1	74	19.16	19.01	18.61	0.00	19.50	19.95	19.98	19.53	0.00	20.25
		36	0	18.77	18.68	18.60	0.00	19.50	19.45	19.44	19.40	0.05	20.20
		36	20	18.60	18.68	18.70	0.00	19.50	19.51	19.45	19.57	0.05	20.20
		36	39	18.57	18.62	18.64	0.00	19.50	19.47	19.40	19.55	0.05	20.20
		75	0	18.79	18.67	18.66	0.00	19.50	19.49	19.42	19.48	0.05	20.20
	256QAM	1	0	19.46	19.30	19.34	0.00	19.50	20.19	20.08	20.04	0.05	20.20
		1	37	19.42	19.43	19.48	0.00	19.50	20.02	20.01	20.18	0.05	20.20
		1	74	19.46	19.39	19.32	0.00	19.50	20.17	20.06	20.14	0.05	20.20
		36	0	19.13	19.18	19.03	0.30	19.20	19.00	19.03	19.10	1.05	19.20
		36	20	19.18	19.19	19.08	0.30	19.20	19.10	19.06	19.04	1.05	19.20
		36	39	19.18	19.01	19.06	0.30	19.20	19.03	19.02	19.02	1.05	19.20
	256QAM	75	0	19.13	19.06	19.16	0.30	19.20	19.02	19.16	19.03	1.05	19.20
		1	0	17.17	17.09	17.10	2.30	17.20	17.13	17.05	17.11	3.05	17.20
		1	37	17.02	17.11	17.10	2.30	17.20	17.18	17.11	17.16	3.05	17.20
		1	74	17.18	17.14	17.09	2.30	17.20	17.11	17.10	17.07	3.05	17.20
		36	0	17.17	17.03	17.07	2.30	17.20	17.07	17.18	17.13	3.05	17.20
		36	20	17.18	17.17	17.04	2.30	17.20	17.15	17.19	17.06	3.05	17.20
	256QAM	36	39	17.03	17.11	17.19	2.30	17.20	17.09	17.00	17.05	3.05	17.20
		75	0	17.12	17.13	17.18	2.30	17.20	17.05	17.16	17.06	3.05	17.20

LTE Band 7 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20800	21100	21400	MPR	Tune-up Limit	20800	21100	21400	MPR	Tune-up Limit
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	18.58	18.78	18.79	0.00	19.50	19.77	19.85	19.56	0.00	20.25
		1	25	18.55	18.75	18.74	0.00	19.50	19.77	19.80	19.82	0.00	20.25
		1	49	18.72	18.70	18.80	0.00	19.50	19.69	19.82	19.98	0.00	20.25
		25	0	18.54	18.64	18.62	0.00	19.50	19.88	19.98	19.32	0.00	20.25
		25	12	18.61	18.64	18.59	0.00	19.50	19.88	19.95	19.40	0.00	20.25
		25	25	18.69	18.61	18.63	0.00	19.50	19.93	19.94	19.45	0.00	20.25
	16QAM	50	0	18.56	18.64	18.57	0.00	19.50	19.87	19.95	19.36	0.00	20.25
		1	0	18.65	18.64	18.58	0.00	19.50	19.95	19.87	19.48	0.00	20.25
		1	25	18.95	18.52	18.55	0.00	19.50	19.84	19.78	19.74	0.00	20.25
		1	49	19.08	18.56	18.55	0.00	19.50	19.88	19.82	19.89	0.00	20.25
		25	0	18.69	18.75	18.61	0.00	19.50	19.49	19.50	19.41	0.05	20.20
		25	12	18.76	18.78	18.60	0.00	19.50	19.51	19.48	19.45	0.05	20.20
	64QAM	25	25	18.77	18.71	18.66	0.00	19.50	19.55	19.46	19.51	0.05	20.20
		50	0	18.71	18.70	18.53	0.00	19.50	19.43	19.43	19.43	0.05	20.20
		1	0	19.36	19.41	19.44	0.00	19.50	20.14	20.16	20.06	0.05	20.20
		1	25	19.40	19.33	19.48	0.00	19.50	20.06	20.06	20.10	0.05	20.20
		1	49	19.30	19.43	19.32	0.00	19.50	20.18	20.05	20.06	0.05	20.20
		25	0	19.16	19.01	19.01	0.30	19.20	19.03	19.07	19.09	1.05	19.20
	256QAM	25	12	19.09	19.13	19.08	0.30	19.20	19.07	19.14	19.05	1.05	19.20
		25	25	19.16	19.16	19.01	0.30	19.20	19.16	19.03	19.08	1.05	19.20
		50	0	19.05	19.00	19.16	0.30	19.20	19.13	19.04	19.11	1.05	19.20
		1	0	17.17	17.08	17.08	2.30	17.20	17.18	17.19	17.19	3.05	17.20
		1	25	17.18	17.09	17.18	2.30	17.20	17.02	17.17	17.06	3.05	17.20
		1	49	17.07	17.03	17.19	2.30	17.20	17.10	17.15	17.08	3.05	17.20
5 MHz	QPSK	25	0	17.10	17.03	17.09	2.30	17.20	17.09	17.03	17.07	3.05	17.20
		25	12	17.15	17.18	17.10	2.30	17.20	17.01	17.06	17.06	3.05	17.20
		25	25	17.20	17.12	17.15	2.30	17.20	17.07	17.16	17.09	3.05	17.20
		50	0	17.15	17.05	17.06	2.30	17.20	17.08	17.19	17.08	3.05	17.20
	16QAM	1	0	18.64	18.85	18.84	0.00	19.50	19.60	19.87	19.90	0.00	20.25
		1	12	18.79	18.83	18.80	0.00	19.50	19.74	19.84	19.84	0.00	20.25
		1	24	18.98	18.82	18.86	0.00	19.50	19.93	19.82	19.89	0.00	20.25
		12	0	18.72	18.95	18.94	0.00	19.50	19.28	19.93	19.92	0.00	20.25
		12	7	18.80	18.93	18.92	0.00	19.50	19.30	19.92	19.92	0.00	20.25
		12	13	18.85	18.93	18.91	0.00	19.50	19.35	19.92	19.90	0.00	20.25
	64QAM	25	0	18.83	18.93	18.93	0.00	19.50	19.32	19.96	19.93	0.00	20.25
		1	0	18.76	19.47	19.05	0.00	19.50	19.33	20.16	20.09	0.00	20.25
		1	12	18.91	19.43	18.98	0.00	19.50	19.40	20.12	20.05	0.00	20.25
		1	24	19.06	19.44	19.01	0.00	19.50	19.58	20.14	20.05	0.00	20.25
		12	0	18.58	19.10	19.01	0.00	19.50	19.58	19.60	19.50	0.05	20.20
		12	7	18.65	19.09	18.95	0.00	19.50	19.55	19.59	19.47	0.05	20.20
	256QAM	12	13	18.72	19.09	18.96	0.00	19.50	19.52	19.56	19.45	0.05	20.20
		25	0	18.63	19.02	18.90	0.00	19.50	19.54	19.50	19.36	0.05	20.20
		1	0	19.38	19.41	19.38	0.00	19.50	20.03	20.06	20.13	0.05	20.20
		1	12	19.35	19.49	19.40	0.00	19.50	20.02	20.01	20.03	0.05	20.20
		1	24	19.46	19.38	19.50	0.00	19.50	20.19	20.09	20.02	0.05	20.20
		12	0	19.20	19.10	19.08	0.30	19.20	19.13	19.03	19.10	1.05	19.20
	64QAM	12	7	19.19	19.07	19.08	0.30	19.20	19.09	19.12	19.14	1.05	19.20
		12	13	19.01	19.04	19.00	0.30	19.20	19.11	19.14	19.07	1.05	19.20
		25	0	19.16	19.02	19.18	0.30	19.20	19.04	19.07	19.13	1.05	19.20
	256QAM	1	0	17.11	17.15	17.02	2.30	17.20	17.10	17.04	17.02	3.05	17.20
		1	12	17.08	17.19	17.12	2.30	17.20	17.20	17.04	17.11	3.05	17.20
		1	24	17.13	17.06	17.17	2.30	17.20	17.06	17.06	17.12	3.05	17.20
		12	0	17.12	17.05	17.06	2.30	17.20	17.05	17.08	17.18	3.05	17.20
		12	7	17.00	17.18	17.19	2.30	17.20	17.10	17.12	17.19	3.05	17.20
		12	13	17.17	17.12	17.18	2.30	17.20	17.20	17.15	17.10	3.05	17.20
		25	0	17.17	17.08	17.07	2.30	17.20	17.06	17.16	17.07	3.05	17.20

LTE Band 12 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					23095		MPR	Tune-up Limit		23095		MPR	Tune-up Limit
					707.5 MHz					707.5 MHz			
10 MHz	QPSK	1	0		25.50		0.00	25.70		25.50		0.00	25.70
		1	25		25.55		0.00	25.70		25.55		0.00	25.70
		1	49		25.41		0.00	25.70		25.41		0.00	25.70
		25	0		24.46		1.00	24.70		24.46		1.00	24.70
		25	12		24.51		1.00	24.70		24.51		1.00	24.70
		25	25		24.27		1.00	24.70		24.27		1.00	24.70
	16QAM	50	0		24.37		1.00	24.70		24.37		1.00	24.70
		1	0		24.53		1.00	24.70		24.53		1.00	24.70
		1	25		24.37		1.00	24.70		24.37		1.00	24.70
		1	49		24.33		1.00	24.70		24.33		1.00	24.70
		25	0		23.55		2.00	23.70		23.55		2.00	23.70
		25	12		23.66		2.00	23.70		23.66		2.00	23.70
	64QAM	25	25		23.55		2.00	23.70		23.55		2.00	23.70
		50	0		23.59		2.00	23.70		23.59		2.00	23.70
		1	0		23.64		2.00	23.70		23.64		2.00	23.70
		1	25		23.45		2.00	23.70		23.45		2.00	23.70
		1	49		23.47		2.00	23.70		23.47		2.00	23.70
		25	0		22.52		3.00	22.70		22.52		3.00	22.70
5 MHz	QPSK	25	12		22.57		3.00	22.70		22.57		3.00	22.70
		25	25		22.42		3.00	22.70		22.42		3.00	22.70
		50	0		22.61		3.00	22.70		22.61		3.00	22.70
	256QAM	1	0		20.4		5.00	20.70		20.44		5.00	20.70
		1	25		20.6		5.00	20.70		20.59		5.00	20.70
		1	49		20.4		5.00	20.70		20.44		5.00	20.70
		25	0		20.5		5.00	20.70		20.49		5.00	20.70
		25	12		20.5		5.00	20.70		20.46		5.00	20.70
		25	25		20.7		5.00	20.70		20.70		5.00	20.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				23035	23095	23155	MPR	Tune-up Limit	23035	23095	23155	MPR	Tune-up Limit
				701.5 MHz	707.5 MHz	713.5 MHz			701.5 MHz	707.5 MHz	713.5 MHz		
5 MHz	QPSK	1	0	25.36	25.30	25.17	0.00	25.70	25.36	25.30	25.17	0.00	25.70
		1	12	25.39	25.23	25.21	0.00	25.70	25.39	25.23	25.21	0.00	25.70
		1	24	25.29	25.26	25.21	0.00	25.70	25.29	25.26	25.21	0.00	25.70
		12	0	24.33	24.17	24.06	1.00	24.70	24.33	24.17	24.06	1.00	24.70
		12	7	24.30	24.14	24.03	1.00	24.70	24.30	24.14	24.03	1.00	24.70
		12	13	24.23	24.05	23.96	1.00	24.70	24.23	24.05	23.96	1.00	24.70
	16QAM	25	0	24.25	24.13	24.05	1.00	24.70	24.25	24.13	24.05	1.00	24.70
		1	0	24.05	24.07	23.88	1.00	24.70	24.05	24.07	23.88	1.00	24.70
		1	12	23.95	23.88	23.85	1.00	24.70	23.95	23.88	23.85	1.00	24.70
		1	24	23.92	23.92	23.70	1.00	24.70	23.92	23.92	23.70	1.00	24.70
		12	0	23.00	23.43	22.84	2.00	23.70	23.00	23.43	22.84	2.00	23.70
		12	7	23.02	23.37	22.86	2.00	23.70	23.02	23.37	22.86	2.00	23.70
	64QAM	12	13	23.05	23.30	22.76	2.00	23.70	23.05	23.30	22.76	2.00	23.70
		25	0	22.86	23.25	22.70	2.00	23.70	22.86	23.25	22.70	2.00	23.70
		1	0	23.29	23.15	23.40	2.00	23.70	23.29	23.15	23.40	2.00	23.70
		1	12	23.19	23.22	23.42	2.00	23.70	23.19	23.22	23.42	2.00	23.70
		1	24	23.29	23.28	23.19	2.00	23.70	23.29	23.28	23.19	2.00	23.70
		12	0	22.40	22.44	22.38	3.00	22.70	22.40	22.44	22.38	3.00	22.70
5 MHz	256QAM	12	7	22.29	22.25	22.25	3.00	22.70	22.29	22.25	22.25	3.00	22.70
		12	13	22.30	22.34	22.27	3.00	22.70	22.30	22.34	22.27	3.00	22.70
		25	0	22.39	22.28	22.40	3.00	22.70	22.39	22.28	22.40	3.00	22.70
		1	0	20.40	20.44	20.39	5.00	20.70	20.40	20.44	20.39	5.00	20.70
		1	12	20.35	20.17	20.30	5.00	20.70	20.35	20.17	20.30	5.00	20.70
		1	24	20.35	20.44	20.23	5.00	20.70	20.35	20.44	20.23	5.00	20.70
	256QAM	12	0	20.29	20.24	20.35	5.00	20.70	20.29	20.24	20.35	5.00	20.70
		12	7	20.20	20.21	20.27	5.00	20.70	20.20	20.21	20.27	5.00	20.70
		12	13	20.43	20.36	20.35	5.00	20.70	20.43	20.36	20.35	5.00	20.70
		25	0	20.22	20.22	20.44	5.00	20.70	20.22	20.22	20.44	5.00	20.70

LTE Band 12 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				23025	23095	23165	MPR	Tune-up Limit	23025	23095	23165	MPR	Tune-up Limit
				700.5 MHz	707.5 MHz	714.5 MHz			700.5 MHz	707.5 MHz	714.5 MHz		
3 MHz	QPSK	1	0	25.37	25.17	25.05	0.00	25.70	25.37	25.17	25.05	0.00	25.70
		1	8	25.40	25.09	25.04	0.00	25.70	25.40	25.09	25.04	0.00	25.70
		1	14	25.38	25.10	25.09	0.00	25.70	25.38	25.10	25.09	0.00	25.70
		8	0	24.26	24.10	24.02	1.00	24.70	24.26	24.10	24.02	1.00	24.70
		8	4	24.28	24.06	24.04	1.00	24.70	24.28	24.06	24.04	1.00	24.70
		8	7	24.28	24.04	24.01	1.00	24.70	24.28	24.04	24.01	1.00	24.70
	16QAM	15	0	24.27	24.06	24.02	1.00	24.70	24.27	24.06	24.02	1.00	24.70
		1	0	23.93	24.40	24.21	1.00	24.70	23.93	24.40	24.21	1.00	24.70
		1	8	23.83	24.20	24.05	1.00	24.70	23.83	24.20	24.05	1.00	24.70
		1	14	23.84	24.24	23.93	1.00	24.70	23.84	24.24	23.93	1.00	24.70
		8	0	22.96	23.34	22.91	2.00	23.70	22.96	23.34	22.91	2.00	23.70
		8	4	22.95	23.31	22.91	2.00	23.70	22.95	23.31	22.91	2.00	23.70
	64QAM	8	7	22.97	23.32	22.84	2.00	23.70	22.97	23.32	22.84	2.00	23.70
		15	0	22.88	23.25	22.70	2.00	23.70	22.88	23.25	22.70	2.00	23.70
		1	0	23.42	23.21	23.20	2.00	23.70	23.42	23.21	23.20	2.00	23.70
		1	8	23.24	23.44	23.17	2.00	23.70	23.24	23.44	23.17	2.00	23.70
		1	14	23.41	23.37	23.40	2.00	23.70	23.41	23.37	23.40	2.00	23.70
		8	0	22.28	22.31	22.32	3.00	22.70	22.28	22.31	22.32	3.00	22.70
	256QAM	8	4	22.22	22.27	22.42	3.00	22.70	22.22	22.27	22.42	3.00	22.70
		8	7	22.29	22.20	22.27	3.00	22.70	22.29	22.20	22.27	3.00	22.70
		15	0	22.20	22.41	22.24	3.00	22.70	22.20	22.41	22.24	3.00	22.70
		1	0	20.37	20.23	20.34	5.00	20.70	20.37	20.23	20.34	5.00	20.70
		1	8	20.22	20.21	20.30	5.00	20.70	20.22	20.21	20.30	5.00	20.70
		1	14	20.29	20.28	20.27	5.00	20.70	20.29	20.28	20.27	5.00	20.70
1.4 MHz	QPSK	8	0	20.19	20.28	20.40	5.00	20.70	20.19	20.28	20.40	5.00	20.70
		8	4	20.21	20.20	20.25	5.00	20.70	20.21	20.20	20.25	5.00	20.70
		8	7	20.39	20.25	20.26	5.00	20.70	20.39	20.25	20.26	5.00	20.70
		15	0	20.38	20.33	20.21	5.00	20.70	20.38	20.33	20.21	5.00	20.70
		1	0	25.36	25.39	25.21	0.00	25.70	25.36	25.39	25.21	0.00	25.70
		1	3	25.28	25.34	25.39	0.00	25.70	25.28	25.34	25.39	0.00	25.70
	16QAM	1	5	25.41	25.24	25.43	0.00	25.70	25.41	25.24	25.43	0.00	25.70
		3	0	25.15	25.31	25.20	0.00	25.70	25.15	25.31	25.20	0.00	25.70
		3	1	25.38	25.16	25.36	0.00	25.70	25.38	25.16	25.36	0.00	25.70
		3	3	25.29	25.24	25.44	0.00	25.70	25.29	25.24	25.44	0.00	25.70
		6	0	24.42	24.41	24.32	1.00	24.70	24.42	24.41	24.32	1.00	24.70
		1	0	24.22	24.45	24.43	1.00	24.70	24.22	24.45	24.43	1.00	24.70
	64QAM	1	3	24.44	24.44	24.27	1.00	24.70	24.44	24.44	24.27	1.00	24.70
		1	5	24.21	24.45	24.37	1.00	24.70	24.21	24.45	24.37	1.00	24.70
		3	0	24.19	24.15	24.40	1.00	24.70	24.19	24.15	24.40	1.00	24.70
		3	1	24.16	24.20	24.33	1.00	24.70	24.16	24.20	24.33	1.00	24.70
		3	3	24.21	24.21	24.38	1.00	24.70	24.21	24.21	24.38	1.00	24.70
		6	0	23.38	23.44	23.30	2.00	23.70	23.38	23.44	23.30	2.00	23.70
	256QAM	1	0	23.32	23.34	23.23	2.00	23.70	23.32	23.34	23.23	2.00	23.70
		1	3	23.33	23.24	23.37	2.00	23.70	23.33	23.24	23.37	2.00	23.70
		1	5	23.44	23.24	23.45	2.00	23.70	23.44	23.24	23.45	2.00	23.70
		3	0	23.21	23.23	23.19	2.00	23.70	23.21	23.23	23.19	2.00	23.70
		3	1	23.16	23.29	23.30	2.00	23.70	23.16	23.29	23.30	2.00	23.70
		3	3	23.21	23.40	23.28	2.00	23.70	23.21	23.40	23.28	2.00	23.70
	256QAM	6	0	22.32	22.34	22.19	3.00	22.70	22.32	22.34	22.19	3.00	22.70
		1	0	20.23	20.40	20.16	5.00	20.70	20.23	20.40	20.16	5.00	20.70
		1	3	20.26	20.31	20.34	5.00	20.70	20.26	20.31	20.34	5.00	20.70
		1	5	20.22	20.16	20.31	5.00	20.70	20.22	20.16	20.31	5.00	20.70
		3	0	20.28	20.40	20.35	5.00	20.70	20.28	20.40	20.35	5.00	20.70
		3	1	20.31	20.34	20.39	5.00	20.70	20.31	20.34	20.39	5.00	20.70
	256QAM	3	3	20.23	20.23	20.22	5.00	20.70	20.23	20.23	20.22	5.00	20.70
		6	0	20.30	20.19	20.39	5.00	20.70	20.30	20.19	20.39	5.00	20.70

LTE Band 12 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				23095	707.5 MHz		MPR	Tune-up Limit	23095	707.5 MHz		MPR	Tune-up Limit
10 MHz	QPSK	1	0	24.30			0.00	24.50	24.30			0.00	24.50
		1	25	24.49			0.00	24.50	24.49			0.00	24.50
		1	49	24.46			0.00	24.50	24.46			0.00	24.50
		25	0	23.27			1.00	23.50	23.27			1.00	23.50
		25	12	23.46			1.00	23.50	23.46			1.00	23.50
		25	25	23.43			1.00	23.50	23.43			1.00	23.50
	16QAM	50	0	23.26			1.00	23.50	23.26			1.00	23.50
		1	0	23.38			1.00	23.50	23.38			1.00	23.50
		1	25	23.33			1.00	23.50	23.33			1.00	23.50
		1	49	23.44			1.00	23.50	23.44			1.00	23.50
		25	0	22.30			2.00	22.50	22.30			2.00	22.50
		25	12	22.27			2.00	22.50	22.27			2.00	22.50
	64QAM	25	25	22.47			2.00	22.50	22.47			2.00	22.50
		50	0	22.39			2.00	22.50	22.39			2.00	22.50
		1	0	22.31			2.00	22.50	22.31			2.00	22.50
		1	25	22.30			2.00	22.50	22.30			2.00	22.50
		1	49	22.22			2.00	22.50	22.22			2.00	22.50
		25	0	21.30			3.00	21.50	21.30			3.00	21.50
	256QAM	25	12	21.40			3.00	21.50	21.40			3.00	21.50
		25	25	21.22			3.00	21.50	21.22			3.00	21.50
		50	0	21.32			3.00	21.50	21.32			3.00	21.50
		1	0	19.34			5.00	19.50	19.34			5.00	19.50
		1	25	19.21			5.00	19.50	19.21			5.00	19.50
		1	49	19.48			5.00	19.50	19.48			5.00	19.50
5 MHz	QPSK	25	0	19.24			5.00	19.50	19.24			5.00	19.50
		25	12	19.24			5.00	19.50	19.24			5.00	19.50
		25	25	19.43			5.00	19.50	19.43			5.00	19.50
		50	0	19.47			5.00	19.50	19.47			5.00	19.50
	16QAM	1	0	24.24	24.47	24.40	0.00	24.50	24.24	24.47	24.40	0.00	24.50
		1	12	24.24	24.21	24.33	0.00	24.50	24.24	24.21	24.33	0.00	24.50
		1	24	24.24	24.22	24.35	0.00	24.50	24.24	24.22	24.35	0.00	24.50
		12	0	23.24	23.45	23.46	1.00	23.50	23.24	23.45	23.46	1.00	23.50
		12	7	23.22	23.28	23.26	1.00	23.50	23.22	23.28	23.26	1.00	23.50
		12	13	23.40	23.44	23.41	1.00	23.50	23.40	23.44	23.41	1.00	23.50
	64QAM	25	0	23.33	23.50	23.49	1.00	23.50	23.33	23.50	23.49	1.00	23.50
		1	0	23.24	23.39	23.49	1.00	23.50	23.24	23.39	23.49	1.00	23.50
		1	12	23.35	23.23	23.45	1.00	23.50	23.35	23.23	23.45	1.00	23.50
		1	24	23.23	23.33	23.29	1.00	23.50	23.23	23.33	23.29	1.00	23.50
		12	0	22.36	22.46	22.44	2.00	22.50	22.36	22.46	22.44	2.00	22.50
		12	7	22.40	22.35	22.39	2.00	22.50	22.40	22.35	22.39	2.00	22.50
	256QAM	12	13	22.44	22.42	22.24	2.00	22.50	22.44	22.42	22.24	2.00	22.50
		25	0	22.31	22.49	22.48	2.00	22.50	22.31	22.49	22.48	2.00	22.50
		1	0	22.31	22.26	22.49	2.00	22.50	22.31	22.26	22.49	2.00	22.50
		1	12	22.49	22.40	22.27	2.00	22.50	22.49	22.40	22.27	2.00	22.50
		1	24	22.35	22.40	22.45	2.00	22.50	22.35	22.40	22.45	2.00	22.50
		12	0	21.33	21.42	21.47	3.00	21.50	21.33	21.42	21.47	3.00	21.50
	16QAM	12	7	21.44	21.42	21.27	3.00	21.50	21.44	21.42	21.27	3.00	21.50
		12	13	21.27	21.23	21.34	3.00	21.50	21.27	21.23	21.34	3.00	21.50
		25	0	21.36	21.28	21.44	3.00	21.50	21.36	21.28	21.44	3.00	21.50
		1	0	19.40	19.41	19.25	5.00	19.50	19.40	19.41	19.25	5.00	19.50
		1	12	19.32	19.24	19.46	5.00	19.50	19.32	19.24	19.46	5.00	19.50
		1	24	19.23	19.21	19.41	5.00	19.50	19.23	19.21	19.41	5.00	19.50
	256QAM	12	0	19.36	19.26	19.48	5.00	19.50	19.36	19.26	19.48	5.00	19.50
		12	7	19.27	19.43	19.22	5.00	19.50	19.27	19.43	19.22	5.00	19.50
		12	13	19.46	19.35	19.42	5.00	19.50	19.46	19.35	19.42	5.00	19.50
		25	0	19.37	19.50	19.39	5.00	19.50	19.37	19.50	19.39	5.00	19.50

LTE Band 12 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				23025	23095	23165	MPR	Tune-up Limit	23025	23095	23165	MPR	Tune-up Limit
				700.5 MHz	707.5 MHz	714.5 MHz			700.5 MHz	707.5 MHz	714.5 MHz		
3 MHz	QPSK	1	0	24.44	24.42	24.24	0.00	24.50	24.44	24.42	24.24	0.00	24.50
		1	8	24.35	24.21	24.36	0.00	24.50	24.35	24.21	24.36	0.00	24.50
		1	14	24.21	24.24	24.48	0.00	24.50	24.21	24.24	24.48	0.00	24.50
		8	0	23.40	23.32	23.21	1.00	23.50	23.40	23.32	23.21	1.00	23.50
		8	4	23.33	23.43	23.24	1.00	23.50	23.33	23.43	23.24	1.00	23.50
		8	7	23.25	23.27	23.43	1.00	23.50	23.25	23.27	23.43	1.00	23.50
	16QAM	15	0	23.43	23.49	23.26	1.00	23.50	23.43	23.49	23.26	1.00	23.50
		1	0	23.43	23.43	23.32	1.00	23.50	23.43	23.43	23.32	1.00	23.50
		1	8	23.43	23.39	23.49	1.00	23.50	23.43	23.39	23.49	1.00	23.50
		1	14	23.31	23.41	23.34	1.00	23.50	23.31	23.41	23.34	1.00	23.50
		8	0	22.27	22.21	22.35	2.00	22.50	22.27	22.21	22.35	2.00	22.50
		8	4	22.23	22.41	22.41	2.00	22.50	22.23	22.41	22.41	2.00	22.50
	64QAM	8	7	22.31	22.42	22.24	2.00	22.50	22.31	22.42	22.24	2.00	22.50
		15	0	22.49	22.43	22.30	2.00	22.50	22.49	22.43	22.30	2.00	22.50
		1	0	22.41	22.35	22.26	2.00	22.50	22.41	22.35	22.26	2.00	22.50
		1	8	22.47	22.24	22.44	2.00	22.50	22.47	22.24	22.44	2.00	22.50
		1	14	22.29	22.32	22.24	2.00	22.50	22.29	22.32	22.24	2.00	22.50
		8	0	21.34	21.41	21.46	3.00	21.50	21.34	21.41	21.46	3.00	21.50
	256QAM	8	4	21.42	21.28	21.48	3.00	21.50	21.42	21.28	21.48	3.00	21.50
		8	7	21.34	21.39	21.23	3.00	21.50	21.34	21.39	21.23	3.00	21.50
		15	0	21.22	21.40	21.36	3.00	21.50	21.22	21.40	21.36	3.00	21.50
		1	0	19.23	19.33	19.32	5.00	19.50	19.23	19.33	19.32	5.00	19.50
		1	8	19.40	19.21	19.50	5.00	19.50	19.40	19.21	19.50	5.00	19.50
		1	14	19.34	19.24	19.31	5.00	19.50	19.34	19.24	19.31	5.00	19.50
1.4 MHz	QPSK	8	0	19.33	19.32	19.43	5.00	19.50	19.33	19.32	19.43	5.00	19.50
		8	4	19.37	19.26	19.31	5.00	19.50	19.37	19.26	19.31	5.00	19.50
		8	7	19.28	19.34	19.25	5.00	19.50	19.28	19.34	19.25	5.00	19.50
		15	0	19.33	19.43	19.42	5.00	19.50	19.33	19.43	19.42	5.00	19.50
	16QAM	1	0	24.24	24.37	24.41	0.00	24.50	24.24	24.37	24.41	0.00	24.50
		1	3	24.45	24.28	24.34	0.00	24.50	24.45	24.28	24.34	0.00	24.50
		1	5	24.41	24.37	24.29	0.00	24.50	24.41	24.37	24.29	0.00	24.50
		3	0	24.39	24.23	24.14	0.00	24.50	24.39	24.23	24.14	0.00	24.50
		3	1	24.39	24.18	24.34	0.00	24.50	24.39	24.18	24.34	0.00	24.50
		3	3	24.24	24.16	24.36	0.00	24.50	24.24	24.16	24.36	0.00	24.50
	64QAM	6	0	23.25	23.29	23.40	1.00	23.50	23.25	23.29	23.40	1.00	23.50
		1	0	23.22	23.47	23.47	1.00	23.50	23.22	23.47	23.47	1.00	23.50
		1	3	23.32	23.26	23.36	1.00	23.50	23.32	23.26	23.36	1.00	23.50
		1	5	23.40	23.35	23.49	1.00	23.50	23.40	23.35	23.49	1.00	23.50
		3	0	23.33	23.20	23.24	1.00	23.50	23.33	23.20	23.24	1.00	23.50
		3	1	23.16	23.22	23.17	1.00	23.50	23.16	23.22	23.17	1.00	23.50
	256QAM	3	3	23.24	23.39	23.37	1.00	23.50	23.24	23.39	23.37	1.00	23.50
		6	0	22.22	22.43	22.39	2.00	22.50	22.22	22.43	22.39	2.00	22.50
		1	0	22.26	22.44	22.47	2.00	22.50	22.26	22.44	22.47	2.00	22.50
		1	3	22.46	22.35	22.46	2.00	22.50	22.46	22.35	22.46	2.00	22.50
		1	5	22.43	22.26	22.25	2.00	22.50	22.43	22.26	22.25	2.00	22.50
		3	0	22.22	22.28	22.13	2.00	22.50	22.22	22.28	22.13	2.00	22.50
1.4 MHz	64QAM	3	1	22.34	22.36	22.29	2.00	22.50	22.34	22.36	22.29	2.00	22.50
		3	3	22.18	22.39	22.18	2.00	22.50	22.18	22.39	22.18	2.00	22.50
		6	0	21.34	21.37	21.28	3.00	21.50	21.34	21.37	21.28	3.00	21.50
	256QAM	1	0	19.43	19.47	19.45	5.00	19.50	19.43	19.47	19.45	5.00	19.50
		1	3	19.24	19.35	19.26	5.00	19.50	19.24	19.35	19.26	5.00	19.50
		1	5	19.49	19.22	19.36	5.00	19.50	19.49	19.22	19.36	5.00	19.50
	64QAM	3	0	19.35	19.37	19.38	5.00	19.50	19.35	19.37	19.38	5.00	19.50
		3	1	19.23	19.37	19.30	5.00	19.50	19.23	19.37	19.30	5.00	19.50
		3	3	19.33	19.24	19.25	5.00	19.50	19.33	19.24	19.25	5.00	19.50
		6	0	19.24	19.43	19.22	5.00	19.50	19.24	19.43	19.22	5.00	19.50

LTE Band 13 Measured Results (ANT1)

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	24.88		0.00	25.70	24.88		0.00	25.70
		1	25	25.58		0.00	25.70	25.58		0.00	25.70
		1	49	25.48		0.00	25.70	25.48		0.00	25.70
		25	0	23.75		1.00	24.70	23.75		1.00	24.70
		25	12	24.43		1.00	24.70	24.43		1.00	24.70
		25	25	24.38		1.00	24.70	24.38		1.00	24.70
	16QAM	50	0	24.01		1.00	24.70	24.01		1.00	24.70
		1	0	24.22		1.00	24.70	24.22		1.00	24.70
		1	25	24.52		1.00	24.70	24.52		1.00	24.70
		1	49	24.41		1.00	24.70	24.41		1.00	24.70
		25	0	22.80		2.00	23.70	22.80		2.00	23.70
		25	12	23.46		2.00	23.70	23.46		2.00	23.70
	64QAM	25	25	23.51		2.00	23.70	23.51		2.00	23.70
		50	0	23.10		2.00	23.70	23.10		2.00	23.70
		1	0	23.54		2.00	23.70	23.54		2.00	23.70
		1	25	23.55		2.00	23.70	23.55		2.00	23.70
		1	49	23.47		2.00	23.70	23.47		2.00	23.70
		25	0	22.42		3.00	22.70	22.42		3.00	22.70
	256QAM	25	12	22.60		3.00	22.70	22.60		3.00	22.70
		25	25	22.42		3.00	22.70	22.42		3.00	22.70
		50	0	22.53		3.00	22.70	22.53		3.00	22.70
		1	0	20.68		5.00	20.70	20.68		5.00	20.70
		1	25	20.69		5.00	20.70	20.69		5.00	20.70
		1	49	20.41		5.00	20.70	20.41		5.00	20.70
5 MHz	QPSK	25	0	20.41		5.00	20.70	20.41		5.00	20.70
		25	12	20.54		5.00	20.70	20.54		5.00	20.70
		25	25	20.53		5.00	20.70	20.53		5.00	20.70
		50	0	20.52		5.00	20.70	20.52		5.00	20.70
	16QAM	1	0	25.42		0.00	25.70	25.42		0.00	25.70
		1	12	25.40		0.00	25.70	25.40		0.00	25.70
		1	24	25.40		0.00	25.70	25.40		0.00	25.70
		12	0	24.00		1.00	24.70	24.00		1.00	24.70
		12	7	24.30		1.00	24.70	24.30		1.00	24.70
		12	13	24.30		1.00	24.70	24.30		1.00	24.70
	64QAM	25	0	24.10		1.00	24.70	24.10		1.00	24.70
		1	0	23.89		1.00	24.70	23.89		1.00	24.70
		1	12	24.32		1.00	24.70	24.32		1.00	24.70
		1	24	24.19		1.00	24.70	24.19		1.00	24.70
		12	0	23.07		2.00	23.70	23.07		2.00	23.70
		12	7	23.34		2.00	23.70	23.34		2.00	23.70
	256QAM	12	13	23.40		2.00	23.70	23.40		2.00	23.70
		25	0	23.11		2.00	23.70	23.11		2.00	23.70
		1	0	23.18		2.00	23.70	23.18		2.00	23.70
		1	12	23.41		2.00	23.70	23.41		2.00	23.70
		1	24	23.29		2.00	23.70	23.29		2.00	23.70
		12	0	22.27		3.00	22.70	22.27		3.00	22.70
	QPSK	12	7	22.34		3.00	22.70	22.34		3.00	22.70
		12	13	22.43		3.00	22.70	22.43		3.00	22.70
		25	0	22.42		3.00	22.70	22.42		3.00	22.70
	16QAM	1	0	20.21		5.00	20.70	20.21		5.00	20.70
		1	12	20.27		5.00	20.70	20.27		5.00	20.70
		1	24	20.23		5.00	20.70	20.23		5.00	20.70
	64QAM	12	0	20.25		5.00	20.70	20.25		5.00	20.70
		12	7	20.21		5.00	20.70	20.21		5.00	20.70
		12	13	20.36		5.00	20.70	20.36		5.00	20.70
		25	0	20.36		5.00	20.70	20.36		5.00	20.70

LTE Band 13 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
				23230 782 MHz		MPR	Tune-up Limit	23230 782 MHz		MPR	Tune-up Limit
10 MHz	QPSK	1	0	24.21		0.00	24.50	24.21		0.00	24.50
		1	25	24.48		0.00	24.50	24.48		0.00	24.50
		1	49	24.45		0.00	24.50	24.45		0.00	24.50
		25	0	23.44		1.00	23.50	23.44		1.00	23.50
		25	12	23.45		1.00	23.50	23.45		1.00	23.50
		25	25	23.43		1.00	23.50	23.43		1.00	23.50
	16QAM	50	0	23.26		1.00	23.50	23.26		1.00	23.50
		1	0	23.23		1.00	23.50	23.23		1.00	23.50
		1	25	23.18		1.00	23.50	23.18		1.00	23.50
		1	49	23.15		1.00	23.50	23.15		1.00	23.50
		25	0	22.15		2.00	22.50	22.15		2.00	22.50
		25	12	22.17		2.00	22.50	22.17		2.00	22.50
	64QAM	25	25	22.08		2.00	22.50	22.08		2.00	22.50
		50	0	22.01		2.00	22.50	22.01		2.00	22.50
		1	0	22.01		2.00	22.50	22.01		2.00	22.50
		1	25	21.98		2.00	22.50	21.98		2.00	22.50
		1	49	22.04		2.00	22.50	22.04		2.00	22.50
		25	0	21.03		3.00	21.50	21.03		3.00	21.50
	256QAM	25	12	21.02		3.00	21.50	21.02		3.00	21.50
		25	25	21.04		3.00	21.50	21.04		3.00	21.50
		50	0	21.04		3.00	21.50	21.04		3.00	21.50
		1	0	19.07		5.00	19.50	19.07		5.00	19.50
		1	25	19.14		5.00	19.50	19.14		5.00	19.50
		1	49	19.07		5.00	19.50	19.07		5.00	19.50
5 MHz	QPSK	25	0	19.12		5.00	19.50	19.12		5.00	19.50
		25	12	19.09		5.00	19.50	19.09		5.00	19.50
		25	25	19.16		5.00	19.50	19.16		5.00	19.50
		50	0	19.03		5.00	19.50	19.03		5.00	19.50
	16QAM	1	0	23.99		0.00	24.50	23.99		0.00	24.50
		1	12	24.01		0.00	24.50	24.01		0.00	24.50
		1	24	24.21		0.00	24.50	24.21		0.00	24.50
		12	0	23.22		1.00	23.50	23.22		1.00	23.50
		12	7	23.09		1.00	23.50	23.09		1.00	23.50
		12	13	22.97		1.00	23.50	22.97		1.00	23.50
	64QAM	25	0	23.19		1.00	23.50	23.19		1.00	23.50
		1	0	23.06		1.00	23.50	23.06		1.00	23.50
		1	12	23.04		1.00	23.50	23.04		1.00	23.50
		1	24	23.18		1.00	23.50	23.18		1.00	23.50
		12	0	22.00		2.00	22.50	22.00		2.00	22.50
		12	7	22.18		2.00	22.50	22.18		2.00	22.50
	256QAM	12	13	22.23		2.00	22.50	22.23		2.00	22.50
		25	0	22.00		2.00	22.50	22.00		2.00	22.50
		1	0	22.17		2.00	22.50	22.17		2.00	22.50
		1	12	21.96		2.00	22.50	21.96		2.00	22.50
		1	24	22.10		2.00	22.50	22.10		2.00	22.50
		12	0	21.05		3.00	21.50	21.05		3.00	21.50
		12	7	21.23		3.00	21.50	21.23		3.00	21.50
		12	13	20.99		3.00	21.50	20.99		3.00	21.50
		25	0	21.25		3.00	21.50	21.25		3.00	21.50
		1	0	19.21		5.00	19.50	19.21		5.00	19.50
		1	12	19.18		5.00	19.50	19.18		5.00	19.50
		1	24	19.10		5.00	19.50	19.10		5.00	19.50
		12	0	18.95		5.00	19.50	18.95		5.00	19.50
		12	7	19.22		5.00	19.50	19.22		5.00	19.50
		12	13	19.20		5.00	19.50	19.20		5.00	19.50
		25	0	19.19		5.00	19.50	19.19		5.00	19.50

LTE Band 14 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
				23330	793 MHz	MPR	Tune-up Limit	23330	793 MHz	MPR	Tune-up Limit
10 MHz	QPSK	1	0	25.66		0.00	25.70	25.66		0.00	25.70
		1	25	25.70		0.00	25.70	25.70		0.00	25.70
		1	49	25.59		0.00	25.70	25.59		0.00	25.70
		25	0	24.56		1.00	24.70	24.56		1.00	24.70
		25	12	24.57		1.00	24.70	24.57		1.00	24.70
		25	25	24.54		1.00	24.70	24.54		1.00	24.70
	16QAM	50	0	24.63		1.00	24.70	24.63		1.00	24.70
		1	0	24.05		1.00	24.70	24.05		1.00	24.70
		1	25	24.02		1.00	24.70	24.02		1.00	24.70
		1	49	24.05		1.00	24.70	24.05		1.00	24.70
		25	0	23.60		2.00	23.70	23.60		2.00	23.70
		25	12	23.50		2.00	23.70	23.50		2.00	23.70
	64QAM	25	25	23.60		2.00	23.70	23.60		2.00	23.70
		50	0	23.46		2.00	23.70	23.46		2.00	23.70
		1	0	23.63		2.00	23.70	23.63		2.00	23.70
		1	25	23.58		2.00	23.70	23.58		2.00	23.70
		1	49	23.67		2.00	23.70	23.67		2.00	23.70
		25	0	22.43		3.00	22.70	22.43		3.00	22.70
	256QAM	25	12	22.41		3.00	22.70	22.41		3.00	22.70
		25	25	22.64		3.00	22.70	22.64		3.00	22.70
		50	0	22.55		3.00	22.70	22.55		3.00	22.70
		1	0	20.48		5.00	20.70	20.48		5.00	20.70
		1	25	20.45		5.00	20.70	20.45		5.00	20.70
		1	49	20.46		5.00	20.70	20.46		5.00	20.70
5 MHz	QPSK	25	0	20.64		5.00	20.70	20.64		5.00	20.70
		25	12	20.69		5.00	20.70	20.69		5.00	20.70
		25	25	20.57		5.00	20.70	20.57		5.00	20.70
		50	0	20.48		5.00	20.70	20.48		5.00	20.70
	16QAM	1	0	25.64		0.00	25.70	25.64		0.00	25.70
		1	12	25.67		0.00	25.70	25.67		0.00	25.70
		1	24	25.66		0.00	25.70	25.66		0.00	25.70
		12	0	24.62		1.00	24.70	24.62		1.00	24.70
		12	7	24.57		1.00	24.70	24.57		1.00	24.70
		12	13	24.49		1.00	24.70	24.49		1.00	24.70
	64QAM	25	0	24.54		1.00	24.70	24.54		1.00	24.70
		1	0	24.49		1.00	24.70	24.49		1.00	24.70
		1	12	24.61		1.00	24.70	24.61		1.00	24.70
		1	24	24.66		1.00	24.70	24.66		1.00	24.70
		12	0	23.57		2.00	23.70	23.57		2.00	23.70
		12	7	23.59		2.00	23.70	23.59		2.00	23.70
	256QAM	12	13	23.58		2.00	23.70	23.58		2.00	23.70
		25	0	23.43		2.00	23.70	23.43		2.00	23.70
		1	0	23.62		2.00	23.70	23.62		2.00	23.70
		1	12	23.48		2.00	23.70	23.48		2.00	23.70
		1	24	23.59		2.00	23.70	23.59		2.00	23.70
		12	0	22.65		3.00	22.70	22.65		3.00	22.70
	QPSK	12	7	22.50		3.00	22.70	22.50		3.00	22.70
		12	13	22.44		3.00	22.70	22.44		3.00	22.70
		25	0	22.55		3.00	22.70	22.55		3.00	22.70
	16QAM	1	0	20.48		5.00	20.70	20.48		5.00	20.70
		1	12	20.68		5.00	20.70	20.68		5.00	20.70
		1	24	20.65		5.00	20.70	20.65		5.00	20.70
	64QAM	12	0	20.51		5.00	20.70	20.51		5.00	20.70
		12	7	20.51		5.00	20.70	20.51		5.00	20.70
		12	13	20.48		5.00	20.70	20.48		5.00	20.70
		25	0	20.67		5.00	20.70	20.67		5.00	20.70

LTE Band 14 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
				23330	793 MHz	MPR	Tune-up Limit	23330	793 MHz	MPR	Tune-up Limit
10 MHz	QPSK	1	0	24.32		0.00	24.50	24.32		0.00	24.50
		1	25	24.46		0.00	24.50	24.46		0.00	24.50
		1	49	24.31		0.00	24.50	24.31		0.00	24.50
		25	0	23.37		1.00	23.50	23.37		1.00	23.50
		25	12	23.49		1.00	23.50	23.49		1.00	23.50
		25	25	23.48		1.00	23.50	23.48		1.00	23.50
	16QAM	50	0	23.25		1.00	23.50	23.25		1.00	23.50
		1	0	23.42		1.00	23.50	23.42		1.00	23.50
		1	25	23.21		1.00	23.50	23.21		1.00	23.50
		1	49	23.25		1.00	23.50	23.25		1.00	23.50
		25	0	22.31		2.00	22.50	22.31		2.00	22.50
		25	12	22.39		2.00	22.50	22.39		2.00	22.50
	64QAM	25	25	22.32		2.00	22.50	22.32		2.00	22.50
		50	0	22.23		2.00	22.50	22.23		2.00	22.50
		1	0	22.37		2.00	22.50	22.37		2.00	22.50
		1	25	22.23		2.00	22.50	22.23		2.00	22.50
		1	49	22.29		2.00	22.50	22.29		2.00	22.50
		25	0	21.38		3.00	21.50	21.38		3.00	21.50
	256QAM	25	12	21.47		3.00	21.50	21.47		3.00	21.50
		25	25	21.44		3.00	21.50	21.44		3.00	21.50
		50	0	21.26		3.00	21.50	21.26		3.00	21.50
		1	0	19.22		5.00	19.50	19.22		5.00	19.50
		1	25	19.48		5.00	19.50	19.48		5.00	19.50
		1	49	19.36		5.00	19.50	19.36		5.00	19.50
5 MHz	QPSK	25	0	19.46		5.00	19.50	19.46		5.00	19.50
		25	12	19.24		5.00	19.50	19.24		5.00	19.50
		25	25	19.21		5.00	19.50	19.21		5.00	19.50
		50	0	19.33		5.00	19.50	19.33		5.00	19.50
	16QAM	1	0	24.28		0.00	24.50	24.28		0.00	24.50
		1	12	24.22		0.00	24.50	24.22		0.00	24.50
		1	24	24.33		0.00	24.50	24.33		0.00	24.50
		12	0	23.41		1.00	23.50	23.41		1.00	23.50
		12	7	23.22		1.00	23.50	23.22		1.00	23.50
		12	13	23.38		1.00	23.50	23.38		1.00	23.50
	64QAM	25	0	23.42		1.00	23.50	23.42		1.00	23.50
		1	0	23.26		1.00	23.50	23.26		1.00	23.50
		1	12	23.41		1.00	23.50	23.41		1.00	23.50
		1	24	23.27		1.00	23.50	23.27		1.00	23.50
		12	0	22.38		2.00	22.50	22.38		2.00	22.50
		12	7	22.28		2.00	22.50	22.28		2.00	22.50
	256QAM	12	13	22.45		2.00	22.50	22.45		2.00	22.50
		25	0	22.21		2.00	22.50	22.21		2.00	22.50
		1	0	22.26		2.00	22.50	22.26		2.00	22.50
		1	12	22.22		2.00	22.50	22.22		2.00	22.50
		1	24	22.33		2.00	22.50	22.33		2.00	22.50
		12	0	21.35		3.00	21.50	21.35		3.00	21.50
	16QAM	12	7	21.34		3.00	21.50	21.34		3.00	21.50
		12	13	21.50		3.00	21.50	21.50		3.00	21.50
		25	0	21.28		3.00	21.50	21.28		3.00	21.50
	64QAM	1	0	19.21		5.00	19.50	19.21		5.00	19.50
		1	12	19.25		5.00	19.50	19.25		5.00	19.50
		1	24	19.32		5.00	19.50	19.32		5.00	19.50
	256QAM	12	0	19.33		5.00	19.50	19.33		5.00	19.50
		12	7	19.37		5.00	19.50	19.37		5.00	19.50
		12	13	19.37		5.00	19.50	19.37		5.00	19.50
		25	0	19.44		5.00	19.50	19.44		5.00	19.50

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	25.30	25.33	25.25	0.00	25.70	17.01	17.04	16.98	0.00	17.50
		1	49	25.32	25.34	25.30	0.00	25.70	17.06	17.06	17.03	0.00	17.50
		1	99	25.26	25.27	25.15	0.00	25.70	16.99	16.97	16.85	0.00	17.50
		50	0	24.37	24.45	24.27	1.00	24.70	17.12	17.14	16.98	0.00	17.50
		50	24	24.47	24.50	24.35	1.00	24.70	17.20	17.16	17.07	0.00	17.50
		50	50	24.41	24.38	24.30	1.00	24.70	17.15	17.09	17.02	0.00	17.50
	16QAM	100	0	24.53	24.51	24.35	1.00	24.70	17.13	17.13	16.95	0.00	17.50
		1	0	24.24	24.20	24.25	1.00	24.70	16.93	16.84	16.99	0.00	17.50
		1	49	24.24	24.30	24.19	1.00	24.70	16.87	16.86	16.95	0.00	17.50
		1	99	24.19	24.33	24.16	1.00	24.70	16.84	16.79	16.94	0.00	17.50
		50	0	23.22	23.36	23.16	2.00	23.70	16.82	16.82	16.69	0.00	17.50
		50	24	23.27	23.33	23.16	2.00	23.70	16.84	16.81	16.67	0.00	17.50
	64QAM	50	50	23.26	23.30	23.21	2.00	23.70	16.82	16.74	16.70	0.00	17.50
		100	0	23.29	23.33	23.15	2.00	23.70	16.82	16.81	16.67	0.00	17.50
		1	0	22.97	23.10	22.85	2.00	23.70	16.61	16.84	16.84	0.00	17.50
		1	49	22.99	22.85	23.02	2.00	23.70	16.72	16.84	16.80	0.00	17.50
		1	99	23.01	23.07	22.91	2.00	23.70	16.89	16.71	16.67	0.00	17.50
		50	0	22.02	22.05	21.94	3.00	22.70	16.80	16.72	16.83	0.00	17.50
	256QAM	50	24	22.09	22.07	21.95	3.00	22.70	16.60	16.63	16.71	0.00	17.50
		50	50	22.09	22.03	22.04	3.00	22.70	16.82	16.67	16.68	0.00	17.50
		100	0	21.90	22.09	22.02	3.00	22.70	16.85	16.72	16.86	0.00	17.50
		1	0	20.06	19.89	19.99	5.00	20.70	16.63	16.79	16.78	0.00	17.50
		1	49	20.07	19.94	19.91	5.00	20.70	16.83	16.75	16.67	0.00	17.50
		1	99	19.97	20.13	19.89	5.00	20.70	16.83	16.89	16.73	0.00	17.50
15 MHz	QPSK	50	0	20.13	19.88	19.95	5.00	20.70	16.71	16.73	16.64	0.00	17.50
		50	24	20.12	19.87	20.00	5.00	20.70	16.86	16.77	16.72	0.00	17.50
		50	50	19.89	20.08	20.13	5.00	20.70	16.73	16.80	16.88	0.00	17.50
		100	0	20.02	20.09	20.15	5.00	20.70	16.82	16.64	16.62	0.00	17.50
	16QAM	1	0	25.12	25.12	24.95	0.00	25.70	16.96	16.96	16.79	0.00	17.50
		1	37	25.03	25.13	24.88	0.00	25.70	16.94	16.95	16.76	0.00	17.50
		1	74	25.09	25.10	24.88	0.00	25.70	16.96	16.90	16.72	0.00	17.50
		36	0	24.21	24.21	24.02	1.00	24.70	17.07	17.02	16.88	0.00	17.50
		36	20	24.19	24.19	24.08	1.00	24.70	17.07	17.04	16.91	0.00	17.50
		36	39	24.14	24.13	24.02	1.00	24.70	16.99	16.95	16.84	0.00	17.50
	64QAM	75	0	24.25	24.27	24.05	1.00	24.70	17.01	16.98	16.79	0.00	17.50
		1	0	24.26	24.28	24.06	1.00	24.70	17.06	17.09	16.76	0.00	17.50
		1	37	24.23	24.18	24.01	1.00	24.70	17.04	17.08	16.74	0.00	17.50
		1	74	24.21	24.23	24.02	1.00	24.70	17.04	17.06	16.71	0.00	17.50
		36	0	23.37	23.31	23.14	2.00	23.70	17.09	16.99	16.84	0.00	17.50
		36	20	23.37	23.29	23.21	2.00	23.70	17.07	16.99	16.91	0.00	17.50
	256QAM	36	39	23.30	23.24	23.13	2.00	23.70	17.01	16.92	16.84	0.00	17.50
		75	0	23.32	23.28	23.11	2.00	23.70	17.03	16.96	16.83	0.00	17.50
		1	0	22.85	22.96	22.99	2.00	23.70	16.81	17.04	17.04	0.00	17.50
		1	37	23.14	22.99	22.95	2.00	23.70	16.92	17.04	17.00	0.00	17.50
		1	74	22.86	22.86	23.13	2.00	23.70	17.09	16.91	16.87	0.00	17.50
		36	0	21.88	22.00	22.06	3.00	22.70	17.00	16.92	17.03	0.00	17.50
15 MHz	64QAM	36	20	21.91	21.94	21.95	3.00	22.70	16.80	16.83	16.91	0.00	17.50
		36	39	22.00	21.86	21.99	3.00	22.70	17.02	16.87	16.88	0.00	17.50
		75	0	22.09	21.92	22.08	3.00	22.70	17.05	16.92	17.06	0.00	17.50
	256QAM	1	0	19.89	19.87	20.00	5.00	20.70	16.83	16.99	16.98	0.00	17.50
		1	37	20.06	20.03	19.94	5.00	20.70	17.03	16.95	16.87	0.00	17.50
		1	74	19.93	19.87	19.98	5.00	20.70	17.03	17.09	16.93	0.00	17.50
	256QAM	36	0	19.96	20.05	19.91	5.00	20.70	16.91	16.93	16.84	0.00	17.50
		36	20	19.91	20.02	19.87	5.00	20.70	17.06	16.97	16.92	0.00	17.50
		36	39	19.95	19.90	19.95	5.00	20.70	16.93	17.00	17.08	0.00	17.50
		75	0	19.90	19.90	19.97	5.00	20.70	17.02	16.84	16.82	0.00	17.50

LTE Band 25 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26090	26365	26640	MPR	Tune-up Limit	26090	26365	26640	MPR	Tune-up Limit
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	25.11	25.00	24.94	0.00	25.70	16.94	16.83	16.74	0.00	17.50
		1	25	25.02	24.99	24.89	0.00	25.70	16.88	16.83	16.70	0.00	17.50
		1	49	25.07	24.96	24.97	0.00	25.70	16.92	16.81	16.75	0.00	17.50
		25	0	24.13	24.14	24.05	1.00	24.70	17.00	17.00	16.88	0.00	17.50
		25	12	24.17	24.17	24.06	1.00	24.70	17.04	17.01	16.86	0.00	17.50
		25	25	24.14	24.14	24.05	1.00	24.70	16.99	17.00	16.84	0.00	17.50
	16QAM	50	0	24.24	24.27	24.16	1.00	24.70	17.00	16.99	16.86	0.00	17.50
		1	0	24.18	24.26	24.08	1.00	24.70	17.06	17.01	16.77	0.00	17.50
		1	25	24.18	24.20	24.00	1.00	24.70	16.99	16.91	16.69	0.00	17.50
		1	49	23.91	24.23	24.05	1.00	24.70	17.01	16.96	16.74	0.00	17.50
		25	0	23.31	23.36	23.20	2.00	23.70	17.09	17.08	16.88	0.00	17.50
		25	12	23.33	23.38	23.20	2.00	23.70	17.09	17.13	16.87	0.00	17.50
	64QAM	25	25	23.29	23.35	23.20	2.00	23.70	17.05	17.10	16.87	0.00	17.50
		50	0	23.32	23.30	23.17	2.00	23.70	17.08	17.04	16.86	0.00	17.50
		1	0	22.93	23.07	23.10	2.00	23.70	16.78	16.55	16.65	0.00	17.50
		1	25	22.86	23.02	23.04	2.00	23.70	16.60	16.68	16.50	0.00	17.50
		1	49	23.07	22.92	23.12	2.00	23.70	16.62	16.52	16.76	0.00	17.50
		25	0	21.96	21.99	21.95	3.00	22.70	16.72	16.74	16.76	0.00	17.50
	256QAM	25	12	22.14	21.97	21.87	3.00	22.70	16.74	16.70	16.50	0.00	17.50
		25	25	21.89	22.02	22.12	3.00	22.70	16.53	16.57	16.51	0.00	17.50
		50	0	22.15	21.91	21.97	3.00	22.70	16.76	16.58	16.75	0.00	17.50
		1	0	19.95	19.96	19.98	5.00	20.70	16.64	16.60	16.72	0.00	17.50
		1	25	20.15	20.03	19.91	5.00	20.70	16.74	16.51	16.58	0.00	17.50
		1	49	19.87	20.10	20.10	5.00	20.70	16.73	16.65	16.77	0.00	17.50
5 MHz	QPSK	25	0	20.02	20.07	19.96	5.00	20.70	16.51	16.60	16.66	0.00	17.50
		25	12	19.89	20.12	20.03	5.00	20.70	16.63	16.68	16.72	0.00	17.50
		25	25	20.10	20.10	20.06	5.00	20.70	16.57	16.63	16.73	0.00	17.50
		50	0	20.10	19.89	19.91	5.00	20.70	16.59	16.61	16.60	0.00	17.50
	16QAM	1	0	25.07	25.10	25.02	0.00	25.70	16.93	16.93	16.84	0.00	17.50
		1	12	25.08	25.11	25.03	0.00	25.70	16.94	16.91	16.81	0.00	17.50
		1	24	25.07	25.12	25.08	0.00	25.70	16.95	16.95	16.87	0.00	17.50
		12	0	24.13	24.14	23.95	1.00	24.70	16.98	16.96	16.81	0.00	17.50
		12	7	24.18	24.18	24.03	1.00	24.70	17.00	17.01	16.83	0.00	17.50
		12	13	24.18	24.19	24.07	1.00	24.70	17.06	17.01	16.86	0.00	17.50
		25	0	24.28	24.23	24.12	1.00	24.70	17.01	17.00	16.81	0.00	17.50
		1	0	24.37	24.42	24.29	1.00	24.70	17.13	17.13	16.99	0.00	17.50
		1	12	24.39	24.40	24.26	1.00	24.70	17.11	17.12	16.95	0.00	17.50
		1	24	24.39	24.42	24.32	1.00	24.70	17.13	17.14	17.03	0.00	17.50
	64QAM	12	0	23.35	23.28	23.15	2.00	23.70	17.11	16.99	16.86	0.00	17.50
		12	7	23.44	23.34	23.22	2.00	23.70	17.15	17.04	16.96	0.00	17.50
		12	13	23.40	23.35	23.28	2.00	23.70	17.19	17.10	16.94	0.00	17.50
		25	0	23.32	23.20	23.16	2.00	23.70	17.06	16.95	16.84	0.00	17.50
		1	0	22.86	23.14	23.05	2.00	23.70	16.78	16.65	16.78	0.00	17.50
		1	12	22.92	23.01	22.91	2.00	23.70	16.77	16.62	16.64	0.00	17.50
	256QAM	1	24	23.08	22.94	22.87	2.00	23.70	16.71	16.68	16.70	0.00	17.50
		12	0	21.93	21.89	21.88	3.00	22.70	16.78	16.51	16.73	0.00	17.50
		12	7	22.02	22.07	22.13	3.00	22.70	16.53	16.78	16.71	0.00	17.50
		12	13	22.11	22.00	22.10	3.00	22.70	16.54	16.75	16.73	0.00	17.50
		25	0	21.91	22.11	22.10	3.00	22.70	16.71	16.67	16.56	0.00	17.50
		1	0	19.87	19.99	19.86	5.00	20.70	16.54	16.65	16.64	0.00	17.50
	256QAM	1	12	19.86	20.03	20.02	5.00	20.70	16.71	16.69	16.58	0.00	17.50
		1	24	19.97	19.93	20.15	5.00	20.70	16.72	16.68	16.70	0.00	17.50
		12	0	19.94	20.09	20.00	5.00	20.70	16.78	16.59	16.74	0.00	17.50
		12	7	19.93	20.06	20.14	5.00	20.70	16.56	16.73	16.75	0.00	17.50
		12	13	20.14	19.90	20.06	5.00	20.70	16.69	16.67	16.76	0.00	17.50
		25	0	19.99	19.93	20.04	5.00	20.70	16.52	16.66	16.70	0.00	17.50

LTE Band 25 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26055	26365	26675	MPR	Tune-up Limit	26055	26365	26675	MPR	Tune-up Limit
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	25.03	24.96	24.92	0.00	25.70	16.86	16.83	16.66	0.00	17.50
		1	8	25.02	25.01	24.97	0.00	25.70	16.93	16.84	16.65	0.00	17.50
		1	14	25.10	25.12	25.03	0.00	25.70	17.00	16.95	16.78	0.00	17.50
		8	0	24.13	24.11	23.99	1.00	24.70	16.96	16.93	16.80	0.00	17.50
		8	4	24.20	24.13	24.03	1.00	24.70	17.01	16.95	16.83	0.00	17.50
		8	7	24.23	24.20	24.07	1.00	24.70	17.03	17.04	16.90	0.00	17.50
	16QAM	15	0	24.25	24.25	24.12	1.00	24.70	16.97	17.01	16.83	0.00	17.50
		1	0	24.30	24.10	24.44	1.00	24.70	16.98	16.99	16.70	0.00	17.50
		1	8	24.28	24.14	24.42	1.00	24.70	17.02	16.95	16.70	0.00	17.50
		1	14	24.34	24.23	24.26	1.00	24.70	17.13	17.07	16.75	0.00	17.50
		8	0	23.26	23.30	23.15	2.00	23.70	17.05	16.94	16.85	0.00	17.50
		8	4	23.35	23.38	23.23	2.00	23.70	17.13	17.04	16.94	0.00	17.50
	64QAM	8	7	23.39	23.41	23.25	2.00	23.70	17.12	17.09	17.01	0.00	17.50
		15	0	23.24	23.26	23.17	2.00	23.70	17.03	16.95	16.88	0.00	17.50
		1	0	22.93	22.86	22.88	2.00	23.70	16.59	16.56	16.76	0.00	17.50
		1	8	23.14	23.03	22.94	2.00	23.70	16.71	16.65	16.54	0.00	17.50
		1	14	23.02	22.86	22.97	2.00	23.70	16.67	16.63	16.70	0.00	17.50
		8	0	22.00	22.03	22.08	3.00	22.70	16.61	16.77	16.68	0.00	17.50
	256QAM	8	4	22.01	22.02	21.87	3.00	22.70	16.74	16.53	16.79	0.00	17.50
		8	7	21.96	21.92	22.01	3.00	22.70	16.70	16.77	16.51	0.00	17.50
		15	0	21.93	21.97	21.97	3.00	22.70	16.51	16.76	16.70	0.00	17.50
		1	0	20.10	19.90	19.88	5.00	20.70	16.74	16.69	16.77	0.00	17.50
		1	8	19.92	19.98	20.00	5.00	20.70	16.78	16.51	16.79	0.00	17.50
		1	14	20.14	20.12	19.94	5.00	20.70	16.69	16.54	16.75	0.00	17.50
		8	0	19.93	19.99	20.00	5.00	20.70	16.50	16.54	16.74	0.00	17.50
		8	4	19.90	20.12	20.10	5.00	20.70	16.71	16.60	16.78	0.00	17.50
		8	7	19.99	20.06	20.02	5.00	20.70	16.50	16.51	16.79	0.00	17.50
		15	0	20.12	19.87	19.96	5.00	20.70	16.57	16.64	16.61	0.00	17.50
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	25.08	25.13	25.14	0.00	25.70	16.84	16.85	16.66	0.00	17.50
		1	3	24.94	24.91	24.89	0.00	25.70	16.93	16.88	16.70	0.00	17.50
		1	5	24.95	25.06	25.13	0.00	25.70	16.90	16.91	16.71	0.00	17.50
		3	0	25.11	25.04	24.90	0.00	25.70	16.83	16.80	16.71	0.00	17.50
		3	1	24.86	25.02	25.07	0.00	25.70	16.90	16.81	16.73	0.00	17.50
		3	3	25.00	25.06	24.89	0.00	25.70	16.94	16.82	16.73	0.00	17.50
	16QAM	6	0	24.06	24.10	23.90	1.00	24.70	16.95	16.87	16.74	0.00	17.50
		1	0	24.02	23.98	24.06	1.00	24.70	16.94	16.96	17.08	0.00	17.50
		1	3	23.88	24.03	24.06	1.00	24.70	17.06	17.02	17.18	0.00	17.50
		1	5	23.97	24.09	23.95	1.00	24.70	17.06	17.06	17.14	0.00	17.50
		3	0	24.11	23.86	24.14	1.00	24.70	17.12	16.92	16.93	0.00	17.50
		3	1	23.88	23.93	24.14	1.00	24.70	17.19	16.96	16.96	0.00	17.50
	64QAM	3	3	24.09	23.90	24.05	1.00	24.70	17.20	16.99	17.00	0.00	17.50
		6	0	22.85	23.06	22.87	2.00	23.70	17.17	17.02	16.67	0.00	17.50
		1	0	23.14	22.93	23.14	2.00	23.70	16.61	16.78	16.58	0.00	17.50
		1	3	23.03	22.99	22.95	2.00	23.70	16.75	16.74	16.59	0.00	17.50
		1	5	22.87	23.03	23.01	2.00	23.70	16.72	16.61	16.71	0.00	17.50
		3	0	23.15	22.88	23.07	2.00	23.70	16.59	16.55	16.54	0.00	17.50
	256QAM	3	1	23.05	23.07	22.95	2.00	23.70	16.78	16.76	16.56	0.00	17.50
		3	3	23.00	23.01	22.87	2.00	23.70	16.65	16.67	16.69	0.00	17.50
		6	0	21.93	21.96	21.91	3.00	22.70	16.51	16.50	16.53	0.00	17.50
		1	0	20.13	19.98	19.85	5.00	20.70	16.54	16.77	16.70	0.00	17.50
		1	3	19.97	19.96	19.89	5.00	20.70	16.64	16.54	16.65	0.00	17.50
		1	5	19.90	20.09	20.13	5.00	20.70	16.56	16.68	16.67	0.00	17.50
		3	0	20.11	19.98	20.11	5.00	20.70	16.56	16.53	16.64	0.00	17.50
		3	1	20.05	20.00	20.00	5.00	20.70	16.75	16.52	16.57	0.00	17.50
		3	3	19.89	20.13	19.94	5.00	20.70	16.74	16.54	16.77	0.00	17.50
		6	0	19.89	20.03	20.11	5.00	20.70	16.55	16.61	16.67	0.00	17.50

LTE Band 25 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26140	26365	26590	MPR	Tune-up Limit	26140	26365	26590	MPR	Tune-up Limit
				1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	QPSK	1	0	20.96	20.92	21.13	0.00	21.50	18.26	18.82	18.61	0.00	19.25
		1	49	21.19	21.30	21.19	0.00	21.50	18.32	18.88	18.56	0.00	19.25
		1	99	21.12	20.90	21.00	0.00	21.50	18.25	18.71	18.52	0.00	19.25
		50	0	20.98	21.00	20.95	0.00	21.50	18.35	18.82	18.63	0.00	19.25
		50	24	21.02	21.10	21.08	0.00	21.50	18.42	18.85	18.69	0.00	19.25
		50	50	20.99	20.99	20.90	0.00	21.50	18.32	18.44	18.65	0.00	19.25
	16QAM	100	0	21.15	20.98	20.91	0.00	21.50	18.42	18.70	18.69	0.00	19.25
		1	0	20.92	21.02	21.15	0.00	21.50	18.53	18.88	18.92	0.00	19.25
		1	49	21.20	20.95	21.13	0.00	21.50	18.49	18.95	18.87	0.00	19.25
		1	99	21.03	21.11	21.18	0.00	21.50	18.45	18.95	18.82	0.00	19.25
		50	0	20.60	20.75	20.64	0.40	21.10	18.48	18.66	18.40	0.00	19.25
		50	24	20.77	20.62	20.76	0.40	21.10	18.57	18.69	18.45	0.00	19.25
	64QAM	50	50	20.53	20.53	20.75	0.40	21.10	18.50	18.52	18.41	0.00	19.25
		100	0	20.78	20.76	20.50	0.40	21.10	18.57	18.53	18.47	0.00	19.25
		1	0	20.63	20.74	20.52	0.40	21.10	18.78	18.73	18.73	0.00	19.25
		1	49	20.58	20.57	20.57	0.40	21.10	18.76	18.73	18.73	0.00	19.25
		1	99	20.56	20.54	20.67	0.40	21.10	18.89	18.85	18.90	0.00	19.25
		50	0	19.99	20.08	19.89	1.40	20.10	18.81	18.90	18.92	0.00	19.25
	256QAM	50	24	20.06	19.87	20.07	1.40	20.10	18.83	18.86	18.92	0.00	19.25
		50	50	19.98	19.83	19.96	1.40	20.10	18.96	18.97	18.72	0.00	19.25
		100	0	19.81	20.06	19.92	1.40	20.10	18.97	18.81	18.82	0.00	19.25
		1	0	17.92	17.81	18.09	3.40	18.10	17.82	17.71	17.65	1.15	18.10
		1	49	18.03	17.95	17.81	3.40	18.10	17.82	17.72	17.70	1.15	18.10
		1	99	17.97	17.95	17.84	3.40	18.10	17.84	17.57	17.60	1.15	18.10
15 MHz	QPSK	50	0	18.10	18.05	17.91	3.40	18.10	17.79	17.75	17.83	1.15	18.10
		50	24	17.83	17.80	17.94	3.40	18.10	17.68	17.61	17.69	1.15	18.10
		50	50	17.90	18.07	17.90	3.40	18.10	17.84	17.62	17.68	1.15	18.10
		100	0	18.00	17.92	17.83	3.40	18.10	17.80	17.57	17.83	1.15	18.10
	16QAM	1	0	20.96	21.07	20.91	0.00	21.50	18.39	18.45	18.40	0.00	19.25
		1	37	21.16	21.07	21.15	0.00	21.50	18.32	18.40	18.36	0.00	19.25
		1	74	21.20	21.19	21.01	0.00	21.50	18.34	18.40	18.30	0.00	19.25
		36	0	21.19	21.19	21.06	0.00	21.50	18.51	18.44	18.41	0.00	19.25
		36	20	21.20	20.93	21.07	0.00	21.50	18.47	18.49	18.41	0.00	19.25
		36	39	21.19	21.14	21.10	0.00	21.50	18.41	18.48	18.44	0.00	19.25
	64QAM	75	0	21.16	21.03	21.18	0.00	21.50	18.43	18.48	18.42	0.00	19.25
		1	0	21.01	21.01	20.96	0.00	21.50	18.84	18.80	18.45	0.00	19.25
		1	37	21.04	21.10	20.98	0.00	21.50	18.77	18.85	18.45	0.00	19.25
		1	74	21.07	20.91	21.06	0.00	21.50	18.77	18.86	18.37	0.00	19.25
		36	0	20.52	20.74	20.56	0.40	21.10	18.54	18.45	18.40	0.00	19.25
		36	20	20.64	20.79	20.72	0.40	21.10	18.53	18.52	18.41	0.00	19.25
	256QAM	36	39	20.64	20.76	20.53	0.40	21.10	18.46	18.44	18.40	0.00	19.25
		75	0	20.69	20.58	20.61	0.40	21.10	18.48	18.50	18.40	0.00	19.25
		1	0	20.59	20.78	20.79	0.40	21.10	19.20	19.12	19.01	0.00	19.25
		1	37	20.53	20.76	20.61	0.40	21.10	19.00	19.16	19.00	0.00	19.25
		1	74	20.60	20.73	20.69	0.40	21.10	18.98	19.11	19.19	0.00	19.25
		36	0	19.89	19.99	19.96	1.40	20.10	18.99	19.25	19.14	0.00	19.25
15 MHz	64QAM	36	20	20.09	19.87	19.82	1.40	20.10	19.24	19.08	19.19	0.00	19.25
		36	39	20.05	19.82	19.95	1.40	20.10	19.00	19.12	19.19	0.00	19.25
		75	0	19.97	19.99	19.93	1.40	20.10	19.12	19.20	19.09	0.00	19.25
	256QAM	1	0	17.86	18.02	17.88	3.40	18.10	18.09	17.87	17.81	1.15	18.10
		1	37	18.07	17.80	17.98	3.40	18.10	17.91	17.90	17.87	1.15	18.10
		1	74	18.01	18.03	17.90	3.40	18.10	17.94	17.99	17.93	1.15	18.10
		36	0	17.98	18.06	17.99	3.40	18.10	17.85	17.87	17.97	1.15	18.10
		36	20	17.82	17.83	17.97	3.40	18.10	17.93	18.02	17.93	1.15	18.10
		36	39	18.04	17.88	18.06	3.40	18.10	18.04	17.84	17.92	1.15	18.10
		75	0	18.05	17.82	18.02	3.40	18.10	17.93	17.81	17.97	1.15	18.10

LTE Band 25 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26090	26365	26640	MPR	Tune-up Limit	26090	26365	26640	MPR	Tune-up Limit
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	21.10	21.01	21.20	0.00	21.50	18.60	18.48	18.41	0.00	19.25
		1	25	21.08	21.16	20.93	0.00	21.50	18.47	18.42	18.40	0.00	19.25
		1	49	21.18	21.00	21.00	0.00	21.50	18.43	18.48	18.41	0.00	19.25
		25	0	21.09	21.08	20.99	0.00	21.50	18.64	18.50	18.40	0.00	19.25
		25	12	21.13	21.16	21.05	0.00	21.50	18.67	18.59	18.43	0.00	19.25
		25	25	21.13	21.18	21.06	0.00	21.50	18.64	18.55	18.48	0.00	19.25
	16QAM	50	0	21.09	21.09	20.91	0.00	21.50	18.65	18.57	18.43	0.00	19.25
		1	0	21.15	21.00	21.20	0.00	21.50	18.70	18.50	18.83	0.00	19.25
		1	25	21.12	20.95	21.11	0.00	21.50	18.61	18.43	18.81	0.00	19.25
		1	49	21.12	21.05	20.98	0.00	21.50	18.61	18.45	18.85	0.00	19.25
		25	0	20.72	20.60	20.60	0.40	21.10	18.74	18.53	18.34	0.00	19.25
		25	12	20.53	20.64	20.78	0.40	21.10	18.78	18.60	18.50	0.00	19.25
	64QAM	25	25	20.76	20.59	20.76	0.40	21.10	18.73	18.61	18.50	0.00	19.25
		50	0	20.69	20.62	20.55	0.40	21.10	18.67	18.57	18.50	0.00	19.25
		1	0	20.51	20.72	20.70	0.40	21.10	18.79	18.86	18.83	0.00	19.25
		1	25	20.70	20.53	20.61	0.40	21.10	18.84	18.84	18.81	0.00	19.25
		1	49	20.71	20.50	20.53	0.40	21.10	18.86	18.78	19.00	0.00	19.25
		25	0	19.92	19.85	20.05	1.40	20.10	18.74	18.99	18.89	0.00	19.25
	256QAM	25	12	20.06	19.90	19.94	1.40	20.10	18.92	18.82	19.00	0.00	19.25
		25	25	19.96	20.03	19.97	1.40	20.10	19.00	18.82	18.70	0.00	19.25
		50	0	19.81	20.03	19.88	1.40	20.10	18.85	18.78	18.85	0.00	19.25
		1	0	18.08	18.02	17.95	3.40	18.10	17.67	17.77	17.69	1.15	18.10
		1	25	17.82	17.88	17.98	3.40	18.10	17.62	17.64	17.56	1.15	18.10
		1	49	18.03	17.93	17.98	3.40	18.10	17.77	17.69	17.55	1.15	18.10
5 MHz	QPSK	25	0	18.09	18.02	17.82	3.40	18.10	17.55	17.63	17.64	1.15	18.10
		25	12	17.80	18.03	18.05	3.40	18.10	17.64	17.60	17.76	1.15	18.10
		25	25	17.81	17.86	17.99	3.40	18.10	17.57	17.80	17.71	1.15	18.10
		50	0	18.02	17.92	18.01	3.40	18.10	17.57	17.57	17.71	1.15	18.10
	16QAM	1	0	21.03	21.19	21.03	0.00	21.50	18.55	18.44	18.52	0.00	19.25
		1	12	21.09	21.18	21.18	0.00	21.50	18.58	18.50	18.45	0.00	19.25
		1	24	21.07	21.02	21.10	0.00	21.50	18.56	18.56	18.46	0.00	19.25
		12	0	20.90	21.10	21.17	0.00	21.50	18.61	18.46	18.44	0.00	19.25
		12	7	20.93	21.02	20.91	0.00	21.50	18.67	18.55	18.50	0.00	19.25
		12	13	21.02	21.01	20.91	0.00	21.50	18.68	18.59	18.49	0.00	19.25
		25	0	21.17	20.97	21.17	0.00	21.50	18.69	18.54	18.46	0.00	19.25
		1	0	20.94	20.95	20.98	0.00	21.50	18.66	18.64	18.68	0.00	19.25
		1	12	21.10	21.19	21.10	0.00	21.50	18.64	18.70	18.62	0.00	19.25
		1	24	21.04	20.97	20.94	0.00	21.50	18.68	18.73	18.65	0.00	19.25
		12	0	20.56	20.70	20.60	0.40	21.10	18.75	18.55	18.52	0.00	19.25
		12	7	20.68	20.65	20.54	0.40	21.10	18.84	18.63	18.55	0.00	19.25
	64QAM	12	13	20.56	20.66	20.67	0.40	21.10	18.84	18.66	18.60	0.00	19.25
		25	0	20.55	20.75	20.67	0.40	21.10	18.73	18.54	18.50	0.00	19.25
		1	0	20.68	20.63	20.61	0.40	21.10	18.85	18.83	18.88	0.00	19.25
		1	12	20.76	20.61	20.75	0.40	21.10	18.76	18.92	18.80	0.00	19.25
		1	24	20.71	20.64	20.77	0.40	21.10	18.91	18.84	18.93	0.00	19.25
		12	0	19.91	19.92	19.86	1.40	20.10	18.98	18.73	18.97	0.00	19.25
	256QAM	12	7	19.84	19.96	19.86	1.40	20.10	18.73	18.92	18.82	0.00	19.25
		12	13	19.96	19.91	20.01	1.40	20.10	18.91	18.92	18.93	0.00	19.25
		25	0	20.07	20.07	20.00	1.40	20.10	18.99	18.76	18.98	0.00	19.25
		1	0	17.95	17.89	18.06	3.40	18.10	17.60	17.71	17.82	1.15	18.10
		1	12	18.04	18.09	17.82	3.40	18.10	17.74	17.71	17.69	1.15	18.10
		1	24	17.98	17.90	17.94	3.40	18.10	17.63	17.72	17.75	1.15	18.10
	256QAM	12	0	17.95	17.97	17.94	3.40	18.10	17.65	17.75	17.81	1.15	18.10
		12	7	17.83	17.85	17.84	3.40	18.10	17.83	17.84	17.77	1.15	18.10
		12	13	17.85	17.83	17.93	3.40	18.10	17.82	17.78	17.71	1.15	18.10
		25	0	17.93	17.92	17.97	3.40	18.10	17.73	17.81	17.56	1.15	18.10

LTE Band 25 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26055	26365	26675	MPR	Tune-up Limit	26055	26365	26675	MPR	Tune-up Limit
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	21.18	20.92	20.99	0.00	21.50	18.51	18.38	18.34	0.00	19.25
		1	8	21.00	21.16	20.90	0.00	21.50	18.53	18.43	18.40	0.00	19.25
		1	14	21.13	21.18	21.01	0.00	21.50	18.63	18.54	18.44	0.00	19.25
		8	0	21.11	21.04	20.97	0.00	21.50	18.62	18.54	18.40	0.00	19.25
		8	4	21.18	20.93	21.03	0.00	21.50	18.70	18.54	18.48	0.00	19.25
		8	7	21.01	20.98	21.00	0.00	21.50	18.72	18.63	18.52	0.00	19.25
		15	0	21.03	20.91	21.09	0.00	21.50	18.70	18.56	18.45	0.00	19.25
	16QAM	1	0	21.05	21.06	20.92	0.00	21.50	18.68	18.47	18.77	0.00	19.25
		1	8	20.94	21.20	21.15	0.00	21.50	18.69	18.49	18.76	0.00	19.25
		1	14	20.99	21.10	20.97	0.00	21.50	18.75	18.58	18.89	0.00	19.25
		8	0	20.74	20.73	20.77	0.40	21.10	18.68	18.64	18.50	0.00	19.25
		8	4	20.63	20.65	20.53	0.40	21.10	18.72	18.69	18.56	0.00	19.25
		8	7	20.76	20.77	20.66	0.40	21.10	18.79	18.75	18.62	0.00	19.25
		15	0	20.75	20.72	20.59	0.40	21.10	18.66	18.59	18.53	0.00	19.25
	64QAM	1	0	20.53	20.55	20.63	0.40	21.10	18.71	18.71	18.86	0.00	19.25
		1	8	20.62	20.72	20.73	0.40	21.10	18.90	18.84	18.84	0.00	19.25
		1	14	20.72	20.54	20.55	0.40	21.10	18.99	18.71	18.95	0.00	19.25
		8	0	20.09	20.01	20.02	1.40	20.10	18.92	18.72	18.85	0.00	19.25
		8	4	19.96	19.87	19.87	1.40	20.10	18.80	18.76	18.89	0.00	19.25
		8	7	19.94	19.81	19.92	1.40	20.10	18.78	18.82	18.91	0.00	19.25
		15	0	20.02	20.00	19.87	1.40	20.10	18.88	18.76	18.84	0.00	19.25
	256QAM	1	0	17.97	18.01	17.89	3.40	18.10	17.79	17.58	17.56	1.15	18.10
		1	8	17.97	17.97	18.05	3.40	18.10	17.57	17.69	17.76	1.15	18.10
		1	14	17.87	17.94	17.85	3.40	18.10	17.57	17.68	17.67	1.15	18.10
		8	0	17.80	17.88	17.89	3.40	18.10	17.57	17.76	17.73	1.15	18.10
		8	4	17.94	17.94	17.82	3.40	18.10	17.61	17.77	17.68	1.15	18.10
		8	7	18.01	17.97	18.04	3.40	18.10	17.66	17.74	17.81	1.15	18.10
		15	0	18.01	17.80	17.92	3.40	18.10	17.70	17.74	17.64	1.15	18.10
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26047	26365	26683	MPR	Tune-up Limit	26047	26365	26683	MPR	Tune-up Limit
				1850.7 MHz	1882.5 MHz	1914.3 MHz			1850.7 MHz	1882.5 MHz	1914.3 MHz		
1.4 MHz	QPSK	1	0	21.11	20.91	20.94	0.00	21.50	18.54	18.39	18.25	0.00	19.25
		1	3	21.08	21.18	21.02	0.00	21.50	18.61	18.44	18.30	0.00	19.25
		1	5	21.16	20.97	21.04	0.00	21.50	18.61	18.44	18.30	0.00	19.25
		3	0	20.94	21.12	21.10	0.00	21.50	18.48	18.40	18.25	0.00	19.25
		3	1	21.07	21.18	21.12	0.00	21.50	18.52	18.45	18.30	0.00	19.25
		3	3	21.09	20.93	21.19	0.00	21.50	18.55	18.46	18.30	0.00	19.25
		6	0	21.11	21.19	20.93	0.00	21.50	18.59	18.46	18.38	0.00	19.25
	16QAM	1	0	21.13	21.12	21.01	0.00	21.50	18.65	18.87	18.33	0.00	19.25
		1	3	20.99	21.10	20.92	0.00	21.50	18.73	18.95	18.49	0.00	19.25
		1	5	21.02	21.10	20.92	0.00	21.50	18.72	18.96	18.47	0.00	19.25
		3	0	20.62	20.70	20.76	0.00	21.50	18.66	18.69	18.55	0.00	19.25
		3	1	20.54	20.69	20.78	0.00	21.50	18.65	18.71	18.59	0.00	19.25
		3	3	20.60	20.63	20.51	0.00	21.50	18.64	18.73	18.63	0.00	19.25
		6	0	20.55	20.55	20.54	0.40	21.10	18.77	18.44	18.54	0.00	19.25
	64QAM	1	0	20.59	20.55	20.61	0.40	21.10	18.79	18.75	18.95	0.00	19.25
		1	3	20.72	20.65	20.70	0.40	21.10	18.77	19.00	18.74	0.00	19.25
		1	5	20.66	20.75	20.65	0.40	21.10	18.75	18.91	18.75	0.00	19.25
		3	0	20.40	20.37	20.37	0.40	21.10	18.80	18.92	18.81	0.00	19.25
		3	1	20.37	20.29	20.22	0.40	21.10	18.76	18.96	18.89	0.00	19.25
		3	3	20.22	20.35	20.42	0.40	21.10	19.00	18.90	18.85	0.00	19.25
		6	0	20.02	19.83	19.92	1.40	20.10	18.85	18.87	18.95	0.00	19.25
	256QAM	1	0	17.85	17.98	17.82	3.40	18.10	17.72	17.80	17.59	1.15	18.10
		1	3	17.81	17.98	18.07	3.40	18.10	17.81	17.63	17.75	1.15	18.10
		1	5	17.84	17.84	18.06	3.40	18.10	17.57	17.55	17.84	1.15	18.10
		3	0	18.05	18.05	17.91	3.40	18.10	17.62	17.56	17.79	1.15	18.10
		3	1	17.83	17.94	17.88	3.40	18.10	17.75	17.85	17.81	1.15	18.10
		3	3	17.92	17.90	18.10	3.40	18.10	17.66	17.78	17.64	1.15	18.10
		6	0	17.85	17.94	18.05	3.40	18.10	17.84	17.83	17.60	1.15	18.10

LTE Band 25 Measured Results (ANT3)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26140	26365	26590	MPR	Tune-up Limit	26140	26365	26590	MPR	Tune-up Limit
				1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	QPSK	1	0	24.07	23.98	23.90	0.00	24.70	20.87	20.69	20.89	0.00	21.25
		1	49	24.10	24.16	24.00	0.00	24.70	20.96	20.95	21.02	0.00	21.25
		1	99	23.92	23.85	23.75	0.00	24.70	20.71	20.76	20.76	0.00	21.25
		50	0	23.15	22.97	22.89	1.00	23.70	20.91	20.96	20.90	0.00	21.25
		50	24	23.14	23.22	22.98	1.00	23.70	21.05	21.18	21.13	0.00	21.25
		50	50	23.09	22.99	22.90	1.00	23.70	20.84	20.98	20.91	0.00	21.25
	16QAM	100	0	23.11	23.04	22.89	1.00	23.70	20.86	21.15	20.88	0.00	21.25
		1	0	23.50	23.42	23.46	1.00	23.70	21.03	21.01	21.08	0.00	21.25
		1	49	23.49	23.37	23.40	1.00	23.70	20.90	20.97	21.01	0.00	21.25
		1	99	23.47	23.30	23.45	1.00	23.70	20.86	20.93	21.03	0.00	21.25
		50	0	22.19	21.99	21.94	2.00	22.70	20.92	20.93	20.90	0.00	21.25
		50	24	22.17	22.05	22.00	2.00	22.70	20.88	20.99	21.01	0.00	21.25
	64QAM	50	50	22.12	21.97	21.93	2.00	22.70	20.82	20.96	20.94	0.00	21.25
		100	0	22.14	22.04	21.92	2.00	22.70	20.83	21.01	20.91	0.00	21.25
		1	0	21.92	21.84	21.77	2.00	22.70	20.70	20.69	20.52	0.00	21.25
		1	49	21.87	21.78	21.82	2.00	22.70	20.52	20.53	20.67	0.00	21.25
		1	99	21.87	21.94	21.93	2.00	22.70	20.68	20.54	20.50	0.00	21.25
		50	0	20.94	20.81	20.85	3.00	21.70	20.68	20.69	20.47	0.00	21.25
	256QAM	50	24	20.75	20.87	20.94	3.00	21.70	20.72	20.61	20.50	0.00	21.25
		50	50	20.89	20.87	20.81	3.00	21.70	20.75	20.74	20.51	0.00	21.25
		100	0	20.93	20.91	20.86	3.00	21.70	20.51	20.64	20.62	0.00	21.25
		1	0	18.73	18.70	18.94	5.00	19.70	19.13	19.14	19.09	1.55	19.70
		1	49	18.92	18.70	18.79	5.00	19.70	19.08	19.15	18.98	1.55	19.70
		1	99	18.93	18.73	18.83	5.00	19.70	19.02	19.07	19.04	1.55	19.70
15 MHz	QPSK	50	0	18.70	18.91	18.82	5.00	19.70	19.11	19.07	19.19	1.55	19.70
		50	24	18.70	18.82	18.88	5.00	19.70	19.18	18.91	19.12	1.55	19.70
		50	50	18.77	18.71	18.78	5.00	19.70	18.92	19.05	18.91	1.55	19.70
		100	0	18.77	18.81	18.70	5.00	19.70	18.97	18.98	18.94	1.55	19.70
	16QAM	1	0	24.11	23.94	23.90	0.00	24.70	20.85	20.72	20.60	0.00	21.25
		1	37	24.06	23.87	23.83	0.00	24.70	20.76	20.67	20.54	0.00	21.25
		1	74	24.04	23.86	23.83	0.00	24.70	20.77	20.64	20.46	0.00	21.25
		36	0	23.19	23.00	22.93	1.00	23.70	20.93	20.70	20.62	0.00	21.25
		36	20	23.16	22.96	22.91	1.00	23.70	20.90	20.67	20.59	0.00	21.25
		36	39	23.11	22.99	22.91	1.00	23.70	20.84	20.70	20.61	0.00	21.25
	64QAM	75	0	23.12	23.00	22.88	1.00	23.70	20.84	20.74	20.56	0.00	21.25
		1	0	23.52	22.90	23.30	1.00	23.70	20.97	21.04	20.52	0.00	21.25
		1	37	23.49	22.91	23.29	1.00	23.70	20.93	21.07	20.59	0.00	21.25
		1	74	23.51	22.90	23.23	1.00	23.70	20.89	21.04	20.47	0.00	21.25
		36	0	22.17	21.97	21.96	2.00	22.70	20.96	20.68	20.64	0.00	21.25
		36	20	22.16	21.96	21.94	2.00	22.70	20.95	20.63	20.64	0.00	21.25
	256QAM	36	39	22.11	22.00	21.94	2.00	22.70	20.86	20.67	20.63	0.00	21.25
		75	0	22.13	22.01	21.90	2.00	22.70	20.90	20.70	20.63	0.00	21.25
		1	0	21.73	21.92	21.87	2.00	22.70	20.67	20.53	20.49	0.00	21.25
		1	37	21.81	21.83	21.75	2.00	22.70	20.56	20.59	20.68	0.00	21.25
		1	74	21.88	21.70	21.84	2.00	22.70	20.46	20.52	20.67	0.00	21.25
		36	0	20.85	20.71	20.92	3.00	21.70	20.73	20.46	20.53	0.00	21.25
15 MHz	64QAM	36	20	20.81	20.94	20.92	3.00	21.70	20.71	20.65	20.65	0.00	21.25
		36	39	20.90	20.74	20.75	3.00	21.70	20.67	20.53	20.64	0.00	21.25
		75	0	20.78	20.90	20.89	3.00	21.70	20.70	20.71	20.57	0.00	21.25
	256QAM	1	0	18.77	18.70	18.70	5.00	19.70	19.01	19.13	18.94	1.55	19.70
		1	37	18.93	18.84	18.81	5.00	19.70	19.13	19.17	19.17	1.55	19.70
		1	74	18.70	18.93	18.77	5.00	19.70	19.15	19.06	18.91	1.55	19.70
	256QAM	36	0	18.91	18.83	18.71	5.00	19.70	18.95	18.95	19.10	1.55	19.70
		36	20	18.93	18.85	18.93	5.00	19.70	19.13	19.02	19.08	1.55	19.70
		36	39	18.80	18.81	18.77	5.00	19.70	19.09	19.14	19.18	1.55	19.70
		75	0	18.93	18.92	18.76	5.00	19.70	19.12	18.98	19.01	1.55	19.70

LTE Band 25 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)					
				26090	26365	26640	MPR	Tune-up Limit	26090	26365	26640	MPR	Tune-up Limit	
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz			
10 MHz	QPSK	1	0	24.07	23.83	23.78	0.00	24.70	20.80	20.58	20.51	0.00	21.25	
		1	25	23.98	23.83	23.76	0.00	24.70	20.72	20.55	20.47	0.00	21.25	
		1	49	24.02	23.80	23.77	0.00	24.70	20.74	20.53	20.52	0.00	21.25	
		25	0	23.12	22.91	22.85	1.00	23.70	20.84	20.66	20.58	0.00	21.25	
		25	12	23.14	22.93	22.85	1.00	23.70	20.86	20.67	20.58	0.00	21.25	
		25	25	23.11	22.99	22.88	1.00	23.70	20.82	20.72	20.62	0.00	21.25	
	16QAM	50	0	23.13	22.99	22.82	1.00	23.70	20.84	20.74	20.55	0.00	21.25	
		1	0	23.50	23.01	22.83	1.00	23.70	20.99	20.76	20.58	0.00	21.25	
		1	25	23.42	22.93	22.76	1.00	23.70	20.90	20.69	20.57	0.00	21.25	
		1	49	23.43	22.94	22.79	1.00	23.70	20.97	20.72	20.54	0.00	21.25	
		25	0	22.17	22.01	21.88	2.00	22.70	20.98	20.79	20.61	0.00	21.25	
		25	12	22.18	22.02	21.88	2.00	22.70	20.97	20.77	20.62	0.00	21.25	
	64QAM	25	25	22.16	22.06	21.94	2.00	22.70	20.95	20.88	20.70	0.00	21.25	
		50	0	22.17	22.03	21.82	2.00	22.70	20.94	20.78	20.58	0.00	21.25	
		1	0	21.84	21.89	21.82	2.00	22.70	20.52	20.65	20.63	0.00	21.25	
		1	25	21.88	21.70	21.77	2.00	22.70	20.50	20.57	20.64	0.00	21.25	
		1	49	21.78	21.72	21.74	2.00	22.70	20.57	20.74	20.54	0.00	21.25	
		25	0	20.70	20.71	20.93	3.00	21.70	20.74	20.63	20.58	0.00	21.25	
	256QAM	25	12	20.70	20.73	20.70	3.00	21.70	20.72	20.56	20.72	0.00	21.25	
		25	25	20.70	20.79	20.71	3.00	21.70	20.52	20.49	20.72	0.00	21.25	
		50	0	20.90	20.92	20.73	3.00	21.70	20.64	20.74	20.58	0.00	21.25	
		1	0	18.72	18.82	18.78	5.00	19.70	19.08	19.20	19.08	1.55	19.70	
		1	25	18.76	18.84	18.93	5.00	19.70	18.95	19.03	19.10	1.55	19.70	
		1	49	18.75	18.70	18.91	5.00	19.70	19.14	19.19	18.90	1.55	19.70	
5 MHz	QPSK	25	0	18.84	18.73	18.89	5.00	19.70	19.01	19.07	19.19	1.55	19.70	
		25	12	18.70	18.74	18.76	5.00	19.70	18.99	18.99	18.95	1.55	19.70	
		25	25	18.83	18.91	18.78	5.00	19.70	19.02	19.10	19.04	1.55	19.70	
		50	0	18.95	18.75	18.78	5.00	19.70	18.99	19.04	18.95	1.55	19.70	
	16QAM				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		
		1	0	24.12	23.93	23.78	0.00	24.70	20.76	20.62	20.71	0.00	21.25	
		1	12	24.09	23.95	23.80	0.00	24.70	20.83	20.67	20.65	0.00	21.25	
		1	24	24.14	24.00	23.82	0.00	24.70	20.79	20.72	20.64	0.00	21.25	
		12	0	23.10	22.85	22.80	1.00	23.70	20.83	20.66	20.58	0.00	21.25	
		12	7	23.18	22.92	22.90	1.00	23.70	20.87	20.72	20.64	0.00	21.25	
		12	13	23.18	22.98	22.91	1.00	23.70	20.90	20.77	20.67	0.00	21.25	
		25	0	23.15	22.94	22.87	1.00	23.70	20.89	20.68	20.63	0.00	21.25	
		1	0	23.26	23.05	23.38	1.00	23.70	20.92	20.83	20.80	0.00	21.25	
		1	12	23.22	23.11	23.30	1.00	23.70	21.03	20.87	20.76	0.00	21.25	
	64QAM	1	24	23.28	23.18	23.37	1.00	23.70	20.99	20.92	20.78	0.00	21.25	
		12	0	22.17	21.94	21.95	2.00	22.70	20.88	20.73	20.66	0.00	21.25	
		12	7	22.19	21.98	22.03	2.00	22.70	20.93	20.77	20.73	0.00	21.25	
		12	13	22.25	22.06	22.05	2.00	22.70	20.96	20.88	20.77	0.00	21.25	
		25	0	22.09	21.93	21.93	2.00	22.70	20.84	20.66	20.65	0.00	21.25	
		1	0	21.88	21.81	21.92	2.00	22.70	20.57	20.64	20.52	0.00	21.25	
	256QAM	1	12	21.70	21.75	21.81	2.00	22.70	20.68	20.47	20.67	0.00	21.25	
		1	24	21.70	21.75	21.70	2.00	22.70	20.53	20.52	20.56	0.00	21.25	
		12	0	20.83	20.70	20.81	3.00	21.70	20.68	20.70	20.63	0.00	21.25	
		12	7	20.92	20.77	20.80	3.00	21.70	20.61	20.75	20.58	0.00	21.25	
		12	13	20.80	20.86	20.92	3.00	21.70	20.52	20.51	20.61	0.00	21.25	
		25	0	20.83	20.86	20.78	3.00	21.70	20.47	20.51	20.55	0.00	21.25	
	256QAM	1	0	18.85	18.74	18.75	5.00	19.70	19.13	19.04	19.00	1.55	19.70	
		1	12	18.93	18.94	18.79	5.00	19.70	19.19	19.04	18.93	1.55	19.70	
		1	24	18.86	18.82	18.87	5.00	19.70	18.95	19.14	19.05	1.55	19.70	
		12	0	18.82	18.78	18.70	5.00	19.70	19.01	19.13	19.16	1.55	19.70	
		12	7	18.88	18.78	18.85	5.00	19.70	19.11	19.10	19.04	1.55	19.70	
		12	13	18.92	18.75	18.75	5.00	19.70	18.97	19.12	19.19	1.55	19.70	
	256QAM	25	0	18.79	18.94	18.90	5.00	19.70	19.10	19.15	19.08	1.55	19.70	

LTE Band 25 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26055	26365	26675	MPR	Tune-up Limit	26055	26365	26675	MPR	Tune-up Limit
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	24.04	23.78	23.75	0.00	24.70	20.65	20.52	20.50	0.00	21.25
		1	8	24.06	23.82	23.72	0.00	24.70	20.65	20.57	20.54	0.00	21.25
		1	14	24.14	23.93	23.87	0.00	24.70	20.86	20.68	20.58	0.00	21.25
		8	0	23.07	22.86	22.80	1.00	23.70	20.91	20.65	20.55	0.00	21.25
		8	4	23.11	22.92	22.88	1.00	23.70	20.95	20.68	20.61	0.00	21.25
		8	7	23.20	23.03	22.92	1.00	23.70	20.98	20.76	20.62	0.00	21.25
	16QAM	15	0	23.11	22.90	22.89	1.00	23.70	20.93	20.65	20.59	0.00	21.25
		1	0	23.45	22.91	22.72	1.00	23.70	20.93	20.53	20.96	0.00	21.25
		1	8	23.44	22.92	22.71	1.00	23.70	20.91	20.63	20.96	0.00	21.25
		1	14	23.42	23.05	22.75	1.00	23.70	20.99	20.69	21.04	0.00	21.25
		8	0	22.15	21.91	21.96	2.00	22.70	20.93	20.73	20.62	0.00	21.25
		8	4	22.21	21.98	21.98	2.00	22.70	20.99	20.79	20.68	0.00	21.25
	64QAM	8	7	22.25	22.04	22.03	2.00	22.70	21.02	20.90	20.75	0.00	21.25
		15	0	22.15	21.87	21.93	2.00	22.70	20.91	20.69	20.65	0.00	21.25
		1	0	21.85	22.05	21.80	2.00	22.70	20.63	20.59	20.56	0.00	21.25
		1	8	21.83	21.96	21.98	2.00	22.70	20.65	20.71	20.70	0.00	21.25
		1	14	21.82	21.92	22.06	2.00	22.70	20.58	20.57	20.58	0.00	21.25
		8	0	20.84	20.84	21.05	3.00	21.70	20.66	20.57	20.53	0.00	21.25
1.4 MHz	QPSK	8	4	20.94	20.93	20.83	3.00	21.70	20.61	20.69	20.51	0.00	21.25
		8	7	20.81	20.81	21.03	3.00	21.70	20.53	20.51	20.58	0.00	21.25
		15	0	20.96	20.85	20.92	3.00	21.70	20.58	20.64	20.64	0.00	21.25
	16QAM	1	0	18.95	18.85	18.91	5.00	19.70	18.96	19.12	18.94	1.55	19.70
		1	8	19.01	18.85	18.90	5.00	19.70	18.95	19.18	18.97	1.55	19.70
		1	14	18.83	19.08	18.87	5.00	19.70	18.90	19.20	18.96	1.55	19.70
	64QAM	8	0	19.05	18.91	18.84	5.00	19.70	19.19	19.04	18.90	1.55	19.70
		8	4	19.08	18.97	19.05	5.00	19.70	19.04	18.92	18.96	1.55	19.70
		8	7	18.92	18.82	18.99	5.00	19.70	19.12	19.09	19.09	1.55	19.70
	256QAM	15	0	19.03	19.00	19.04	5.00	19.70	18.91	18.98	18.96	1.55	19.70
		26047	26365	26683	MPR	Tune-up Limit	Power Mode B (dBm)						
		1850.7 MHz	1882.5 MHz	1914.3 MHz			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				
	QPSK	1	0	24.06	23.86	24.00	0.00	24.70	20.49	20.54	20.39	0.00	21.25
		1	3	23.80	24.02	23.90	0.00	24.70	20.60	20.60	20.48	0.00	21.25
		1	5	24.03	23.99	23.89	0.00	24.70	20.71	20.56	20.50	0.00	21.25
		3	0	23.74	23.76	23.88	0.00	24.70	20.69	20.48	20.46	0.00	21.25
		3	1	23.87	23.85	23.82	0.00	24.70	20.77	20.53	20.51	0.00	21.25
		3	3	23.86	23.90	23.80	0.00	24.70	20.76	20.54	20.56	0.00	21.25
	16QAM	6	0	22.97	22.99	23.02	1.00	23.70	20.83	20.56	20.57	0.00	21.25
		1	0	23.09	23.08	22.98	1.00	23.70	20.80	20.71	20.96	0.00	21.25
		1	3	22.81	22.81	22.80	1.00	23.70	20.92	20.81	21.04	0.00	21.25
		1	5	23.02	23.03	23.09	1.00	23.70	20.90	20.82	21.04	0.00	21.25
		3	0	22.90	22.80	22.74	1.00	23.70	20.97	20.73	20.78	0.00	21.25
		3	1	22.75	22.82	22.82	1.00	23.70	21.04	20.76	20.86	0.00	21.25
	64QAM	3	3	22.82	22.78	22.82	1.00	23.70	21.05	20.77	20.89	0.00	21.25
		6	0	21.89	22.08	21.96	2.00	22.70	21.00	20.82	20.53	0.00	21.25
		1	0	22.06	21.91	22.09	2.00	22.70	20.62	20.67	20.71	0.00	21.25
		1	3	22.07	22.04	21.87	2.00	22.70	20.64	20.61	20.47	0.00	21.25
		1	5	21.84	21.98	21.90	2.00	22.70	20.61	20.46	20.53	0.00	21.25
		3	0	21.70	21.71	21.82	2.00	22.70	20.49	20.52	20.73	0.00	21.25
	256QAM	3	1	21.82	21.73	21.89	2.00	22.70	20.72	20.65	20.68	0.00	21.25
		3	3	21.74	21.72	21.70	2.00	22.70	20.56	20.53	20.50	0.00	21.25
		6	0	21.08	20.90	21.06	3.00	21.70	20.47	20.59	20.56	0.00	21.25
		1	0	19.05	19.07	19.06	5.00	19.70	19.01	18.96	19.05	1.55	19.70
		1	3	19.05	19.09	18.81	5.00	19.70	19.17	19.09	19.06	1.55	19.70
		1	5	18.93	18.83	19.08	5.00	19.70	18.93	19.13	19.06	1.55	19.70
	256QAM	3	0	19.01	18.85	18.92	5.00	19.70	19.02	19.10	19.01	1.55	19.70
		3	1	18.89	19.06	18.80	5.00	19.70	18.93	19.07	19.06	1.55	19.70
		3	3	18.94	18.94	18.80	5.00	19.70	19.01	18.95	19.15	1.55	19.70
		6	0	18.83	19.09	18.91	5.00	19.70	19.15	19.13	19.16	1.55	19.70

LTE Band 25 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26140	26365	26590	MPR	Tune-up Limit	26140	26365	26590	MPR	Tune-up Limit
				1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	QPSK	1	0	19.90	19.88	19.83	0.00	20.50	21.44	21.45	21.35	0.00	21.75
		1	49	19.95	19.90	19.90	0.00	20.50	21.49	21.49	21.40	0.00	21.75
		1	99	19.86	19.78	19.90	0.00	20.50	21.35	21.32	21.16	0.00	21.75
		50	0	19.88	19.84	19.80	0.00	20.50	21.62	21.52	21.51	0.05	21.70
		50	24	19.89	19.86	19.86	0.00	20.50	21.65	21.67	21.70	0.05	21.70
		50	50	19.88	19.81	19.85	0.00	20.50	21.42	21.55	21.68	0.05	21.70
	16QAM	100	0	19.79	19.75	19.70	0.00	20.50	21.65	21.55	21.70	0.05	21.70
		1	0	19.69	19.53	19.52	0.00	20.50	21.26	21.21	21.20	0.05	21.70
		1	49	19.63	19.50	19.50	0.00	20.50	21.19	21.16	21.12	0.05	21.70
		1	99	19.61	19.50	19.64	0.00	20.50	21.16	21.09	21.18	0.05	21.70
		50	0	19.63	19.52	19.73	0.00	20.50	19.82	19.76	19.95	1.05	20.70
		50	24	19.69	19.50	19.70	0.00	20.50	19.88	19.74	19.92	1.05	20.70
	64QAM	50	50	19.63	19.50	19.71	0.00	20.50	19.84	19.77	19.92	1.05	20.70
		100	0	19.64	19.50	19.70	0.00	20.50	19.85	19.72	19.94	1.05	20.70
		1	0	19.69	19.65	19.64	0.00	20.50	20.56	20.63	20.66	1.05	20.70
		1	49	19.69	19.69	19.59	0.00	20.50	20.58	20.63	20.69	1.05	20.70
		1	99	19.64	19.58	19.70	0.00	20.50	20.56	20.66	20.51	1.05	20.70
		50	0	19.56	19.52	19.67	0.80	19.70	19.62	19.51	19.70	2.05	19.70
	256QAM	50	24	19.51	19.61	19.64	0.80	19.70	19.52	19.64	19.57	2.05	19.70
		50	50	19.59	19.65	19.60	0.80	19.70	19.63	19.63	19.55	2.05	19.70
		100	0	19.65	19.52	19.56	0.80	19.70	19.62	19.59	19.56	2.05	19.70
		1	0	17.57	17.64	17.60	2.80	17.70	17.68	17.68	17.66	4.05	17.70
		1	49	17.63	17.62	17.59	2.80	17.70	17.53	17.55	17.69	4.05	17.70
		1	99	17.61	17.65	17.58	2.80	17.70	17.64	17.60	17.55	4.05	17.70
15 MHz	QPSK	50	0	17.59	17.57	17.53	2.80	17.70	17.65	17.63	17.63	4.05	17.70
		50	24	17.56	17.70	17.51	2.80	17.70	17.51	17.56	17.58	4.05	17.70
		50	50	17.58	17.58	17.56	2.80	17.70	17.54	17.59	17.62	4.05	17.70
		100	0	17.61	17.65	17.68	2.80	17.70	17.50	17.65	17.60	4.05	17.70
	16QAM	1	0	19.77	19.61	19.56	0.00	20.50	21.50	21.46	21.28	0.00	21.75
		1	37	19.76	19.57	19.50	0.00	20.50	21.42	21.43	21.23	0.00	21.75
		1	74	19.70	19.55	19.50	0.00	20.50	21.43	21.37	21.12	0.00	21.75
		36	0	19.84	19.69	19.56	0.00	20.50	20.89	20.78	20.88	0.05	21.70
		36	20	19.83	19.64	19.60	0.00	20.50	20.88	20.74	20.95	0.05	21.70
		36	39	19.75	19.65	19.51	0.00	20.50	20.82	20.77	20.89	0.05	21.70
	64QAM	75	0	19.77	19.63	19.50	0.00	20.50	20.81	20.90	20.88	0.05	21.70
		1	0	19.98	19.68	19.96	0.00	20.50	21.21	21.14	20.81	0.05	21.70
		1	37	19.85	19.62	19.93	0.00	20.50	21.16	21.12	20.82	0.05	21.70
		1	74	19.87	19.61	19.83	0.00	20.50	21.15	21.13	20.73	0.05	21.70
		36	0	19.64	19.50	19.50	0.00	20.50	19.95	19.76	19.92	1.05	20.70
		36	20	19.61	19.50	19.50	0.00	20.50	19.93	19.74	19.98	1.05	20.70
	256QAM	36	39	19.56	19.50	19.50	0.00	20.50	19.84	19.74	19.89	1.05	20.70
		75	0	19.60	19.50	19.50	0.00	20.50	19.88	19.71	19.85	1.05	20.70
		1	0	19.87	19.87	19.93	0.00	20.50	20.55	20.63	20.65	1.05	20.70
		1	37	19.94	19.85	19.95	0.00	20.50	20.53	20.54	20.56	1.05	20.70
		1	74	19.93	19.98	19.95	0.00	20.50	20.62	20.63	20.57	1.05	20.70
		36	0	19.33	19.33	19.45	0.80	19.70	19.52	19.54	19.66	2.05	19.70
15 MHz	64QAM	36	20	19.31	19.27	19.26	0.80	19.70	19.58	19.56	19.55	2.05	19.70
		36	39	19.39	19.40	19.38	0.80	19.70	19.53	19.51	19.60	2.05	19.70
		75	0	19.35	19.32	19.40	0.80	19.70	19.52	19.61	19.53	2.05	19.70
	256QAM	1	0	17.38	17.41	17.40	2.80	17.70	17.60	17.66	17.51	4.05	17.70
		1	37	17.36	17.42	17.41	2.80	17.70	17.69	17.53	17.53	4.05	17.70
		1	74	17.30	17.36	17.44	2.80	17.70	17.63	17.61	17.61	4.05	17.70
	256QAM	36	0	17.34	17.33	17.34	2.80	17.70	17.64	17.58	17.56	4.05	17.70
		36	20	17.30	17.43	17.39	2.80	17.70	17.69	17.54	17.51	4.05	17.70
		36	39	17.27	17.39	17.43	2.80	17.70	17.67	17.59	17.67	4.05	17.70
		75	0	17.28	17.26	17.29	2.80	17.70	17.57	17.60	17.65	4.05	17.70

LTE Band 25 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26090	26365	26640	MPR	Tune-up Limit	26090	26365	26640	MPR	Tune-up Limit
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	19.73	19.64	19.52	0.00	20.50	21.51	21.33	21.23	0.00	21.75
		1	25	19.64	19.62	19.50	0.00	20.50	21.43	21.31	21.18	0.00	21.75
		1	49	19.59	19.68	19.50	0.00	20.50	21.44	21.26	21.18	0.00	21.75
		25	0	19.78	19.72	19.54	0.00	20.50	20.84	20.71	20.84	0.05	21.70
		25	12	19.80	19.74	19.53	0.00	20.50	20.85	20.72	20.81	0.05	21.70
		25	25	19.74	19.75	19.58	0.00	20.50	20.82	20.79	20.84	0.05	21.70
	16QAM	50	0	19.76	19.69	19.52	0.00	20.50	20.85	20.90	20.84	0.05	21.70
		1	0	19.73	19.67	19.94	0.00	20.50	21.19	20.79	20.82	0.05	21.70
		1	25	19.62	19.65	19.88	0.00	20.50	21.14	20.90	20.75	0.05	21.70
		1	49	19.69	19.68	19.91	0.00	20.50	21.15	20.76	20.79	0.05	21.70
		25	0	19.66	19.50	19.50	0.00	20.50	19.90	19.81	19.86	1.05	20.70
		25	12	19.69	19.50	19.50	0.00	20.50	19.90	19.84	19.86	1.05	20.70
	64QAM	25	25	19.65	19.55	19.50	0.00	20.50	19.88	19.88	19.95	1.05	20.70
		50	0	19.62	19.50	19.50	0.00	20.50	19.89	19.75	19.82	1.05	20.70
		1	0	20.23	20.21	20.21	0.00	20.50	20.59	20.52	20.55	1.05	20.70
		1	25	20.19	20.09	20.21	0.00	20.50	20.57	20.56	20.51	1.05	20.70
		1	49	20.17	20.16	20.22	0.00	20.50	20.50	20.61	20.69	1.05	20.70
		25	0	19.37	19.43	19.30	0.80	19.70	19.62	19.50	19.60	2.05	19.70
	256QAM	25	12	19.45	19.41	19.41	0.80	19.70	19.56	19.52	19.61	2.05	19.70
		25	25	19.28	19.37	19.43	0.80	19.70	19.52	19.63	19.69	2.05	19.70
		50	0	19.32	19.34	19.35	0.80	19.70	19.69	19.66	19.52	2.05	19.70
		1	0	17.28	17.44	17.36	2.80	17.70	17.63	17.52	17.54	4.05	17.70
		1	25	17.37	17.27	17.40	2.80	17.70	17.50	17.60	17.67	4.05	17.70
		1	49	17.27	17.41	17.36	2.80	17.70	17.66	17.69	17.55	4.05	17.70
5 MHz	QPSK	25	0	17.40	17.29	17.33	2.80	17.70	17.67	17.53	17.67	4.05	17.70
		25	12	17.30	17.37	17.41	2.80	17.70	17.54	17.51	17.63	4.05	17.70
		25	25	17.43	17.40	17.27	2.80	17.70	17.60	17.56	17.52	4.05	17.70
		50	0	17.44	17.35	17.33	2.80	17.70	17.59	17.60	17.59	4.05	17.70
	16QAM	1	0	19.78	19.74	19.50	0.00	20.50	21.47	21.39	21.36	0.00	21.75
		1	12	19.80	19.75	19.50	0.00	20.50	21.47	21.42	21.31	0.00	21.75
		1	24	19.84	19.79	19.50	0.00	20.50	21.46	21.47	21.31	0.00	21.75
		12	0	19.82	19.64	19.54	0.00	20.50	20.78	20.86	20.89	0.05	21.70
		12	7	19.89	19.72	19.57	0.00	20.50	20.90	20.75	20.92	0.05	21.70
		12	13	19.86	19.80	19.58	0.00	20.50	20.87	20.82	20.94	0.05	21.70
	64QAM	25	0	19.84	19.66	19.56	0.00	20.50	20.85	20.71	20.88	0.05	21.70
		1	0	19.97	19.83	20.05	0.00	20.50	21.33	20.86	20.80	0.05	21.70
		1	12	19.85	19.85	19.99	0.00	20.50	21.40	20.93	20.70	0.05	21.70
		1	24	19.97	19.90	20.03	0.00	20.50	21.38	20.97	20.78	0.05	21.70
		12	0	19.68	19.50	19.50	0.00	20.50	19.97	19.75	19.83	1.05	20.70
		12	7	19.69	19.57	19.53	0.00	20.50	20.01	19.82	19.86	1.05	20.70
	256QAM	12	13	19.71	19.67	19.51	0.00	20.50	20.03	19.88	19.92	1.05	20.70
		25	0	19.59	19.50	19.50	0.00	20.50	19.94	19.87	19.83	1.05	20.70
		1	0	20.20	20.17	20.09	0.00	20.50	20.69	20.56	20.55	1.05	20.70
		1	12	20.09	20.06	20.22	0.00	20.50	20.60	20.60	20.57	1.05	20.70
		1	24	20.07	20.22	20.24	0.00	20.50	20.56	20.58	20.56	1.05	20.70
		12	0	19.33	19.40	19.29	0.80	19.70	19.59	19.68	19.66	2.05	19.70
	64QAM	12	7	19.33	19.27	19.35	0.80	19.70	19.53	19.51	19.50	2.05	19.70
		12	13	19.37	19.28	19.29	0.80	19.70	19.52	19.54	19.67	2.05	19.70
		25	0	19.34	19.34	19.35	0.80	19.70	19.51	19.56	19.65	2.05	19.70
		1	0	17.32	17.27	17.27	2.80	17.70	17.53	17.58	17.60	4.05	17.70
		1	12	17.25	17.38	17.38	2.80	17.70	17.51	17.54	17.59	4.05	17.70
		1	24	17.34	17.40	17.42	2.80	17.70	17.62	17.68	17.65	4.05	17.70
	256QAM	12	0	17.28	17.27	17.28	2.80	17.70	17.60	17.58	17.54	4.05	17.70
		12	7	17.42	17.37	17.31	2.80	17.70	17.63	17.59	17.58	4.05	17.70
		12	13	17.29	17.39	17.42	2.80	17.70	17.59	17.57	17.66	4.05	17.70
		25	0	17.40	17.43	17.29	2.80	17.70	17.61	17.67	17.61	4.05	17.70

LTE Band 25 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26055	26365	26675	MPR	Tune-up Limit	26055	26365	26675	MPR	Tune-up Limit
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	19.66	19.50	19.50	0.00	20.50	21.45	21.26	21.15	0.00	21.75
		1	8	19.67	19.59	19.51	0.00	20.50	21.48	21.34	21.14	0.00	21.75
		1	14	19.74	19.72	19.52	0.00	20.50	21.55	21.41	21.28	0.00	21.75
		8	0	19.77	19.61	19.51	0.00	20.50	20.78	20.89	20.81	0.05	21.70
		8	4	19.84	19.70	19.56	0.00	20.50	20.85	20.74	20.88	0.05	21.70
		8	7	19.86	19.73	19.60	0.00	20.50	20.91	20.77	20.91	0.05	21.70
	16QAM	15	0	19.82	19.68	19.54	0.00	20.50	20.82	20.88	20.87	0.05	21.70
		1	0	19.80	19.53	19.82	0.00	20.50	21.12	20.72	20.74	0.05	21.70
		1	8	19.71	19.61	19.82	0.00	20.50	21.15	20.72	20.89	0.05	21.70
		1	14	19.86	19.73	19.94	0.00	20.50	21.25	20.86	20.83	0.05	21.70
		8	0	19.59	19.55	19.50	0.00	20.50	19.85	19.88	19.92	1.05	20.70
		8	4	19.64	19.57	19.50	0.00	20.50	19.95	19.78	19.95	1.05	20.70
	64QAM	8	7	19.66	19.60	19.50	0.00	20.50	19.98	19.80	20.03	1.05	20.70
		15	0	19.59	19.50	19.50	0.00	20.50	19.89	19.89	19.93	1.05	20.70
		1	0	20.05	20.25	20.05	0.00	20.50	20.63	20.60	20.52	1.05	20.70
		1	8	20.08	20.19	20.22	0.00	20.50	20.69	20.66	20.69	1.05	20.70
		1	14	20.14	20.09	20.15	0.00	20.50	20.52	20.67	20.50	1.05	20.70
		8	0	19.31	19.36	19.43	0.80	19.70	19.53	19.68	19.59	2.05	19.70
1.4 MHz	QPSK	8	4	19.41	19.31	19.30	0.80	19.70	19.62	19.62	19.66	2.05	19.70
		8	7	19.39	19.31	19.32	0.80	19.70	19.64	19.63	19.60	2.05	19.70
		15	0	19.27	19.31	19.42	0.80	19.70	19.52	19.69	19.53	2.05	19.70
	16QAM	1	0	17.36	17.32	17.29	2.80	17.70	17.61	17.52	17.63	4.05	17.70
		1	8	17.36	17.40	17.39	2.80	17.70	17.67	17.50	17.69	4.05	17.70
		1	14	17.33	17.33	17.26	2.80	17.70	17.62	17.64	17.66	4.05	17.70
	64QAM	8	0	17.32	17.33	17.27	2.80	17.70	17.64	17.63	17.60	4.05	17.70
		8	4	17.31	17.43	17.42	2.80	17.70	17.67	17.52	17.57	4.05	17.70
		8	7	17.28	17.33	17.35	2.80	17.70	17.67	17.51	17.58	4.05	17.70
	256QAM	15	0	17.41	17.44	17.41	2.80	17.70	17.62	17.52	17.54	4.05	17.70
	QPSK	1	0	19.98	19.73	19.55	0.00	20.50	21.39	21.21	21.04	0.00	21.75
		1	3	20.02	19.88	19.64	0.00	20.50	21.46	21.35	21.14	0.00	21.75
		1	5	19.98	19.89	19.65	0.00	20.50	21.45	21.33	21.13	0.00	21.75
		3	0	19.88	19.75	19.55	0.00	20.50	21.32	21.23	21.05	0.00	21.75
		3	1	19.96	19.81	19.63	0.00	20.50	21.40	21.30	21.11	0.00	21.75
	16QAM	3	3	19.93	19.91	19.67	0.00	20.50	21.40	21.35	21.14	0.00	21.75
		6	0	19.75	19.57	19.50	0.00	20.50	20.74	20.81	20.86	0.05	21.70
		1	0	19.81	19.91	19.50	0.00	20.50	20.82	20.96	20.77	0.05	21.70
		1	3	19.90	20.06	19.52	0.00	20.50	20.93	21.09	20.93	0.05	21.70
		1	5	19.84	20.05	19.51	0.00	20.50	20.94	21.09	20.90	0.05	21.70
		3	0	19.94	19.97	19.83	0.00	20.50	21.53	21.47	21.47	0.05	21.70
	64QAM	3	1	20.01	20.09	19.89	0.00	20.50	21.51	21.58	21.47	0.05	21.70
		3	3	20.03	20.10	19.93	0.00	20.50	21.50	21.46	21.42	0.05	21.70
		6	0	19.95	19.55	19.65	0.00	20.50	19.93	19.94	20.03	1.05	20.70
		1	0	19.99	19.90	19.82	0.00	20.50	20.61	20.63	20.55	1.05	20.70
		1	3	19.80	19.86	19.87	0.00	20.50	20.59	20.51	20.51	1.05	20.70
		1	5	20.00	19.86	19.96	0.00	20.50	20.58	20.61	20.58	1.05	20.70
	256QAM	3	0	19.80	19.88	19.70	0.00	20.50	20.49	20.55	20.47	1.05	20.70
		3	1	19.77	19.85	19.89	0.00	20.50	20.42	20.40	20.59	1.05	20.70
		3	3	19.80	19.81	19.88	0.00	20.50	20.45	20.42	20.51	1.05	20.70
		6	0	19.67	19.54	19.55	0.80	19.70	19.57	19.56	19.64	2.05	19.70
		1	0	17.56	17.61	17.60	2.80	17.70	17.65	17.55	17.64	4.05	17.70
		1	3	17.58	17.62	17.59	2.80	17.70	17.57	17.54	17.52	4.05	17.70
	64QAM	1	5	17.67	17.57	17.62	2.80	17.70	17.68	17.69	17.66	4.05	17.70
		3	0	17.51	17.51	17.61	2.80	17.70	17.55	17.64	17.67	4.05	17.70
		3	1	17.56	17.58	17.63	2.80	17.70	17.63	17.58	17.57	4.05	17.70
		3	3	17.59	17.62	17.53	2.80	17.70	17.65	17.50	17.69	4.05	17.70
		6	0	17.65	17.52	17.51	2.80	17.70	17.56	17.59	17.57	4.05	17.70

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	25.63	25.55	25.64	0.00	25.70	24.87	24.98	25.08	0.00	25.25
		1	25	25.68	25.60	25.69	0.00	25.70	24.90	25.03	25.13	0.00	25.25
		1	49	25.45	25.45	25.52	0.00	25.70	24.81	24.98	24.88	0.00	25.25
		25	0	24.69	24.59	24.52	1.00	24.70	24.02	23.89	23.85	0.55	24.70
		25	12	24.69	24.65	24.57	1.00	24.70	24.07	24.09	24.07	0.55	24.70
		25	25	24.60	24.53	24.22	1.00	24.70	23.90	24.04	23.92	0.55	24.70
	16QAM	50	0	24.60	24.62	24.26	1.00	24.70	23.98	23.91	23.86	0.55	24.70
		1	0	24.44	24.35	24.42	1.00	24.70	23.89	24.05	23.83	0.55	24.70
		1	25	24.40	24.26	24.27	1.00	24.70	23.83	23.97	23.80	0.55	24.70
		1	49	24.36	24.24	24.12	1.00	24.70	23.90	24.06	24.09	0.55	24.70
		25	0	23.37	22.89	23.29	2.00	23.70	23.03	22.97	23.01	1.55	23.70
		25	12	23.23	23.12	23.18	2.00	23.70	22.94	23.06	23.02	1.55	23.70
	64QAM	25	25	22.81	23.29	23.13	2.00	23.70	23.02	22.99	23.09	1.55	23.70
		50	0	22.94	23.04	23.21	2.00	23.70	22.89	22.90	23.02	1.55	23.70
		1	0	22.96	22.89	23.02	2.00	23.70	23.04	22.92	23.05	1.55	23.70
		1	25	23.05	22.97	22.95	2.00	23.70	23.02	22.86	22.86	1.55	23.70
		1	49	23.13	22.94	22.85	2.00	23.70	22.83	23.03	22.88	1.55	23.70
		25	0	22.02	21.96	22.00	3.00	22.70	21.83	22.02	21.93	2.55	22.70
	256QAM	25	12	21.96	22.00	22.14	3.00	22.70	21.85	22.09	21.97	2.55	22.70
		25	25	22.14	22.04	21.95	3.00	22.70	22.04	22.10	21.94	2.55	22.70
		50	0	22.03	22.02	21.96	3.00	22.70	21.85	21.88	21.97	2.55	22.70
		1	0	20.14	19.91	20.02	5.00	20.70	20.01	19.84	19.92	4.50	20.75
		1	25	20.13	20.10	20.10	5.00	20.70	19.81	19.86	19.97	4.50	20.75
		1	49	20.13	20.07	20.09	5.00	20.70	20.00	19.93	20.10	4.50	20.75
5 MHz	QPSK	25	0	20.12	19.87	20.06	5.00	20.70	19.89	20.01	19.86	4.50	20.75
		25	12	20.07	19.87	19.88	5.00	20.70	19.86	19.99	20.09	4.50	20.75
		25	25	19.89	19.88	20.11	5.00	20.70	19.89	20.09	19.95	4.50	20.75
		50	0	20.05	20.04	20.03	5.00	20.70	20.01	19.82	19.84	4.50	20.75
	16QAM	1	0	25.43	25.39	25.34	0.00	25.70	24.97	25.03	25.09	0.00	25.25
		1	12	25.41	25.38	25.32	0.00	25.70	24.81	24.86	25.02	0.00	25.25
		1	24	25.33	25.42	25.23	0.00	25.70	24.87	24.90	25.08	0.00	25.25
		12	0	24.42	24.24	23.93	1.00	24.70	24.01	23.80	23.84	0.55	24.70
		12	7	24.40	24.28	24.00	1.00	24.70	24.04	23.89	23.98	0.55	24.70
		12	13	24.33	24.21	23.89	1.00	24.70	23.87	24.09	24.06	0.55	24.70
	64QAM	25	0	24.37	24.26	23.87	1.00	24.70	24.04	24.07	24.09	0.55	24.70
		1	0	24.39	24.45	24.37	1.00	24.70	23.96	23.89	24.09	0.55	24.70
		1	12	24.44	24.43	24.43	1.00	24.70	24.08	23.84	23.85	0.55	24.70
		1	24	24.43	24.37	24.14	1.00	24.70	23.90	24.03	24.06	0.55	24.70
		12	0	23.09	22.96	23.09	2.00	23.70	23.03	22.84	22.90	1.55	23.70
		12	7	23.37	23.11	23.19	2.00	23.70	23.01	22.93	23.00	1.55	23.70
	256QAM	12	13	23.37	23.21	23.09	2.00	23.70	23.09	22.87	23.07	1.55	23.70
		25	0	23.07	22.99	22.93	2.00	23.70	23.08	22.98	22.85	1.55	23.70
		1	0	22.92	23.07	23.00	2.00	23.70	22.90	22.82	22.82	1.55	23.70
		1	12	22.97	22.99	22.93	2.00	23.70	22.88	22.95	22.86	1.55	23.70
		1	24	22.90	22.94	22.96	2.00	23.70	22.82	22.81	22.89	1.55	23.70
		12	0	21.96	21.98	21.95	3.00	22.70	22.02	21.97	21.85	2.55	22.70
	64QAM	12	7	22.03	22.08	22.11	3.00	22.70	22.03	22.10	21.80	2.55	22.70
		12	13	21.88	22.01	22.12	3.00	22.70	22.10	22.08	21.82	2.55	22.70
		25	0	22.12	22.09	22.14	3.00	22.70	22.09	22.04	22.01	2.55	22.70
	256QAM	1	0	20.07	20.12	20.07	5.00	20.70	20.06	19.82	19.94	4.50	20.75
		1	12	19.87	19.86	19.93	5.00	20.70	20.05	19.85	19.80	4.50	20.75
		1	24	19.90	20.01	19.90	5.00	20.70	19.98	19.91	20.04	4.50	20.75
	256QAM	12	0	20.00	19.97	20.07	5.00	20.70	19.89	20.03	20.05	4.50	20.75
		12	7	19.99	20.04	20.10	5.00	20.70	20.01	19.92	19.91	4.50	20.75
		12	13	19.95	19.98	19.88	5.00	20.70	19.96	20.02	19.91	4.50	20.75
		25	0	19.85	19.85	20.00	5.00	20.70	19.89	19.93	20.06	4.50	20.75

LTE Band 26 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26705	26865	27025	MPR	Tune-up Limit	26705	26865	27025	MPR	Tune-up Limit
				815.5 MHz	831.5 MHz	847.5 MHz			815.5 MHz	831.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	25.42	25.22	25.35	0.00	25.70	24.90	24.91	24.83	0.00	25.25
		1	8	25.34	25.25	25.29	0.00	25.70	25.07	24.93	24.94	0.00	25.25
		1	14	25.31	25.26	25.28	0.00	25.70	25.07	24.85	24.98	0.00	25.25
		8	0	24.37	24.29	24.05	1.00	24.70	24.06	23.88	23.97	0.55	24.70
		8	4	24.40	24.39	24.02	1.00	24.70	24.10	23.93	23.99	0.55	24.70
		8	7	24.36	24.35	23.98	1.00	24.70	23.96	23.92	23.89	0.55	24.70
	16QAM	15	0	24.35	24.33	23.96	1.00	24.70	24.00	24.00	23.95	0.55	24.70
		1	0	24.45	24.23	24.44	1.00	24.70	24.08	23.89	24.05	0.55	24.70
		1	8	24.38	24.30	24.27	1.00	24.70	23.95	23.83	24.06	0.55	24.70
		1	14	24.39	24.31	24.08	1.00	24.70	24.02	24.00	23.99	0.55	24.70
		8	0	23.04	23.11	23.16	2.00	23.70	23.07	22.83	22.90	1.55	23.70
		8	4	23.29	23.25	23.14	2.00	23.70	22.87	22.95	22.81	1.55	23.70
	64QAM	8	7	23.40	23.34	23.11	2.00	23.70	22.87	23.10	23.07	1.55	23.70
		15	0	23.16	23.17	23.06	2.00	23.70	22.92	22.99	23.00	1.55	23.70
		1	0	22.89	22.95	23.09	2.00	23.70	23.04	22.85	23.03	1.55	23.70
		1	8	23.13	22.90	22.98	2.00	23.70	23.08	23.04	23.00	1.55	23.70
		1	14	23.13	22.88	23.05	2.00	23.70	22.90	22.96	22.95	1.55	23.70
		8	0	21.90	21.88	22.13	3.00	22.70	21.83	21.94	21.95	2.55	22.70
	256QAM	8	4	22.10	21.87	21.97	3.00	22.70	22.00	21.83	21.81	2.55	22.70
		8	7	21.92	22.03	22.11	3.00	22.70	21.99	22.08	21.86	2.55	22.70
		15	0	21.92	21.86	22.03	3.00	22.70	22.06	22.08	21.99	2.55	22.70
		1	0	20.04	20.03	19.98	5.00	20.70	20.03	19.90	20.06	4.50	20.75
		1	8	19.92	19.89	19.95	5.00	20.70	20.02	19.81	19.86	4.50	20.75
		1	14	20.02	19.94	20.09	5.00	20.70	19.89	19.95	20.07	4.50	20.75
		8	0	19.97	19.86	20.05	5.00	20.70	20.09	19.81	20.09	4.50	20.75
		8	4	20.11	19.98	20.11	5.00	20.70	19.94	20.03	19.96	4.50	20.75
		8	7	20.11	19.93	19.95	5.00	20.70	19.88	20.05	19.93	4.50	20.75
		15	0	19.88	19.90	19.94	5.00	20.70	20.02	19.95	19.84	4.50	20.75
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	24.94	24.97	24.90	0.00	25.70	25.06	24.95	25.06	0.00	25.25
		1	3	25.04	24.94	24.91	0.00	25.70	24.96	24.87	25.03	0.00	25.25
		1	5	24.92	25.01	25.08	0.00	25.70	24.81	25.02	25.09	0.00	25.25
		3	0	24.88	25.00	24.98	0.00	25.70	24.98	25.06	25.00	0.00	25.25
		3	1	24.96	24.96	25.11	0.00	25.70	24.97	24.90	25.09	0.00	25.25
		3	3	24.87	24.97	24.87	0.00	25.70	25.00	24.90	24.89	0.00	25.25
	16QAM	6	0	23.92	23.97	24.01	1.00	24.70	23.96	23.93	23.80	0.55	24.70
		1	0	24.08	24.10	24.02	1.00	24.70	23.85	24.09	23.93	0.55	24.70
		1	3	24.06	24.10	24.02	1.00	24.70	23.97	24.06	23.97	0.55	24.70
		1	5	24.12	24.10	23.88	1.00	24.70	24.10	24.00	24.04	0.55	24.70
		3	0	23.87	23.93	24.15	1.00	24.70	24.00	23.95	24.00	0.55	24.70
		3	1	23.99	23.91	24.07	1.00	24.70	23.97	23.93	23.85	0.55	24.70
	64QAM	3	3	24.01	24.03	23.94	1.00	24.70	23.97	23.82	23.99	0.55	24.70
		6	0	23.11	22.89	23.14	2.00	23.70	23.09	23.00	22.85	1.55	23.70
		1	0	22.85	22.95	23.03	2.00	23.70	23.00	23.01	22.97	1.55	23.70
		1	3	23.08	23.03	23.04	2.00	23.70	23.05	22.99	23.09	1.55	23.70
		1	5	22.99	23.12	22.96	2.00	23.70	22.98	23.04	22.98	1.55	23.70
		3	0	23.15	23.09	22.88	2.00	23.70	22.95	22.95	22.84	1.55	23.70
	256QAM	3	1	22.91	22.88	22.86	2.00	23.70	22.86	23.01	23.09	1.55	23.70
		3	3	22.95	22.96	23.06	2.00	23.70	23.08	22.87	22.96	1.55	23.70
		6	0	21.98	22.04	21.87	3.00	22.70	21.90	21.85	21.85	2.55	22.70
		1	0	20.10	19.90	19.87	5.00	20.70	19.84	19.93	20.04	4.50	20.75
		1	3	19.98	20.00	19.95	5.00	20.70	20.09	19.84	20.09	4.50	20.75
		1	5	20.00	20.14	20.03	5.00	20.70	19.81	19.86	19.98	4.50	20.75
		3	0	20.00	20.04	19.96	5.00	20.70	19.92	20.00	20.04	4.50	20.75
		3	1	19.85	19.94	19.86	5.00	20.70	20.03	20.00	20.04	4.50	20.75
		3	3	20.10	20.10	20.05	5.00	20.70	19.83	20.09	20.09	4.50	20.75
		6	0	20.00	20.03	20.00	5.00	20.70	20.04	20.04	20.10	4.50	20.75

LTE Band 26 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26740.00	26865.00	26990.00	MPR	Tune-up Limit	26740.00	26865.00	26990.00	MPR	Tune-up Limit
				819 MHz	831.5 MHz	844 MHz			819 MHz	831.5 MHz	844 MHz		
10 MHz	QPSK	1	0	24.21	24.31	24.38	0.00	24.50	24.21	24.31	24.38	0.00	24.50
		1	25	24.30	24.46	24.26	0.00	24.50	24.30	24.46	24.26	0.00	24.50
		1	49	24.37	24.44	24.31	0.00	24.50	24.37	24.44	24.31	0.00	24.50
		25	0	23.29	23.23	23.25	1.00	23.50	23.29	23.23	23.25	1.00	23.50
		25	12	23.23	23.36	23.29	1.00	23.50	23.23	23.36	23.29	1.00	23.50
		25	25	23.29	23.34	23.42	1.00	23.50	23.29	23.34	23.42	1.00	23.50
	16QAM	50	0	23.45	23.47	23.37	1.00	23.50	23.45	23.47	23.37	1.00	23.50
		1	0	23.11	23.10	23.08	1.00	23.50	23.11	23.10	23.08	1.00	23.50
		1	25	23.28	23.21	23.34	1.00	23.50	23.28	23.21	23.34	1.00	23.50
		1	49	23.24	23.25	23.08	1.00	23.50	23.24	23.25	23.08	1.00	23.50
		25	0	22.13	22.10	22.19	2.00	22.50	22.13	22.10	22.19	2.00	22.50
		25	12	22.31	22.18	22.19	2.00	22.50	22.31	22.18	22.19	2.00	22.50
	64QAM	25	25	22.21	22.22	22.26	2.00	22.50	22.21	22.22	22.26	2.00	22.50
		50	0	22.21	22.29	22.15	2.00	22.50	22.21	22.29	22.15	2.00	22.50
		1	0	22.11	22.30	22.08	2.00	22.50	22.11	22.30	22.08	2.00	22.50
		1	25	22.06	22.29	22.19	2.00	22.50	22.06	22.29	22.19	2.00	22.50
		1	49	22.16	22.15	22.34	2.00	22.50	22.16	22.15	22.34	2.00	22.50
		25	0	21.32	21.12	21.10	3.00	21.50	21.32	21.12	21.10	3.00	21.50
	256QAM	25	12	21.27	21.31	21.29	3.00	21.50	21.27	21.31	21.29	3.00	21.50
		25	25	21.07	21.35	21.28	3.00	21.50	21.07	21.35	21.28	3.00	21.50
		50	0	21.21	21.29	21.34	3.00	21.50	21.21	21.29	21.34	3.00	21.50
		1	0	19.31	19.27	19.11	5.00	19.50	19.31	19.27	19.11	5.00	19.50
		1	25	19.28	19.08	19.08	5.00	19.50	19.28	19.08	19.08	5.00	19.50
		1	49	19.06	19.08	19.11	5.00	19.50	19.06	19.08	19.11	5.00	19.50
		25	0	19.25	19.33	19.06	5.00	19.50	19.25	19.33	19.06	5.00	19.50
		25	12	19.26	19.18	19.32	5.00	19.50	19.26	19.18	19.32	5.00	19.50
		25	25	19.27	19.18	19.10	5.00	19.50	19.27	19.18	19.10	5.00	19.50
		50	0	19.31	19.05	19.14	5.00	19.50	19.31	19.05	19.14	5.00	19.50
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	24.22	24.03	24.03	0.00	24.50	24.22	24.03	24.03	0.00	24.50
		1	12	24.23	24.14	24.27	0.00	24.50	24.23	24.14	24.27	0.00	24.50
		1	24	24.11	24.01	24.09	0.00	24.50	24.11	24.01	24.09	0.00	24.50
		12	0	23.01	23.25	23.16	1.00	23.50	23.01	23.25	23.16	1.00	23.50
		12	7	23.12	23.06	23.06	1.00	23.50	23.12	23.06	23.06	1.00	23.50
		12	13	23.18	23.17	23.24	1.00	23.50	23.18	23.17	23.24	1.00	23.50
	16QAM	25	0	23.30	23.14	23.25	1.00	23.50	23.30	23.14	23.25	1.00	23.50
		1	0	23.24	23.28	23.17	1.00	23.50	23.24	23.28	23.17	1.00	23.50
		1	12	23.26	23.03	23.03	1.00	23.50	23.26	23.03	23.03	1.00	23.50
		1	24	23.29	23.04	23.27	1.00	23.50	23.29	23.04	23.27	1.00	23.50
		12	0	22.08	22.04	22.03	2.00	22.50	22.08	22.04	22.03	2.00	22.50
		12	7	22.16	22.10	22.12	2.00	22.50	22.16	22.10	22.12	2.00	22.50
	64QAM	12	13	22.27	22.03	22.06	2.00	22.50	22.27	22.03	22.06	2.00	22.50
		25	0	22.14	22.16	22.01	2.00	22.50	22.14	22.16	22.01	2.00	22.50
		1	0	22.13	22.27	22.24	2.00	22.50	22.13	22.27	22.24	2.00	22.50
		1	12	22.14	22.30	22.07	2.00	22.50	22.14	22.30	22.07	2.00	22.50
		1	24	22.28	22.08	22.18	2.00	22.50	22.28	22.08	22.18	2.00	22.50
		12	0	21.28	21.29	21.12	3.00	21.50	21.28	21.29	21.12	3.00	21.50
	256QAM	12	7	21.04	21.13	21.01	3.00	21.50	21.04	21.13	21.01	3.00	21.50
		12	13	21.16	21.03	21.20	3.00	21.50	21.16	21.03	21.20	3.00	21.50
		25	0	21.00	21.02	21.20	3.00	21.50	21.00	21.02	21.20	3.00	21.50
		1	0	19.01	19.11	19.05	5.00	19.50	19.01	19.11	19.05	5.00	19.50
		1	12	19.14	19.07	19.19	5.00	19.50	19.14	19.07	19.19	5.00	19.50
		1	24	19.24	19.17	19.30	5.00	19.50	19.24	19.17	19.30	5.00	19.50
		12	0	19.17	19.14	19.21	5.00	19.50	19.17	19.14	19.21	5.00	19.50
		12	7	19.01	19.04	19.15	5.00	19.50	19.01	19.04	19.15	5.00	19.50
		12	13	19.00	19.08	19.07	5.00	19.50	19.00	19.08	19.07	5.00	19.50
		25	0	19.19	19.07	19.28	5.00	19.50	19.19	19.07	19.28	5.00	19.50

LTE Band 26 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26705	26865	27025	MPR	Tune-up Limit	26705	26865	27025	MPR	Tune-up Limit
				815.5 MHz	831.5 MHz	847.5 MHz			815.5 MHz	831.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	24.26	24.18	24.10	0.00	24.50	24.26	24.18	24.10	0.00	24.50
		1	8	24.05	24.05	24.29	0.00	24.50	24.05	24.05	24.29	0.00	24.50
		1	14	24.13	24.23	24.19	0.00	24.50	24.13	24.23	24.19	0.00	24.50
		8	0	23.25	23.25	23.06	1.00	23.50	23.25	23.25	23.06	1.00	23.50
		8	4	23.12	23.04	23.20	1.00	23.50	23.12	23.04	23.20	1.00	23.50
		8	7	23.16	23.14	23.22	1.00	23.50	23.16	23.14	23.22	1.00	23.50
	16QAM	15	0	23.03	23.19	23.29	1.00	23.50	23.03	23.19	23.29	1.00	23.50
		1	0	23.07	23.14	23.19	1.00	23.50	23.07	23.14	23.19	1.00	23.50
		1	8	23.18	23.25	23.20	1.00	23.50	23.18	23.25	23.20	1.00	23.50
		1	14	23.03	23.03	23.28	1.00	23.50	23.03	23.03	23.28	1.00	23.50
		8	0	22.00	22.11	22.20	2.00	22.50	22.00	22.11	22.20	2.00	22.50
		8	4	22.29	22.25	22.14	2.00	22.50	22.29	22.25	22.14	2.00	22.50
	64QAM	8	7	22.05	22.09	22.02	2.00	22.50	22.05	22.09	22.02	2.00	22.50
		15	0	22.14	22.15	22.06	2.00	22.50	22.14	22.15	22.06	2.00	22.50
		1	0	22.18	22.00	22.09	2.00	22.50	22.18	22.00	22.09	2.00	22.50
		1	8	22.24	22.09	22.10	2.00	22.50	22.24	22.09	22.10	2.00	22.50
		1	14	22.06	22.12	22.21	2.00	22.50	22.06	22.12	22.21	2.00	22.50
		8	0	21.29	21.06	21.01	3.00	21.50	21.29	21.06	21.01	3.00	21.50
	256QAM	8	4	21.13	21.24	21.22	3.00	21.50	21.13	21.24	21.22	3.00	21.50
		8	7	21.25	21.28	21.29	3.00	21.50	21.25	21.28	21.29	3.00	21.50
		15	0	21.11	21.16	21.30	3.00	21.50	21.11	21.16	21.30	3.00	21.50
		1	0	19.16	19.10	19.14	5.00	19.50	19.16	19.10	19.14	5.00	19.50
		1	8	19.09	19.26	19.09	5.00	19.50	19.09	19.26	19.09	5.00	19.50
		1	14	19.08	19.23	19.27	5.00	19.50	19.08	19.23	19.27	5.00	19.50
		8	0	19.09	19.02	19.16	5.00	19.50	19.09	19.02	19.16	5.00	19.50
		8	4	19.14	19.23	19.00	5.00	19.50	19.14	19.23	19.00	5.00	19.50
		8	7	19.27	19.03	19.15	5.00	19.50	19.27	19.03	19.15	5.00	19.50
		15	0	19.05	19.29	19.23	5.00	19.50	19.05	19.29	19.23	5.00	19.50
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	24.20	24.18	24.02	0.00	24.50	24.20	24.18	24.02	0.00	24.50
		1	3	24.16	24.24	24.08	0.00	24.50	24.16	24.24	24.08	0.00	24.50
		1	5	24.15	24.28	24.20	0.00	24.50	24.15	24.28	24.20	0.00	24.50
		3	0	24.06	24.06	24.19	0.00	24.50	24.06	24.06	24.19	0.00	24.50
		3	1	23.97	23.95	24.09	0.00	24.50	23.97	23.95	24.09	0.00	24.50
		3	3	24.08	23.95	24.11	0.00	24.50	24.08	23.95	24.11	0.00	24.50
	16QAM	6	0	23.20	23.05	23.25	1.00	23.50	23.20	23.05	23.25	1.00	23.50
		1	0	23.18	23.11	23.02	1.00	23.50	23.18	23.11	23.02	1.00	23.50
		1	3	23.01	23.09	23.27	1.00	23.50	23.01	23.09	23.27	1.00	23.50
		1	5	23.07	23.07	23.19	1.00	23.50	23.07	23.07	23.19	1.00	23.50
		3	0	23.19	22.98	23.08	1.00	23.50	23.19	22.98	23.08	1.00	23.50
		3	1	23.12	22.97	23.18	1.00	23.50	23.12	22.97	23.18	1.00	23.50
	64QAM	3	3	22.96	23.04	22.94	1.00	23.50	22.96	23.04	22.94	1.00	23.50
		6	0	22.14	22.20	22.22	2.00	22.50	22.14	22.20	22.22	2.00	22.50
		1	0	22.21	22.08	22.03	2.00	22.50	22.21	22.08	22.03	2.00	22.50
		1	3	22.17	22.17	22.26	2.00	22.50	22.17	22.17	22.26	2.00	22.50
		1	5	22.03	22.10	22.12	2.00	22.50	22.03	22.10	22.12	2.00	22.50
		3	0	22.17	22.17	22.18	2.00	22.50	22.17	22.17	22.18	2.00	22.50
	256QAM	3	1	22.13	22.20	22.10	2.00	22.50	22.13	22.20	22.10	2.00	22.50
		3	3	21.98	22.02	22.17	2.00	22.50	21.98	22.02	22.17	2.00	22.50
		6	0	21.26	21.07	21.04	3.00	21.50	21.26	21.07	21.04	3.00	21.50
		1	0	19.04	19.08	19.08	5.00	19.50	19.04	19.08	19.08	5.00	19.50
		1	3	19.03	19.19	19.25	5.00	19.50	19.03	19.19	19.25	5.00	19.50
		1	5	19.23	19.10	19.19	5.00	19.50	19.23	19.10	19.19	5.00	19.50
		3	0	19.25	19.16	19.06	5.00	19.50	19.25	19.16	19.06	5.00	19.50
		3	1	19.03	19.14	19.10	5.00	19.50	19.03	19.14	19.10	5.00	19.50
		3	3	19.02	19.20	19.11	5.00	19.50	19.02	19.20	19.11	5.00	19.50
		6	0	19.23	19.24	19.23	5.00	19.50	19.23	19.24	19.23	5.00	19.50

LTE Band 30 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
				27710 2310 MHz		MPR	Tune-up Limit	27710 2310 MHz		MPR	Tune-up Limit
10 MHz	QPSK	1	0	24.91		0.00	25.70	21.60		0.00	22.25
		1	25	24.86		0.00	25.70	21.82		0.00	22.25
		1	49	24.82		0.00	25.70	21.51		0.00	22.25
		25	0	23.92		1.00	24.70	21.64		0.00	22.25
		25	12	23.94		1.00	24.70	21.86		0.00	22.25
		25	25	23.93		1.00	24.70	21.65		0.00	22.25
	16QAM	50	0	23.94		1.00	24.70	21.65		0.00	22.25
		1	0	23.93		1.00	24.70	21.81		0.00	22.25
		1	25	23.86		1.00	24.70	21.72		0.00	22.25
		1	49	23.82		1.00	24.70	21.70		0.00	22.25
		25	0	23.00		2.00	23.70	21.46		0.00	22.25
		25	12	22.98		2.00	23.70	21.48		0.00	22.25
	64QAM	25	25	22.98		2.00	23.70	21.46		0.00	22.25
		50	0	22.97		2.00	23.70	21.46		0.00	22.25
		1	0	22.91		2.00	23.70	21.46		0.00	22.25
		1	25	22.91		2.00	23.70	21.51		0.00	22.25
		1	49	22.87		2.00	23.70	21.55		0.00	22.25
		25	0	22.03		3.00	22.70	21.45		0.00	22.25
	256QAM	25	12	22.00		3.00	22.70	21.72		0.00	22.25
		25	25	21.95		3.00	22.70	21.63		0.00	22.25
		50	0	22.05		3.00	22.70	21.63		0.00	22.25
		1	0	20.00		5.00	20.70	20.00		1.55	20.70
		1	25	20.00		5.00	20.70	19.99		1.55	20.70
		1	49	19.82		5.00	20.70	20.00		1.55	20.70
		25	0	19.89		5.00	20.70	20.01		1.55	20.70
		25	12	19.84		5.00	20.70	20.07		1.55	20.70
5 MHz	QPSK	25	25	19.95		5.00	20.70	20.00		1.55	20.70
		50	0	20.09		5.00	20.70	20.17		1.55	20.70
	16QAM	1	0	24.89		0.00	25.70	21.32		0.00	22.25
		1	12	24.90		0.00	25.70	21.33		0.00	22.25
		1	24	24.93		0.00	25.70	21.38		0.00	22.25
		12	0	23.92		1.00	24.70	21.38		0.00	22.25
		12	7	23.97		1.00	24.70	21.40		0.00	22.25
		12	13	23.95		1.00	24.70	21.41		0.00	22.25
	64QAM	25	0	23.94		1.00	24.70	21.39		0.00	22.25
		1	0	24.04		1.00	24.70	21.52		0.00	22.25
		1	12	24.07		1.00	24.70	21.44		0.00	22.25
		1	24	24.14		1.00	24.70	21.61		0.00	22.25
		12	0	23.00		2.00	23.70	21.46		0.00	22.25
		12	7	23.02		2.00	23.70	21.50		0.00	22.25
		12	13	23.01		2.00	23.70	21.46		0.00	22.25
		25	0	22.89		2.00	23.70	21.40		0.00	22.25
	256QAM	1	0	23.09		2.00	23.70	21.67		0.00	22.25
		1	12	22.98		2.00	23.70	21.46		0.00	22.25
		1	24	22.80		2.00	23.70	21.52		0.00	22.25
		12	0	21.84		3.00	22.70	21.69		0.00	22.25
		12	7	21.99		3.00	22.70	21.50		0.00	22.25
		12	13	21.99		3.00	22.70	21.75		0.00	22.25
		25	0	22.06		3.00	22.70	21.47		0.00	22.25
		1	0	19.98		5.00	20.70	20.18		1.55	20.70
	QPSK	1	12	19.82		5.00	20.70	20.16		1.55	20.70
		1	24	19.81		5.00	20.70	20.24		1.55	20.70
		12	0	19.84		5.00	20.70	19.96		1.55	20.70
		12	7	19.90		5.00	20.70	20.07		1.55	20.70
		12	13	19.99		5.00	20.70	20.25		1.55	20.70
		25	0	20.03		5.00	20.70	20.24		1.55	20.70

LTE Band 30 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
				27710 2310 MHz		MPR	Tune-up Limit	27710 2310 MHz		MPR	Tune-up Limit
10 MHz	QPSK	1	0	18.40		0.00	18.50	19.36		0.00	19.50
		1	25	18.41		0.00	18.50	19.47		0.00	19.50
		1	49	18.35		0.00	18.50	19.47		0.00	19.50
		25	0	18.31		0.00	18.50	19.41		0.00	19.50
		25	12	18.49		0.00	18.50	19.47		0.00	19.50
		25	25	18.45		0.00	18.50	19.22		0.00	19.50
	16QAM	50	0	18.25		0.00	18.50	19.23		0.00	19.50
		1	0	18.38		0.00	18.50	19.21		0.00	19.50
		1	25	18.44		0.00	18.50	19.26		0.00	19.50
		1	49	18.25		0.00	18.50	19.31		0.00	19.50
		25	0	18.24		0.00	18.50	19.27		0.00	19.50
		25	12	18.43		0.00	18.50	19.47		0.00	19.50
	64QAM	25	25	18.38		0.00	18.50	19.28		0.00	19.50
		50	0	18.26		0.00	18.50	19.47		0.00	19.50
		1	0	18.32		0.00	18.50	19.26		0.00	19.50
		1	25	18.27		0.00	18.50	19.24		0.00	19.50
		1	49	18.27		0.00	18.50	19.44		0.00	19.50
		25	0	18.35		0.00	18.50	19.35		0.00	19.50
	256QAM	25	12	18.45		0.00	18.50	19.36		0.00	19.50
		25	25	18.24		0.00	18.50	19.49		0.00	19.50
		50	0	18.33		0.00	18.50	19.50		0.00	19.50
		1	0	17.72		0.70	17.80	17.73		1.70	17.80
		1	25	17.54		0.70	17.80	17.64		1.70	17.80
		1	49	17.70		0.70	17.80	17.58		1.70	17.80
5 MHz	QPSK	25	0	17.65		0.70	17.80	17.79		1.70	17.80
		25	12	17.56		0.70	17.80	17.53		1.70	17.80
		25	25	17.69		0.70	17.80	17.80		1.70	17.80
		50	0	17.75		0.70	17.80	17.64		1.70	17.80
	16QAM	1	0	18.40		0.00	18.50	19.25		0.00	19.50
		1	12	18.44		0.00	18.50	19.39		0.00	19.50
		1	24	18.21		0.00	18.50	19.39		0.00	19.50
		12	0	18.27		0.00	18.50	19.38		0.00	19.50
		12	7	18.40		0.00	18.50	19.40		0.00	19.50
		12	13	18.46		0.00	18.50	19.23		0.00	19.50
	64QAM	25	0	18.44		0.00	18.50	19.44		0.00	19.50
		1	0	18.42		0.00	18.50	19.50		0.00	19.50
		1	12	18.22		0.00	18.50	19.27		0.00	19.50
		1	24	18.42		0.00	18.50	19.38		0.00	19.50
		12	0	18.37		0.00	18.50	19.32		0.00	19.50
		12	7	18.25		0.00	18.50	19.37		0.00	19.50
	256QAM	12	13	18.43		0.00	18.50	19.38		0.00	19.50
		25	0	18.47		0.00	18.50	19.26		0.00	19.50
		1	0	18.23		0.00	18.50	19.28		0.00	19.50
		1	12	18.25		0.00	18.50	19.42		0.00	19.50
		1	24	18.26		0.00	18.50	19.20		0.00	19.50
		12	0	18.50		0.00	18.50	19.44		0.00	19.50
5 MHz	64QAM	12	7	18.22		0.00	18.50	19.25		0.00	19.50
		12	13	18.39		0.00	18.50	19.26		0.00	19.50
		25	0	18.29		0.00	18.50	19.42		0.00	19.50
	256QAM	1	0	17.65		0.70	17.80	17.57		1.70	17.80
		1	12	17.73		0.70	17.80	17.52		1.70	17.80
		1	24	17.62		0.70	17.80	17.56		1.70	17.80
	256QAM	12	0	17.63		0.70	17.80	17.78		1.70	17.80
		12	7	17.75		0.70	17.80	17.58		1.70	17.80
		12	13	17.58		0.70	17.80	17.58		1.70	17.80
		25	0	17.65		0.70	17.80	17.80		1.70	17.80

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	23.76		0.00	24.50	20.08		0.00	20.75
		1	25	24.00		0.00	24.50	20.52		0.00	20.75
		1	49	23.75		0.00	24.50	20.09		0.00	20.75
		25	0	23.09		0.80	23.70	20.10		0.00	20.75
		25	12	23.60		0.80	23.70	20.56		0.00	20.75
		25	25	23.11		0.80	23.70	20.12		0.00	20.75
	16QAM	50	0	23.62		0.80	23.70	20.54		0.00	20.75
		1	0	23.48		0.80	23.70	20.47		0.00	20.75
		1	25	23.44		0.80	23.70	20.45		0.00	20.75
		1	49	23.45		0.80	23.70	20.46		0.00	20.75
		25	0	22.16		1.80	22.70	20.15		0.00	20.75
		25	12	22.19		1.80	22.70	20.19		0.00	20.75
	64QAM	25	25	22.17		1.80	22.70	20.16		0.00	20.75
		50	0	22.18		1.80	22.70	20.16		0.00	20.75
		1	0	21.95		1.80	22.70	19.92		0.00	20.75
		1	25	21.96		1.80	22.70	20.14		0.00	20.75
		1	49	21.95		1.80	22.70	20.19		0.00	20.75
		25	0	20.91		2.80	21.70	20.13		0.00	20.75
	256QAM	25	12	21.19		2.80	21.70	19.91		0.00	20.75
		25	25	20.94		2.80	21.70	19.96		0.00	20.75
		50	0	21.06		2.80	21.70	19.95		0.00	20.75
		1	0	18.95		4.80	19.70	18.97		1.05	19.70
		1	25	19.19		4.80	19.70	19.11		1.05	19.70
		1	49	19.17		4.80	19.70	19.11		1.05	19.70
5 MHz	QPSK	25	0	18.90		4.80	19.70	18.89		1.05	19.70
		25	12	19.11		4.80	19.70	18.91		1.05	19.70
		25	25	19.19		4.80	19.70	18.91		1.05	19.70
		50	0	18.95		4.80	19.70	19.10		1.05	19.70
	16QAM	1	0	23.80		0.00	24.50	20.10		0.00	20.75
		1	12	23.80		0.00	24.50	20.14		0.00	20.75
		1	24	23.91		0.00	24.50	20.21		0.00	20.75
		12	0	23.16		0.80	23.70	20.15		0.00	20.75
		12	7	23.21		0.80	23.70	20.21		0.00	20.75
		12	13	23.19		0.80	23.70	20.20		0.00	20.75
	64QAM	25	0	23.17		0.80	23.70	20.15		0.00	20.75
		1	0	23.27		0.80	23.70	20.29		0.00	20.75
		1	12	23.28		0.80	23.70	20.30		0.00	20.75
		1	24	23.35		0.80	23.70	20.42		0.00	20.75
		12	0	22.20		1.80	22.70	20.22		0.00	20.75
		12	7	22.27		1.80	22.70	20.28		0.00	20.75
	256QAM	12	13	22.24		1.80	22.70	20.25		0.00	20.75
		25	0	22.09		1.80	22.70	20.15		0.00	20.75
		1	0	21.99		1.80	22.70	20.19		0.00	20.75
		1	12	22.12		1.80	22.70	20.07		0.00	20.75
		1	24	22.06		1.80	22.70	19.93		0.00	20.75
		12	0	20.95		2.80	21.70	20.11		0.00	20.75
	QPSK	12	7	21.02		2.80	21.70	20.15		0.00	20.75
		12	13	21.03		2.80	21.70	20.03		0.00	20.75
		25	0	21.06		2.80	21.70	20.06		0.00	20.75
	16QAM	1	0	19.09		4.80	19.70	18.99		1.05	19.70
		1	12	19.04		4.80	19.70	18.96		1.05	19.70
		1	24	19.12		4.80	19.70	18.88		1.05	19.70
	64QAM	12	0	19.13		4.80	19.70	18.96		1.05	19.70
		12	7	18.94		4.80	19.70	18.99		1.05	19.70
		12	13	18.96		4.80	19.70	19.05		1.05	19.70
		25	0	18.94		4.80	19.70	18.89		1.05	19.70

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	20.71		0.00	20.75	20.91		0.00	21.25
		1	25	20.74		0.00	20.75	20.67		0.00	21.25
		1	49	20.64		0.00	20.75	20.90		0.00	21.25
		25	0	20.61		0.00	20.75	20.78		0.05	21.20
		25	12	20.67		0.00	20.75	20.81		0.05	21.20
		25	25	20.61		0.00	20.75	20.87		0.05	21.20
	16QAM	50	0	20.64		0.00	20.75	20.83		0.05	21.20
		1	0	20.60		0.00	20.75	20.67		0.05	21.20
		1	25	20.53		0.00	20.75	20.74		0.05	21.20
		1	49	20.54		0.00	20.75	20.65		0.05	21.20
		25	0	19.92		0.55	20.20	19.94		1.05	20.20
		25	12	19.97		0.55	20.20	19.95		1.05	20.20
	64QAM	25	25	19.86		0.55	20.20	19.85		1.05	20.20
		50	0	20.02		0.55	20.20	19.88		1.05	20.20
		1	0	20.02		0.55	20.20	19.89		1.05	20.20
		1	25	20.02		0.55	20.20	19.76		1.05	20.20
		1	49	19.88		0.55	20.20	19.83		1.05	20.20
		25	0	18.89		1.55	19.20	19.16		2.05	19.20
5 MHz	QPSK	25	12	19.04		1.55	19.20	19.12		2.05	19.20
		25	25	18.89		1.55	19.20	19.15		2.05	19.20
		50	0	19.03		1.55	19.20	19.06		2.05	19.20
	16QAM	1	0	16.94		3.55	17.20	17.07		4.05	17.20
		1	25	17.00		3.55	17.20	17.12		4.05	17.20
		1	49	17.02		3.55	17.20	17.13		4.05	17.20
		25	0	17.02		3.55	17.20	17.09		4.05	17.20
		25	12	17.01		3.55	17.20	17.03		4.05	17.20
		25	25	16.90		3.55	17.20	17.07		4.05	17.20
	64QAM	50	0	16.90		3.55	17.20	17.00		4.05	17.20
		1	0	20.54		0.00	20.75	20.91		0.00	21.25
		1	12	20.57		0.00	20.75	20.85		0.00	21.25
		1	24	20.48		0.00	20.75	20.76		0.00	21.25
		12	0	20.59		0.00	20.75	20.81		0.05	21.20
		12	7	20.58		0.00	20.75	20.85		0.05	21.20
5 MHz	QPSK	12	13	20.42		0.00	20.75	20.77		0.05	21.20
		25	0	20.40		0.00	20.75	20.80		0.05	21.20
	16QAM	1	0	20.57		0.00	20.75	20.82		0.05	21.20
		1	12	20.42		0.00	20.75	20.81		0.05	21.20
		1	24	20.46		0.00	20.75	20.74		0.05	21.20
		12	0	19.88		0.55	20.20	19.77		1.05	20.20
5 MHz	16QAM	12	7	19.89		0.55	20.20	19.81		1.05	20.20
		12	13	20.04		0.55	20.20	19.75		1.05	20.20
		25	0	19.92		0.55	20.20	19.83		1.05	20.20
	64QAM	1	0	19.85		0.55	20.20	19.89		1.05	20.20
		1	12	19.87		0.55	20.20	19.87		1.05	20.20
		1	24	20.02		0.55	20.20	19.79		1.05	20.20
5 MHz	64QAM	12	0	18.91		1.55	19.20	18.85		2.05	19.20
		12	7	19.02		1.55	19.20	18.71		2.05	19.20
		12	13	19.02		1.55	19.20	18.86		2.05	19.20
		25	0	19.00		1.55	19.20	18.76		2.05	19.20
	256QAM	1	0	16.88		3.55	17.20	16.82		4.05	17.20
		1	12	16.86		3.55	17.20	16.84		4.05	17.20
		1	24	16.89		3.55	17.20	16.72		4.05	17.20
		12	0	17.03		3.55	17.20	16.88		4.05	17.20
		12	7	16.91		3.55	17.20	16.77		4.05	17.20
		12	13	16.87		3.55	17.20	16.75		4.05	17.20
	256QAM	25	0	17.03		3.55	17.20	16.79		4.05	17.20

LTE Band 41 Power Class 3 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)								Power Mode B (dBm)							
				39750	40185	40620	41055	41490	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	25.10	24.88	25.05	24.86	24.81	0.00	25.70	21.98	21.94	22.00	21.84	21.82	0.00	22.50		
		1	49	25.10	24.91	25.10	24.91	24.86	0.00	25.70	22.00	21.99	22.30	22.26	21.95	0.00	22.50		
		1	99	24.99	24.86	24.89	24.71	24.76	0.00	25.70	21.92	21.85	21.90	21.71	21.74	0.00	22.50		
		50	0	24.19	24.06	24.02	23.90	23.87	1.00	24.70	22.10	22.06	21.99	21.88	21.84	0.00	22.50		
		50	24	24.10	24.11	24.07	23.90	23.92	1.00	24.70	22.33	22.23	22.46	22.24	22.04	0.00	22.50		
		50	50	24.17	24.03	23.98	23.84	23.83	1.00	24.70	22.08	22.01	21.94	21.81	21.80	0.00	22.50		
		100	0	24.19	24.06	23.99	23.89	23.86	1.00	24.70	22.12	22.02	22.42	21.87	21.83	0.00	22.50		
		1	0	24.25	23.91	23.88	24.00	23.75	1.00	24.70	22.05	22.10	21.84	21.88	22.00	0.00	22.50		
	16QAM	1	49	24.16	23.88	23.79	23.86	23.78	1.00	24.70	21.97	22.06	21.74	21.72	21.85	0.00	22.50		
		1	99	24.15	23.81	23.76	23.87	23.74	1.00	24.70	21.95	22.00	21.76	21.71	21.93	0.00	22.50		
		50	0	23.21	23.04	23.06	22.94	22.83	2.00	23.70	22.08	22.08	22.01	21.86	21.90	0.00	22.50		
		50	24	23.21	23.02	23.00	22.93	22.84	2.00	23.70	22.10	22.08	21.98	21.85	21.89	0.00	22.50		
		50	50	23.18	22.99	22.96	22.90	22.82	2.00	23.70	22.05	22.05	21.94	21.80	21.86	0.00	22.50		
		100	0	23.17	23.05	23.01	22.87	22.84	2.00	23.70	22.11	22.07	21.93	21.86	21.85	0.00	22.50		
		1	0	22.89	22.91	22.76	22.90	22.95	2.00	23.70	22.17	22.11	22.15	22.12	22.15	0.00	22.50		
		1	49	22.74	22.92	22.84	22.94	22.80	2.00	23.70	22.13	22.10	22.17	22.30	22.09	0.00	22.50		
	64QAM	1	99	22.91	22.78	22.92	22.74	22.79	2.00	23.70	22.16	22.09	22.24	22.09	22.07	0.00	22.50		
		50	0	21.79	21.88	21.82	21.93	21.85	3.00	22.70	22.25	22.27	22.02	22.16	22.25	0.00	22.50		
		50	24	21.81	21.93	21.73	21.80	21.85	3.00	22.70	22.21	22.18	22.17	22.09	22.20	0.00	22.50		
		50	50	21.77	21.88	21.91	21.77	21.93	3.00	22.70	22.01	22.07	22.02	22.18	22.08	0.00	22.50		
		100	0	21.97	21.75	21.97	21.79	21.83	3.00	22.70	22.29	22.17	22.15	22.11	22.01	0.00	22.50		
		1	0	19.72	19.86	19.76	19.77	20.00	5.00	20.70	20.26	20.36	20.36	20.45	20.45	1.80	20.70		
		1	49	19.81	19.89	19.75	19.93	19.73	5.00	20.70	20.27	20.38	20.48	20.44	20.25	1.80	20.70		
		1	99	19.79	19.88	19.79	19.81	19.94	5.00	20.70	20.27	20.34	20.22	20.30	20.38	1.80	20.70		
	256QAM	50	0	19.82	19.74	19.86	19.74	19.91	5.00	20.70	20.38	20.23	20.20	20.32	20.40	1.80	20.70		
		50	24	19.71	19.89	19.75	19.84	19.79	5.00	20.70	20.24	20.37	20.23	20.49	20.24	1.80	20.70		
		50	50	19.83	19.94	19.73	20.00	19.99	5.00	20.70	20.33	20.22	20.26	20.43	20.30	1.80	20.70		
		100	0	19.78	19.92	19.91	19.84	19.94	5.00	20.70	20.39	20.30	20.41	20.24	20.30	1.80	20.70		
15 MHz	QPSK	1	0	25.03	24.88	24.89	24.78	24.79	0.00	25.70	21.93	21.90	21.84	21.73	21.75	0.00	22.50		
		1	37	25.02	24.84	24.72	24.71	24.71	0.00	25.70	21.89	21.86	21.67	21.63	21.65	0.00	22.50		
		1	74	24.99	24.94	24.76	24.75	24.71	0.00	25.70	21.91	21.94	21.67	21.72	21.74	0.00	22.50		
		36	0	24.15	24.09	23.98	23.93	23.88	1.00	24.70	22.09	22.07	21.98	21.87	21.81	0.00	22.50		
		36	20	24.15	24.04	23.91	23.91	23.84	1.00	24.70	22.11	22.00	21.91	21.82	21.85	0.00	22.50		
		36	39	24.13	24.04	23.91	23.89	23.83	1.00	24.70	22.07	22.01	21.89	21.83	21.79	0.00	22.50		
		75	0	24.14	24.05	23.92	23.86	23.85	1.00	24.70	22.11	22.02	21.91	21.83	21.82	0.00	22.50		
		1	0	24.10	23.96	23.92	23.88	23.73	1.00	24.70	21.90	21.97	21.94	21.73	21.90	0.00	22.50		
	16QAM	1	37	24.12	23.93	23.81	23.78	23.71	1.00	24.70	21.98	21.95	21.77	21.65	21.77	0.00	22.50		
		1	74	24.07	23.99	23.74	23.85	23.72	1.00	24.70	21.96	22.07	21.69	21.69	21.83	0.00	22.50		
		36	0	23.15	23.05	22.95	22.95	22.80	2.00	23.70	22.08	22.07	21.90	21.87	21.88	0.00	22.50		
		36	20	23.17	23.05	22.93	22.89	22.81	2.00	23.70	22.09	22.06	21.85	21.82	21.86	0.00	22.50		
		36	39	23.12	23.00	22.87	22.88	22.79	2.00	23.70	22.06	22.05	21.83	21.78	21.82	0.00	22.50		
		75	0	23.16	23.06	22.96	22.87	22.86	2.00	23.70	22.10	22.05	21.90	21.83	21.81	0.00	22.50		
		1	0	22.96	22.84	22.97	22.94	22.75	2.00	23.70	22.18	22.06	22.21	22.16	22.00	0.00	22.50		
		1	37	22.74	22.80	22.96	22.90	22.82	2.00	23.70	22.12	22.02	22.22	22.20	22.08	0.00	22.50		
	64QAM	1	74	22.94	22.96	22.71	22.83	22.97	2.00	23.70	22.20	22.08	22.16	22.20	22.23	0.00	22.50		
		36	0	21.78	21.97	21.74	21.80	21.99	3.00	22.70	22.23	22.25	22.00	22.13	22.24	0.00	22.50		
		36	20	21.98	21.90	21.96	21.86	21.75	3.00	22.70	22.18	22.24	22.06	22.26	22.02	0.00	22.50		
		36	39	21.99	21.87	21.85	21.89	21.80	3.00	22.70	22.16	22.04	22.26	22.24	22.22	0.00	22.50		
		75	0	21.89	21.77	21.92	21.75	21.97	3.00	22.70	22.29	22.20	22.01	22.05	22.22	0.00	22.50		
		1	0	19.91	19.70	19.86	19.71	19.88	5.00	20.70	20.31	20.35	20.41	20.32	20.26	1.80	20.70		
		1	37	19.90	19.79	19.98	19.75	19.96	5.00	20.70	20.41	20.46	20.31	20.23	20.21	1.80	20.70		
		1	74	19.88	19.82	19.77	19.82	19.86	5.00	20.70	20.21	20.35	20.41	20.27	20.39	1.80	20.70		
	256QAM	36	0	19.96	19.82	19.79	19.95	19.83	5.00	20.70	20.21	20.43	20.26	20.27	20.27	1.80	20.70		
		36	20	19.91	19.97	19.71	19.81	19.91	5.00	20.70	20.44	20.31	20.28	20.22	20.40	1.80	20.70		
		36	39	19.72	19.75	19.96	19.74	19.93	5.00	20.70	20.40	20.42	20.34	20.32	20.29	1.80	20.70		
		75	0	19.74	19.80	19.93	19.84	19.96	5.00	20.70	20.21	20.33	20.40	20.47	20.39	1.80	20.70		

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

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MFR	Tune-up Limit	39750	40185	40620	41055	41490	MFR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	24.99	24.99	24.96	24.76	24.80	0.00	25.70	21.95	21.91	21.90	21.69	21.70	0.00	22.50
		1	25	25.14	25.00	24.91	24.86	24.78	0.00	25.70	22.02	21.89	21.87	21.83	21.72	0.00	22.50
		1	49	25.04	24.98	24.91	24.71	24.77	0.00	25.70	22.09	21.93	21.86	21.66	21.72	0.00	22.50
		25	0	24.20	24.14	24.05	23.92	23.91	1.00	24.70	22.12	22.09	22.03	21.90	21.84	0.00	22.50
		25	12	24.19	24.13	24.04	23.93	23.92	1.00	24.70	22.16	22.09	22.01	21.94	21.87	0.00	22.50
		25	25	24.20	24.10	24.03	23.88	23.89	1.00	24.70	22.14	22.05	21.97	21.87	21.85	0.00	22.50
	16QAM	50	0	24.20	24.11	24.03	23.88	23.90	1.00	24.70	22.13	22.07	22.00	21.86	21.85	0.00	22.50
		1	0	24.16	24.03	24.03	23.95	23.80	1.00	24.70	22.14	22.09	22.01	21.98	21.78	0.00	22.50
		1	25	24.15	23.97	23.97	23.92	23.74	1.00	24.70	22.14	22.03	21.95	21.92	21.78	0.00	22.50
		1	49	24.25	24.01	23.97	23.91	23.78	1.00	24.70	22.21	22.00	21.97	21.92	21.79	0.00	22.50
		25	0	23.22	23.10	23.05	22.94	22.87	2.00	23.70	22.17	22.10	22.03	21.94	21.88	0.00	22.50
		25	12	23.21	23.10	23.04	22.95	22.92	2.00	23.70	22.20	22.09	22.02	21.97	21.88	0.00	22.50
	64QAM	25	25	23.21	23.07	23.00	22.93	22.90	2.00	23.70	22.17	22.08	22.01	21.94	21.85	0.00	22.50
		50	0	23.22	23.09	23.08	22.93	22.87	2.00	23.70	22.14	22.13	22.00	21.93	21.87	0.00	22.50
		1	0	22.72	22.91	22.95	22.89	22.94	2.00	23.70	22.18	22.25	22.26	22.20	22.10	0.00	22.50
		1	25	22.77	22.86	22.95	22.75	22.95	2.00	23.70	22.11	22.11	22.18	22.25	22.07	0.00	22.50
		1	49	22.84	22.77	22.87	22.85	22.93	2.00	23.70	22.18	22.13	22.12	22.21	22.01	0.00	22.50
		25	0	21.71	21.95	21.82	21.71	21.98	3.00	22.70	22.12	22.19	22.16	22.02	22.14	0.00	22.50
	256QAM	25	12	21.79	21.98	21.79	21.91	21.87	3.00	22.70	22.19	22.03	22.25	22.09	22.19	0.00	22.50
		25	25	21.84	21.89	21.88	21.82	21.92	3.00	22.70	22.20	22.07	22.23	22.03	22.22	0.00	22.50
		50	0	21.96	21.81	21.97	21.81	21.81	3.00	22.70	22.13	22.25	22.15	22.16	22.18	0.00	22.50
		1	0	19.95	19.88	19.96	19.83	19.95	5.00	20.70	20.37	20.22	20.40	20.47	20.37	1.80	20.70
		1	25	19.96	19.93	19.84	19.92	19.96	5.00	20.70	20.44	20.45	20.49	20.30	20.47	1.80	20.70
		1	49	19.72	19.81	19.85	19.78	19.86	5.00	20.70	20.32	20.29	20.23	20.38	20.49	1.80	20.70
5 MHz	QPSK	25	0	19.77	19.79	19.91	19.70	19.99	5.00	20.70	20.29	20.27	20.25	20.40	20.28	1.80	20.70
		25	12	19.82	19.77	19.95	19.90	19.83	5.00	20.70	20.27	20.32	20.48	20.31	20.41	1.80	20.70
		25	25	19.84	20.00	19.74	19.97	19.75	5.00	20.70	20.35	20.45	20.38	20.38	20.22	1.80	20.70
		50	0	19.91	19.95	19.92	19.93	19.99	5.00	20.70	20.41	20.44	20.27	20.36	20.29	1.80	20.70
	16QAM	1	0	25.17	24.99	25.00	24.90	24.75	0.00	25.70	22.12	21.94	21.95	21.75	21.74	0.00	22.50
		1	12	25.14	24.97	24.96	24.89	24.76	0.00	25.70	22.09	21.83	21.93	21.72	21.70	0.00	22.50
		1	24	25.15	24.97	24.95	24.85	24.76	0.00	25.70	22.11	21.91	21.95	21.73	21.70	0.00	22.50
		12	0	24.20	24.12	24.06	23.95	23.85	1.00	24.70	22.20	22.08	21.99	21.88	21.84	0.00	22.50
		12	7	24.19	24.10	24.05	23.97	23.92	1.00	24.70	22.22	22.11	22.03	21.92	21.89	0.00	22.50
		12	13	24.21	24.12	24.05	23.92	23.86	1.00	24.70	22.20	22.10	22.02	21.86	21.82	0.00	22.50
	64QAM	25	0	24.17	24.14	24.04	23.93	23.87	1.00	24.70	22.21	22.09	21.98	21.87	21.85	0.00	22.50
		1	0	24.34	24.02	23.97	24.03	23.81	1.00	24.70	22.31	22.00	21.94	21.96	21.77	0.00	22.50
		1	12	24.35	23.92	23.96	24.05	23.78	1.00	24.70	22.29	22.13	21.93	21.88	21.74	0.00	22.50
		1	24	24.35	23.99	23.95	24.02	23.78	1.00	24.70	22.35	21.99	21.93	21.97	21.74	0.00	22.50
		12	0	23.25	23.10	22.99	23.01	22.90	2.00	23.70	22.24	22.11	22.01	21.95	21.89	0.00	22.50
		12	7	23.29	23.16	23.04	22.97	22.94	2.00	23.70	22.29	22.13	21.99	21.96	21.90	0.00	22.50
	256QAM	12	13	23.26	23.12	22.97	22.97	22.93	2.00	23.70	22.24	22.13	21.97	21.93	21.86	0.00	22.50
		25	0	23.21	23.08	23.07	22.90	22.87	2.00	23.70	22.21	22.07	22.04	21.85	21.85	0.00	22.50
		1	0	22.92	22.70	22.84	22.73	22.97	2.00	23.70	22.14	22.06	22.22	22.19	22.19	0.00	22.50
		1	12	22.95	22.91	22.82	22.82	22.85	2.00	23.70	22.19	22.10	22.16	22.19	22.20	0.00	22.50
		1	24	22.99	22.77	22.88	22.93	22.88	2.00	23.70	22.08	22.18	22.22	22.24	22.27	0.00	22.50
		12	0	21.98	21.99	21.71	21.84	21.85	3.00	22.70	22.29	22.01	22.27	22.05	22.10	0.00	22.50
	16QAM	12	7	21.98	21.72	21.92	21.81	21.91	3.00	22.70	22.01	22.10	22.24	22.09	22.15	0.00	22.50
		12	13	21.75	21.96	21.72	21.74	21.90	3.00	22.70	22.24	22.14	22.00	22.28	22.20	0.00	22.50
		25	0	21.86	21.75	21.90	21.90	21.99	3.00	22.70	22.08	22.20	22.25	22.18	22.08	0.00	22.50
	256QAM	1	0	19.77	19.76	19.91	19.79	19.73	5.00	20.70	20.30	20.46	20.31	20.48	20.49	1.80	20.70
		1	12	19.70	19.95	19.92	19.94	19.78	5.00	20.70	20.32	20.21	20.33	20.42	20.34	1.80	20.70
		1	24	19.79	19.70	19.83	19.96	19.89	5.00	20.70	20.39	20.20	20.26	20.41	20.26	1.80	20.70
		12	0	19.99	19.78	19.85	19.83	19.73	5.00	20.70	20.36	20.28	20.24	20.46	20.37	1.80	20.70
	64QAM	12	7	19.84	19.70	19.79	19.78	19.72	5.00	20.70	20.47	20.41	20.25	20.46	20.23	1.80	20.70
		12	13	19.99	19.78	19.85	19.89	19.96	5.00	20.70	20.41	20.22	20.30	20.47	20.45	1.80	20.70
		25	0	19.93	19.86	19.92	19.80	19.84	5.00	20.70	20.28	20.45	20.50	20.31	20.34	1.80	20.70

LTE Band 41 Power Class 3 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
20 MHz	QPSK	1	0	19.40	18.86	19.03	19.02	18.83	0.00	19.75	20.40	20.53	20.60	20.48	20.65	0.00	21.00
		1	49	19.48	18.94	19.52	19.34	19.36	0.00	19.75	20.42	20.72	20.64	20.94	20.99	0.00	21.00
		1	99	19.47	18.84	18.97	18.82	18.88	0.00	19.75	20.49	20.43	20.53	20.41	20.60	0.00	21.00
		50	0	19.64	19.04	19.02	18.97	18.89	0.00	19.75	20.50	20.59	20.60	20.60	20.75	0.00	21.00
		50	24	19.66	19.03	19.56	19.36	19.38	0.00	19.75	20.58	20.60	20.68	20.66	20.96	0.00	21.00
		50	50	19.60	18.97	19.05	18.90	18.77	0.00	19.75	20.52	20.53	20.57	20.62	20.73	0.00	21.00
		100	0	19.39	19.06	19.54	19.01	18.81	0.00	19.75	20.58	20.56	20.57	20.68	20.73	0.00	21.00
		1	0	19.29	19.02	18.98	19.16	18.77	0.00	19.75	20.41	20.28	20.20	20.49	20.34	0.00	21.00
	16QAM	1	49	19.27	18.90	18.84	19.01	18.77	0.00	19.75	20.33	20.14	20.08	20.46	20.36	0.00	21.00
		1	99	19.24	18.85	18.93	18.95	18.75	0.00	19.75	20.36	20.14	20.14	20.40	20.36	0.00	21.00
		50	0	19.26	19.03	19.12	19.03	18.80	0.00	19.75	20.42	20.53	20.35	20.38	20.44	0.20	20.80
		50	24	19.23	18.99	19.05	19.00	18.83	0.00	19.75	20.46	20.42	20.38	20.49	20.48	0.20	20.80
		50	50	19.20	18.97	19.03	18.96	18.79	0.00	19.75	20.34	20.53	20.48	20.42	20.30	0.20	20.80
		100	0	19.18	19.02	19.08	19.05	18.80	0.00	19.75	20.44	20.46	20.52	20.37	20.27	0.20	20.80
		1	0	19.51	19.63	19.46	19.45	19.49	0.00	19.75	20.40	20.32	20.28	20.49	20.48	0.20	20.80
		1	49	19.65	19.62	19.49	19.59	19.65	0.00	19.75	20.29	20.37	20.54	20.38	20.30	0.20	20.80
	64QAM	1	99	19.50	19.50	19.65	19.52	19.53	0.00	19.75	20.36	20.51	20.36	20.34	20.53	0.20	20.80
		50	0	19.57	19.49	19.63	19.45	19.71	0.00	19.75	19.54	19.31	19.50	19.38	19.28	1.20	19.80
		50	24	19.56	19.53	19.59	19.72	19.60	0.00	19.75	19.31	19.50	19.53	19.46	19.25	1.20	19.80
		50	50	19.62	19.62	19.63	19.63	19.67	0.00	19.75	19.45	19.36	19.33	19.28	19.42	1.20	19.80
		100	0	19.67	19.47	19.65	19.71	19.62	0.00	19.75	19.40	19.34	19.32	19.31	19.36	1.20	19.80
		1	0	17.73	17.61	17.65	17.71	17.71	1.95	17.80	17.37	17.48	17.35	17.32	17.52	3.20	17.80
		1	49	17.55	17.55	17.62	17.77	17.60	1.95	17.80	17.45	17.39	17.39	17.38	17.48	3.20	17.80
		1	99	17.65	17.64	17.53	17.73	17.78	1.95	17.80	17.44	17.32	17.34	17.33	17.32	3.20	17.80
	256QAM	50	0	17.69	17.77	17.67	17.52	17.74	1.95	17.80	17.55	17.52	17.46	17.54	17.49	3.20	17.80
		50	24	17.58	17.72	17.51	17.74	17.52	1.95	17.80	17.31	17.43	17.41	17.47	17.34	3.20	17.80
		50	50	17.59	17.66	17.63	17.66	17.58	1.95	17.80	17.27	17.39	17.39	17.53	17.30	3.20	17.80
		100	0	17.54	17.69	17.70	17.73	17.74	1.95	17.80	17.35	17.31	17.27	17.30	17.27	3.20	17.80
15 MHz	QPSK	1	0	19.26	19.15	19.15	19.16	19.14	0.00	19.75	20.24	20.23	20.28	20.28	20.26	0.00	21.00
		1	37	19.24	19.12	18.88	19.12	19.05	0.00	19.75	20.17	20.13	20.06	20.27	20.29	0.00	21.00
		1	74	19.21	19.21	18.78	19.19	19.19	0.00	19.75	20.22	20.22	20.06	20.34	20.31	0.00	21.00
		36	0	19.36	19.33	19.13	19.31	19.31	0.00	19.75	20.34	20.38	20.35	20.44	20.49	0.00	21.00
		36	20	19.39	19.30	19.08	19.32	19.29	0.00	19.75	20.32	20.36	20.30	20.41	20.48	0.00	21.00
		36	39	19.33	19.30	19.01	19.27	19.26	0.00	19.75	20.30	20.33	20.27	20.39	20.45	0.00	21.00
		75	0	19.37	19.31	19.08	19.27	19.03	0.00	19.75	20.32	20.33	20.26	20.37	20.47	0.00	21.00
		1	0	19.42	19.16	19.07	19.27	19.03	0.00	19.75	20.48	20.28	20.26	20.37	20.43	0.00	21.00
	16QAM	1	37	19.33	19.19	18.92	19.22	18.92	0.00	19.75	20.36	20.21	20.37	20.36	20.38	0.00	21.00
		1	74	19.30	19.25	18.86	19.31	18.97	0.00	19.75	20.28	20.26	20.37	20.47	20.33	0.00	21.00
		36	0	19.40	19.32	19.08	19.33	19.12	0.00	19.75	20.47	20.47	20.39	20.49	20.51	0.20	20.80
		36	20	19.41	19.27	19.10	19.32	19.09	0.00	19.75	20.40	20.44	20.47	20.27	20.32	0.20	20.80
		36	39	19.39	19.19	19.05	19.31	19.05	0.00	19.75	20.49	20.51	20.46	20.34	20.28	0.20	20.80
		75	0	19.39	19.24	19.16	19.32	19.10	0.00	19.75	20.27	20.53	20.41	20.53	20.46	0.20	20.80
		1	0	19.54	19.71	19.54	19.74	19.69	0.00	19.75	20.35	20.30	20.37	20.51	20.31	0.20	20.80
		1	37	19.72	19.66	19.63	19.65	19.48	0.00	19.75	20.52	20.43	20.27	20.35	20.51	0.20	20.80
	64QAM	1	74	19.46	19.52	19.49	19.48	19.70	0.00	19.75	20.43	20.34	20.34	20.49	20.46	0.20	20.80
		36	0	19.68	19.47	19.67	19.53	19.67	0.00	19.75	19.36	19.52	19.42	19.49	19.35	1.20	19.80
		36	20	19.72	19.66	19.67	19.61	19.48	0.00	19.75	19.45	19.33	19.54	19.47	19.36	1.20	19.80
		36	39	19.61	19.62	19.46	19.59	19.59	0.00	19.75	19.55	19.32	19.34	19.52	19.28	1.20	19.80
		75	0	19.53	19.49	19.54	19.64	19.55	0.00	19.75	19.49	19.53	19.32	19.52	19.35	1.20	19.80
		1	0	17.69	17.58	17.64	17.69	17.62	1.95	17.80	17.30	17.37	17.28	17.28	17.54	3.20	17.80
		1	37	17.75	17.75	17.56	17.73	17.52	1.95	17.80	17.25	17.52	17.27	17.32	17.33	3.20	17.80
		1	74	17.62	17.74	17.69	17.73	17.59	1.95	17.80	17.48	17.51	17.39	17.38	17.55	3.20	17.80
	256QAM	36	0	17.71	17.51	17.71	17.80	17.61	1.95	17.80	17.53	17.39	17.48	17.53	17.28	3.20	17.80
		36	20	17.70	17.69	17.59	17.62	17.77	1.95	17.80	17.50	17.49	17.25	17.45	17.29	3.20	17.80
		36	39	17.66	17.60	17.71	17.63	17.54	1.95	17.80	17.51	17.34	17.36	17.46	17.26	3.20	17.80
		75	0	17.62	17.55	17.72	17.50	17.66	1.95	17.80	17.46	17.27	17.48	17.39	17.44	3.20	17.80

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	MFR	Tune-up Limit	39750	40185	40620	41055	41490	MFR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	19.32	19.19	19.15	19.11	19.12	0.00	19.75	20.18	20.25	20.25	20.14	20.43	0.00	21.00
		1	25	19.37	19.19	19.20	19.21	19.10	0.00	19.75	20.25	20.23	20.27	20.30	20.42	0.00	21.00
		1	49	19.23	19.19	19.16	19.08	19.08	0.00	19.75	20.08	20.19	20.27	20.23	20.42	0.00	21.00
		25	0	19.44	19.34	19.33	19.27	19.23	0.00	19.75	20.34	20.35	20.40	20.37	20.56	0.00	21.00
		25	12	19.49	19.34	19.36	19.31	19.26	0.00	19.75	20.37	20.38	20.40	20.41	20.58	0.00	21.00
		25	25	19.42	19.32	19.31	19.25	19.21	0.00	19.75	20.27	20.35	20.40	20.41	20.53	0.00	21.00
		50	0	19.41	19.33	19.33	19.28	19.23	0.00	19.75	20.29	20.37	20.40	20.36	20.55	0.00	21.00
		1	0	19.50	19.25	19.28	19.34	19.15	0.00	19.75	20.38	20.24	20.33	20.30	20.44	0.00	21.00
	16QAM	1	25	19.44	19.21	19.25	19.29	19.06	0.00	19.75	20.32	20.16	20.32	20.32	20.41	0.00	21.00
		1	49	19.44	19.21	19.29	19.28	19.09	0.00	19.75	20.28	20.18	20.32	20.43	20.46	0.00	21.00
		25	0	19.51	19.37	19.34	19.33	19.23	0.00	19.75	20.33	20.51	20.30	20.42	20.44	0.20	20.80
		25	12	19.51	19.34	19.34	19.35	19.22	0.00	19.75	20.40	20.48	20.35	20.36	20.35	0.20	20.80
		25	25	19.44	19.34	19.32	19.28	19.23	0.00	19.75	20.30	20.37	20.25	20.36	20.33	0.20	20.80
		50	0	19.47	19.33	19.38	19.31	19.21	0.00	19.75	20.48	20.28	20.35	20.41	20.48	0.20	20.80
		1	0	19.66	19.50	19.50	19.71	19.66	0.00	19.75	20.50	20.29	20.34	20.40	20.52	0.20	20.80
		1	25	19.52	19.49	19.53	19.48	19.63	0.00	19.75	20.46	20.48	20.27	20.46	20.53	0.20	20.80
	64QAM	1	49	19.48	19.58	19.54	19.60	19.55	0.00	19.75	20.26	20.35	20.47	20.45	20.38	0.20	20.80
		25	0	19.64	19.54	19.59	19.54	19.61	0.00	19.75	19.52	19.48	19.35	19.39	19.35	1.20	19.80
		25	12	19.68	19.60	19.48	19.51	19.54	0.00	19.75	19.44	19.32	19.44	19.33	19.53	1.20	19.80
		25	25	19.69	19.54	19.74	19.74	19.47	0.00	19.75	19.39	19.30	19.32	19.52	19.39	1.20	19.80
		50	0	19.47	19.61	19.64	19.74	19.46	0.00	19.75	19.39	19.48	19.38	19.48	19.55	1.20	19.80
		1	0	17.76	17.75	17.71	17.64	17.72	1.95	17.80	17.38	17.50	17.44	17.36	17.28	3.20	17.80
		1	25	17.60	17.66	17.53	17.72	17.64	1.95	17.80	17.48	17.33	17.52	17.29	17.49	3.20	17.80
		1	49	17.57	17.69	17.77	17.75	17.58	1.95	17.80	17.52	17.39	17.32	17.48	17.46	3.20	17.80
	256QAM	25	0	17.60	17.60	17.56	17.68	17.79	1.95	17.80	17.49	17.52	17.48	17.36	17.31	3.20	17.80
		25	12	17.55	17.67	17.50	17.63	17.67	1.95	17.80	17.55	17.51	17.44	17.40	17.47	3.20	17.80
		25	25	17.70	17.66	17.67	17.79	17.66	1.95	17.80	17.51	17.25	17.34	17.28	17.32	3.20	17.80
		50	0	17.76	17.57	17.55	17.73	17.59	1.95	17.80	17.41	17.31	17.38	17.28	17.31	3.20	17.80
5 MHz	QPSK	1	0	19.38	19.28	19.19	19.10	19.13	0.00	19.75	20.18	20.26	20.33	20.31	20.48	0.00	21.00
		1	12	19.33	19.27	19.21	19.11	19.15	0.00	19.75	20.05	20.26	20.30	20.27	20.45	0.00	21.00
		1	24	19.32	19.23	19.20	19.09	19.12	0.00	19.75	20.15	20.24	20.33	20.27	20.48	0.00	21.00
		12	0	19.49	19.34	19.27	19.23	19.21	0.00	19.75	20.33	20.36	20.37	20.42	20.51	0.00	21.00
		12	7	19.53	19.37	19.30	19.25	19.26	0.00	19.75	20.34	20.36	20.41	20.43	20.55	0.00	21.00
		12	13	19.51	19.32	19.29	19.26	19.23	0.00	19.75	20.34	20.33	20.39	20.43	20.54	0.00	21.00
		25	0	19.48	19.37	19.31	19.25	19.20	0.00	19.75	20.32	20.33	20.35	20.40	20.51	0.00	21.00
		1	0	19.43	19.29	19.41	19.15	19.17	0.00	19.75	20.18	20.26	20.49	20.29	20.50	0.00	21.00
	16QAM	1	12	19.33	19.28	19.45	19.06	19.18	0.00	19.75	20.08	20.29	20.49	20.23	20.47	0.00	21.00
		1	24	19.38	19.26	19.40	19.14	19.15	0.00	19.75	20.19	20.26	20.49	20.26	20.46	0.00	21.00
		12	0	19.53	19.30	19.34	19.28	19.18	0.00	19.75	20.26	20.32	20.41	20.42	20.44	0.20	20.80
		12	7	19.53	19.33	19.38	19.29	19.20	0.00	19.75	20.28	20.48	20.28	20.39	20.30	0.20	20.80
		12	13	19.51	19.29	19.35	19.28	19.17	0.00	19.75	20.28	20.43	20.45	20.31	20.46	0.20	20.80
		25	0	19.47	19.38	19.30	19.24	19.22	0.00	19.75	20.36	20.51	20.39	20.51	20.53	0.20	20.80
		1	0	19.69	19.64	19.64	19.72	19.70	0.00	19.75	20.37	20.43	20.49	20.25	20.51	0.20	20.80
		1	12	19.60	19.48	19.60	19.58	19.64	0.00	19.75	20.54	20.51	20.32	20.28	20.29	0.20	20.80
	64QAM	1	24	19.59	19.64	19.46	19.46	19.68	0.00	19.75	20.50	20.46	20.54	20.26	20.46	0.20	20.80
		12	0	19.67	19.72	19.56	19.49	19.52	0.00	19.75	19.31	19.39	19.45	19.27	19.52	1.20	19.80
		12	7	19.73	19.55	19.58	19.46	19.51	0.00	19.75	19.30	19.54	19.37	19.52	19.37	1.20	19.80
		12	13	19.67	19.72	19.70	19.65	19.62	0.00	19.75	19.36	19.52	19.51	19.44	19.37	1.20	19.80
		25	0	19.63	19.69	19.65	19.66	19.46	0.00	19.75	19.49	19.44	19.36	19.42	19.36	1.20	19.80
		1	0	17.74	17.70	17.53	17.65	17.60	1.95	17.80	17.49	17.48	17.38	17.33	17.34	3.20	17.80
		1	12	17.51	17.51	17.67	17.64	17.78	1.95	17.80	17.46	17.55	17.48	17.53	17.43	3.20	17.80
		1	24	17.68	17.53	17.51	17.79	17.75	1.95	17.80	17.28	17.52	17.53	17.39	17.34	3.20	17.80
	256QAM	12	0	17.57	17.58	17.54	17.66	17.66	1.95	17.80	17.38	17.37	17.37	17.41	17.51	3.20	17.80
		12	7	17.78	17.54	17.53	17.63	17.55	1.95	17.80	17.36	17.41	17.47	17.31	17.40	3.20	17.80
		12	13	17.64	17.73	17.66	17.52	17.63	1.95	17.80	17.38	17.38	17.41	17.48	17.39	3.20	17.80
		25	0	17.62	17.67	17.55	17.72	17.71	1.95	17.80	17.50	17.48	17.29	17.32	17.44	3.20	17.80

LTE Band 41 Power Class 3 Measured Results (ANT3)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)								Power Mode B (dBm)							
				39750	40185	40620	41055	41490	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	24.36	24.40	24.33	24.24	24.40	0.00	24.70	21.47	21.40	21.63	21.40	21.42	0.00	21.75		
		1	49	24.40	24.40	24.45	24.22	24.40	0.00	24.70	21.65	21.43	21.68	21.43	21.52	0.00	21.75		
		1	99	24.28	24.27	24.36	24.20	24.40	0.00	24.70	21.60	21.30	21.37	21.36	21.30	0.00	21.75		
		50	0	23.37	23.39	23.42	23.37	23.45	1.00	23.70	21.61	21.30	21.54	21.40	21.58	0.00	21.75		
		50	24	23.42	23.40	23.60	23.45	23.47	1.00	23.70	21.64	21.58	21.60	21.52	21.59	0.00	21.75		
		50	50	23.33	23.21	23.25	23.44	23.47	1.00	23.70	21.50	21.49	21.53	21.49	21.59	0.00	21.75		
		100	0	23.36	23.34	23.42	23.36	23.40	1.00	23.70	21.38	21.36	21.57	21.35	21.60	0.00	21.75		
	16QAM	1	0	23.20	23.28	23.30	23.28	23.40	1.00	23.70	21.23	21.35	21.29	21.21	21.47	0.00	21.75		
		1	49	23.39	23.27	23.24	23.32	23.31	1.00	23.70	21.37	21.25	21.27	21.30	21.40	0.00	21.75		
		1	99	23.41	23.34	23.43	23.40	23.49	1.00	23.70	21.30	21.34	21.23	21.37	21.40	0.00	21.75		
		50	0	22.49	22.35	22.40	22.34	22.24	2.00	22.70	21.49	21.34	21.22	21.22	21.36	0.00	21.75		
		50	24	22.35	22.33	22.26	22.45	22.47	2.00	22.70	21.46	21.20	21.28	21.30	21.33	0.00	21.75		
		50	50	22.21	22.45	22.25	22.26	22.29	2.00	22.70	21.35	21.22	21.32	21.31	21.38	0.00	21.75		
		100	0	22.34	22.38	22.37	22.29	22.48	2.00	22.70	21.30	21.32	21.42	21.26	21.32	0.00	21.75		
	64QAM	1	0	22.39	22.36	22.35	22.20	22.45	2.00	22.70	21.24	21.44	21.29	21.31	21.25	0.00	21.75		
		1	49	22.23	22.47	22.44	22.35	22.25	2.00	22.70	21.29	21.47	21.40	21.45	21.31	0.00	21.75		
		1	99	22.42	22.47	22.24	22.31	22.33	2.00	22.70	21.26	21.26	21.26	21.27	21.22	0.00	21.75		
		50	0	21.26	21.36	21.32	21.22	21.25	3.00	21.70	21.44	21.18	21.41	21.30	21.39	0.05	21.70		
		50	24	21.42	21.38	21.23	21.22	21.35	3.00	21.70	21.27	21.29	21.37	21.39	21.45	0.05	21.70		
		50	50	21.40	21.28	21.28	21.26	21.41	3.00	21.70	21.32	21.43	21.42	21.23	21.42	0.05	21.70		
		100	0	21.48	21.46	21.50	21.22	21.31	3.00	21.70	21.19	21.45	21.30	21.19	21.31	0.05	21.70		
	256QAM	1	0	19.45	19.47	19.29	19.23	19.36	5.00	19.70	19.26	19.40	19.40	19.26	19.44	2.05	19.70		
		1	49	19.45	19.29	19.25	19.47	19.27	5.00	19.70	19.34	19.16	19.39	19.22	19.42	2.05	19.70		
		1	99	19.27	19.46	19.24	19.39	19.29	5.00	19.70	19.17	19.21	19.21	19.34	19.20	2.05	19.70		
		50	0	19.27	19.45	19.32	19.23	19.29	5.00	19.70	19.29	19.27	19.38	19.30	19.31	2.05	19.70		
		50	24	19.35	19.25	19.29	19.36	19.44	5.00	19.70	19.35	19.26	19.19	19.36	19.42	2.05	19.70		
		50	50	19.39	19.40	19.38	19.30	19.22	5.00	19.70	19.32	19.43	19.28	19.35	19.27	2.05	19.70		
		100	0	19.29	19.31	19.44	19.30	19.45	5.00	19.70	19.32	19.15	19.38	19.23	19.18	2.05	19.70		
15 MHz	QPSK	1	0	24.30	24.44	24.23	24.32	24.47	0.00	24.70	21.21	21.48	21.30	21.43	21.48	0.00	21.75		
		1	37	24.44	24.39	24.37	24.25	24.47	0.00	24.70	21.48	21.28	21.25	21.33	21.35	0.00	21.75		
		1	74	24.40	24.50	24.32	24.35	24.30	0.00	24.70	21.32	21.47	21.38	21.40	21.22	0.00	21.75		
		36	0	23.39	23.34	23.44	23.34	23.29	1.00	23.70	21.30	21.42	21.45	21.27	21.24	0.00	21.75		
		36	20	23.35	23.43	23.34	23.46	23.36	1.00	23.70	21.43	21.21	21.48	21.25	21.49	0.00	21.75		
		36	39	23.41	23.46	23.22	23.47	23.24	1.00	23.70	21.45	21.44	21.37	21.37	21.25	0.00	21.75		
		75	0	23.20	23.40	23.36	23.37	23.35	1.00	23.70	21.26	21.28	21.39	21.30	21.33	0.00	21.75		
	16QAM	1	0	23.38	23.23	23.37	23.45	23.42	1.00	23.70	21.22	21.29	21.45	21.40	21.49	0.00	21.75		
		1	37	23.45	23.47	23.23	23.34	23.30	1.00	23.70	21.49	21.33	21.30	21.37	21.34	0.00	21.75		
		1	74	23.34	23.25	23.44	23.27	23.30	1.00	23.70	21.29	21.31	21.27	21.47	21.39	0.00	21.75		
		36	0	22.26	22.38	22.49	22.42	22.24	2.00	22.70	21.34	21.42	21.34	21.21	21.43	0.00	21.75		
		36	20	22.29	22.43	22.47	22.30	22.20	2.00	22.70	21.48	21.48	21.47	21.42	21.39	0.00	21.75		
		36	39	22.35	22.37	22.30	22.42	22.25	2.00	22.70	21.20	21.42	21.39	21.37	21.39	0.00	21.75		
		75	0	22.30	22.46	22.23	22.22	22.30	2.00	22.70	21.29	21.27	21.27	21.41	21.26	0.00	21.75		
	64QAM	1	0	22.48	22.29	22.35	22.25	22.21	2.00	22.70	21.47	21.47	21.23	21.34	21.39	0.00	21.75		
		1	37	22.49	22.47	22.24	22.45	22.31	2.00	22.70	21.44	21.50	21.21	21.34	21.44	0.00	21.75		
		1	74	22.31	22.23	22.30	22.45	22.45	2.00	22.70	21.49	21.44	21.41	21.20	21.39	0.00	21.75		
		36	0	21.29	21.39	21.24	21.23	21.24	3.00	21.70	21.19	21.17	21.27	21.29	21.18	0.05	21.70		
		36	20	21.20	21.39	21.45	21.21	21.40	3.00	21.70	21.44	21.28	21.25	21.41	21.39	0.05	21.70		
		36	39	21.42	21.43	21.40	21.38	21.45	3.00	21.70	21.30	21.25	21.17	21.21	21.34	0.05	21.70		
		75	0	21.23	21.46	21.28	21.33	21.29	3.00	21.70	21.25	21.18	21.18	21.41	21.31	0.05	21.70		
	256QAM	1	0	19.45	19.48	19.33	19.30	19.32	5.00	19.70	19.43	19.31	19.35	19.43	19.22	2.05	19.70		
		1	37	19.48	19.47	19.29	19.35	19.45	5.00	19.70	19.45	19.38	19.28	19.18	19.18	2.05	19.70		
		1	74	19.37	19.45	19.33	19.29	19.30	5.00	19.70	19.42	19.29	19.23	19.34	19.23	2.05	19.70		
		36	0	19.45	19.24	19.30	19.32	19.27	5.00	19.70	19.20	19.34	19.27	19.18	19.30	2.05	19.70		
		36	20	19.41	19.29	19.39	19.46	19.25	5.00	19.70	19.29	19.28	19.19	19.36	19.35	2.05	19.70		
		36	39	19.34	19.38	19.22	19.41	19.48	5.00	19.70	19.37	19.32	19.29	19.37	19.37	2.05	19.70		
		75	0	19.26	19.45	19.21	19.45	19.29	5.00	19.70	19.45	19.36	19.43	19.16	19.39	2.05	19.70		

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

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)								Power Mode B (dBm)							
				39750	40185	40620	41055	41490	MFR	Tune-up Limit		39750	40185	40620	41055	41490	MFR	Tune-up Limit	
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			
10 MHz	QPSK	1	0	24.27	24.31	24.34	24.32	24.42	0.00	24.70		21.36	21.48	21.29	21.47	21.48	0.00	21.75	
		1	25	24.25	24.49	24.26	24.27	24.23	0.00	24.70		21.49	21.22	21.34	21.42	21.28	0.00	21.75	
		1	49	24.46	24.46	24.31	24.42	24.36	0.00	24.70		21.25	21.21	21.24	21.25	21.40	0.00	21.75	
		25	0	23.39	23.34	23.23	23.29	23.21	1.00	23.70		21.42	21.50	21.31	21.39	21.22	0.00	21.75	
		25	12	23.42	23.45	23.39	23.29	23.40	1.00	23.70		21.24	21.32	21.24	21.21	21.26	0.00	21.75	
		25	25	23.34	23.42	23.39	23.23	23.27	1.00	23.70		21.23	21.29	21.47	21.26	21.32	0.00	21.75	
	16QAM	50	0	23.45	23.37	23.32	23.23	23.40	1.00	23.70		21.33	21.29	21.48	21.42	21.31	0.00	21.75	
		1	0	23.47	23.44	23.42	23.34	23.24	1.00	23.70		21.27	21.30	21.36	21.39	21.27	0.00	21.75	
		1	25	23.48	23.31	23.25	23.23	23.44	1.00	23.70		21.36	21.41	21.34	21.25	21.30	0.00	21.75	
		1	49	23.28	23.27	23.47	23.38	23.27	1.00	23.70		21.24	21.44	21.37	21.26	21.29	0.00	21.75	
		25	0	22.21	22.26	22.20	22.21	22.24	2.00	22.70		21.22	21.31	21.21	21.27	21.35	0.00	21.75	
		25	12	22.46	22.41	22.50	22.25	22.44	2.00	22.70		21.31	21.48	21.28	21.27	21.24	0.00	21.75	
	64QAM	25	25	22.33	22.27	22.28	22.43	22.36	2.00	22.70		21.48	21.21	21.47	21.31	21.21	0.00	21.75	
		50	0	22.31	22.24	22.26	22.23	22.22	2.00	22.70		21.23	21.38	21.42	21.40	21.37	0.00	21.75	
		1	0	22.32	22.27	22.45	22.40	22.47	2.00	22.70		21.32	21.24	21.28	21.29	21.37	0.00	21.75	
		1	25	22.30	22.37	22.23	22.30	22.38	2.00	22.70		21.23	21.28	21.33	21.40	21.23	0.00	21.75	
		1	49	22.27	22.42	22.38	22.27	22.49	2.00	22.70		21.41	21.27	21.40	21.40	21.46	0.00	21.75	
		25	0	21.26	21.36	21.39	21.26	21.30	3.00	21.70		21.28	21.20	21.33	21.41	21.42	0.05	21.70	
	256QAM	25	12	21.49	21.42	21.49	21.49	21.37	3.00	21.70		21.40	21.38	21.31	21.37	21.33	0.05	21.70	
		25	25	21.39	21.26	21.39	21.48	21.37	3.00	21.70		21.38	21.44	21.36	21.27	21.36	0.05	21.70	
		50	0	21.30	21.37	21.37	21.29	21.43	3.00	21.70		21.34	21.31	21.21	21.21	21.25	0.05	21.70	
		1	0	19.25	19.31	19.30	19.28	19.26	5.00	19.70		19.36	19.18	19.18	19.27	19.20	2.05	19.70	
		1	25	19.50	19.23	19.33	19.25	19.26	5.00	19.70		19.21	19.32	19.20	19.18	19.38	2.05	19.70	
		1	49	19.38	19.24	19.41	19.48	19.44	5.00	19.70		19.23	19.20	19.27	19.29	19.16	2.05	19.70	
5 MHz	QPSK	25	0	19.37	19.48	19.44	19.47	19.42	5.00	19.70		19.37	19.31	19.30	19.32	19.25	2.05	19.70	
		25	12	19.45	19.28	19.37	19.41	19.48	5.00	19.70		19.38	19.28	19.28	19.37	19.42	2.05	19.70	
		25	25	19.23	19.45	19.27	19.26	19.22	5.00	19.70		19.41	19.31	19.40	19.25	19.16	2.05	19.70	
		50	0	19.48	19.22	19.48	19.42	19.35	5.00	19.70		19.21	19.23	19.37	19.29	19.40	2.05	19.70	
	16QAM	1	0	24.22	24.41	24.36	24.33	24.45	0.00	24.70		21.27	21.35	21.39	21.22	21.45	0.00	21.75	
		1	12	24.47	24.26	24.48	24.22	24.34	0.00	24.70		21.42	21.41	21.42	21.24	21.23	0.00	21.75	
		1	24	24.35	24.48	24.42	24.21	24.32	0.00	24.70		21.41	21.34	21.37	21.25	21.24	0.00	21.75	
		12	0	23.28	23.26	23.42	23.29	23.25	1.00	23.70		21.44	21.46	21.33	21.42	21.36	0.00	21.75	
		12	7	23.31	23.32	23.46	23.27	23.40	1.00	23.70		21.48	21.25	21.34	21.45	21.45	0.00	21.75	
		12	13	23.30	23.36	23.46	23.42	23.30	1.00	23.70		21.33	21.20	21.20	21.47	21.40	0.00	21.75	
	64QAM	25	0	23.25	23.38	23.30	23.39	23.38	1.00	23.70		21.46	21.34	21.43	21.48	21.46	0.00	21.75	
		1	0	23.37	23.46	23.39	23.48	23.22	1.00	23.70		21.24	21.20	21.47	21.25	21.41	0.00	21.75	
		1	12	23.42	23.29	23.30	23.40	23.46	1.00	23.70		21.31	21.44	21.31	21.32	21.27	0.00	21.75	
		1	24	23.24	23.48	23.27	23.48	23.31	1.00	23.70		21.40	21.24	21.40	21.23	21.44	0.00	21.75	
		12	0	22.43	22.46	22.40	22.36	22.43	2.00	22.70		21.39	21.39	21.33	21.21	21.47	0.00	21.75	
		12	7	22.36	22.35	22.28	22.39	22.48	2.00	22.70		21.50	21.40	21.39	21.21	21.49	0.00	21.75	
	256QAM	12	13	22.49	22.42	22.42	22.31	22.25	2.00	22.70		21.36	21.32	21.28	21.37	21.39	0.00	21.75	
		25	0	22.34	22.41	22.27	22.44	22.28	2.00	22.70		21.44	21.40	21.24	21.49	21.47	0.00	21.75	
		1	0	22.40	22.39	22.22	22.22	22.38	2.00	22.70		21.36	21.20	21.46	21.42	21.44	0.00	21.75	
		1	12	22.36	22.34	22.27	22.26	22.34	2.00	22.70		21.37	21.35	21.25	21.37	21.25	0.00	21.75	
		1	24	22.33	22.30	22.36	22.44	22.36	2.00	22.70		21.22	21.26	21.32	21.48	21.37	0.00	21.75	
		12	0	21.43	21.48	21.27	21.32	21.25	3.00	21.70		21.29	21.15	21.30	21.23	21.17	0.05	21.70	
	QPSK	12	7	21.42	21.44	21.41	21.25	21.36	3.00	21.70		21.29	21.21	21.28	21.35	21.17	0.05	21.70	
		12	13	21.38	21.25	21.21	21.33	21.31	3.00	21.70		21.18	21.20	21.33	21.35	21.36	0.05	21.70	
		25	0	21.33	21.43	21.41	21.35	21.49	3.00	21.70		21.44	21.18	21.42	21.20	21.40	0.05	21.70	
		1	0	19.31	19.24	19.41	19.48	19.46	5.00	19.70		19.43	19.40	19.33	19.17	19.20	2.05	19.70	
		1	12	19.42	19.29	19.47	19.27	19.23	5.00	19.70		19.38	19.29	19.29	19.24	19.22	2.05	19.70	
		1	24	19.29	19.46	19.42	19.20	19.43	5.00	19.70		19.26	19.18	19.36	19.35	19.34	2.05	19.70	
	16QAM	12	0	19.46	19.29	19.28	19.33	19.29	5.00	19.70		19.31	19.42	19.16	19.31	19.41	2.05	19.70	
		12	7	19.32	19.26	19.33	19.44	19.46	5.00	19.70		19.24	19.22	19.41	19.32	19.19	2.05	19.70	
		12	13	19.42	19.40	19.37	19.29	19.39	5.00	19.70		19.39	19.45	19.23	19.27	19.38	2.05	19.70	
		25	0	19.29	19.46	19.47	19.30	19.23	5.00	19.70		19.30	19.23	19.27	19.16	19.22	2.05	19.70	

LTE Band 41 Power Class 3 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	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	21.21	21.00	21.10	21.12	21.24	0.00	21.25	21.95	21.93	21.72	21.93	21.90	0.00	22.20
		1	49	21.25	21.15	21.10	21.17	21.25	0.00	21.25	21.96	21.94	21.75	21.98	21.92	0.00	22.20
		1	99	20.99	21.10	21.10	21.03	21.09	0.00	21.25	21.90	21.93	21.71	21.96	21.88	0.00	22.20
		50	0	21.03	21.08	21.03	21.08	21.17	0.05	21.20	21.15	21.14	21.08	21.05	21.17	1.00	21.20
		50	24	21.11	21.17	21.20	21.12	21.20	0.05	21.20	21.20	21.19	21.16	21.20	21.20	1.00	21.20
		50	50	21.04	20.93	20.94	21.10	21.01	0.05	21.20	20.95	21.09	21.07	21.16	21.11	1.00	21.20
		100	0	21.12	21.00	21.03	20.97	20.98	0.05	21.20	21.16	21.09	20.94	21.15	20.98	1.00	21.20
		1	0	20.86	20.87	20.84	21.00	21.03	0.05	21.20	20.92	21.04	20.96	21.00	20.78	1.00	21.20
	16QAM	1	49	20.81	21.01	20.76	21.03	21.02	0.05	21.20	20.76	21.05	20.87	21.05	20.93	1.00	21.20
		1	99	20.98	21.04	20.89	20.89	20.85	0.05	21.20	20.75	20.85	20.95	20.81	21.02	1.00	21.20
		50	0	19.49	19.69	19.27	19.27	19.20	1.05	20.20	19.65	19.86	19.45	19.44	19.35	2.00	20.20
		50	24	19.68	19.68	19.24	19.27	19.25	1.05	20.20	19.88	19.85	19.40	19.41	19.40	2.00	20.20
		50	50	19.82	19.54	19.22	19.34	19.20	1.05	20.20	19.97	19.69	19.38	19.46	19.33	2.00	20.20
		100	0	19.62	19.66	19.27	19.24	19.22	1.05	20.20	19.74	19.83	19.42	19.38	19.36	2.00	20.20
		1	0	19.92	19.95	19.97	19.96	19.95	1.05	20.20	20.02	20.05	19.98	19.92	20.02	2.00	20.20
		1	49	19.88	20.04	20.03	19.93	19.94	1.05	20.20	20.04	19.92	19.98	19.94	19.99	2.00	20.20
	64QAM	1	99	19.93	19.90	19.89	19.99	19.87	1.05	20.20	19.95	19.97	20.00	19.87	19.97	2.00	20.20
		50	0	18.90	18.98	18.87	18.87	19.01	2.05	19.20	18.97	19.01	18.99	18.89	19.00	3.00	19.20
		50	24	18.86	18.91	18.94	18.90	18.94	2.05	19.20	19.01	18.90	18.88	18.90	19.02	3.00	19.20
		50	50	19.05	18.95	18.93	18.97	18.97	2.05	19.20	18.96	18.90	18.92	18.96	18.95	3.00	19.20
		100	0	19.04	18.95	18.93	18.91	19.04	2.05	19.20	18.97	18.87	18.97	18.87	18.87	3.00	19.20
		1	0	16.89	16.93	16.86	17.02	16.96	4.05	17.20	17.01	16.96	17.02	16.87	17.03	5.00	17.20
		1	49	16.93	16.97	16.86	16.93	17.04	4.05	17.20	16.92	17.01	16.87	16.91	16.87	5.00	17.20
		1	99	17.02	16.94	17.03	16.88	17.03	4.05	17.20	17.05	16.93	16.88	16.86	16.86	5.00	17.20
	256QAM	50	0	16.97	16.97	16.87	16.93	16.91	4.05	17.20	16.86	17.03	17.03	17.00	17.02	5.00	17.20
		50	24	16.86	16.93	16.98	16.89	16.88	4.05	17.20	16.95	17.01	17.00	16.90	17.01	5.00	17.20
		50	50	17.00	17.01	17.01	16.87	16.88	4.05	17.20	16.95	16.88	16.91	17.05	16.97	5.00	17.20
		100	0	16.87	16.88	16.97	17.01	16.91	4.05	17.20	17.03	16.89	16.88	16.97	16.88	5.00	17.20
15 MHz	QPSK	1	0	20.32	20.72	20.53	20.30	20.26	0.00	21.25	21.26	21.92	21.41	21.50	21.41	0.00	22.20
		1	37	20.78	20.59	20.34	20.30	20.44	0.00	21.25	21.83	21.78	21.20	21.46	21.32	0.00	22.20
		1	74	20.90	20.66	20.29	20.36	20.54	0.00	21.25	22.04	21.81	21.20	21.54	21.38	0.00	22.20
		36	0	20.67	20.88	20.31	20.39	20.35	0.05	21.20	20.63	21.02	20.51	20.55	20.48	1.00	21.20
		36	20	20.86	20.84	20.29	20.35	20.37	0.05	21.20	20.84	20.98	20.46	20.60	20.51	1.00	21.20
		36	39	20.88	20.72	20.23	20.41	20.34	0.05	21.20	20.96	20.85	20.43	20.55	20.48	1.00	21.20
		75	0	20.78	20.82	20.27	20.35	20.38	0.05	21.20	20.80	20.97	20.40	20.59	20.42	1.00	21.20
		1	0	20.44	20.82	20.47	20.40	20.43	0.05	21.20	20.25	20.98	20.45	20.57	20.56	1.00	21.20
	16QAM	1	37	20.86	20.73	20.25	20.35	20.29	0.05	21.20	20.89	20.87	20.24	20.56	20.41	1.00	21.20
		1	74	20.97	20.77	20.23	20.48	20.23	0.05	21.20	21.10	20.94	20.20	20.68	20.34	1.00	21.20
		36	0	19.68	19.85	19.31	19.41	19.32	1.05	20.20	19.64	20.02	19.48	19.58	19.47	2.00	20.20
		36	20	19.87	19.81	19.29	19.38	19.38	1.05	20.20	19.85	19.99	19.42	19.63	19.51	2.00	20.20
		36	39	19.90	19.70	19.20	19.47	19.32	1.05	20.20	20.00	19.84	19.33	19.60	19.45	2.00	20.20
		75	0	19.77	19.84	19.21	19.38	19.39	1.05	20.20	19.79	19.98	19.42	19.61	19.45	2.00	20.20
		1	0	20.08	20.15	20.15	20.05	20.03	1.05	20.20	20.19	20.09	20.01	20.15	20.12	2.00	20.20
		1	37	20.05	20.18	20.10	20.08	20.01	1.05	20.20	20.18	20.18	20.01	20.09	20.18	2.00	20.20
	64QAM	1	74	20.04	20.02	20.10	20.15	20.04	1.05	20.20	20.11	20.19	20.20	20.10	20.08	2.00	20.20
		36	0	19.03	19.12	19.17	19.08	19.15	2.05	19.20	19.16	19.18	19.12	19.15	19.19	3.00	19.20
		36	20	19.07	19.05	19.06	19.09	19.08	2.05	19.20	19.08	19.03	19.11	19.13	19.19	3.00	19.20
		36	39	19.14	19.08	19.08	19.18	19.07	2.05	19.20	19.16	19.01	19.07	19.02	19.08	3.00	19.20
		75	0	19.09	19.14	19.15	19.08	19.18	2.05	19.20	19.13	19.13	19.18	19.12	19.14	3.00	19.20
		1	0	17.10	17.06	17.14	17.07	17.09	4.05	17.20	17.19	17.10	17.06	17.08	17.10	5.00	17.20
		1	37	17.20	17.02	17.05	17.06	17.18	4.05	17.20	17.08	17.09	17.17	17.07	17.12	5.00	17.20
		1	74	17.12	17.03	17.05	17.14	17.18	4.05	17.20	17.11	17.03	17.10	17.07	17.01	5.00	17.20
	256QAM	36	0	17.07	17.11	17.07	17.10	17.19	4.05	17.20	17.12	17.02	17.18	17.07	17.09	5.00	17.20
		36	20	17.16	17.06	17.19	17.09	17.19	4.05	17.20	17.12	17.19	17.17	17.14	17.16	5.00	17.20
		36	39	17.12	17.12	17.04	17.08	17.02	4.05	17.20	17.09	17.19	17.18	17.01	17.02	5.00	17.20
		75	0	17.02	17.07	17.13	17.11	17.16	4.05	17.20	17.05	17.13	17.09	17.12	17.19	5.00	17.20

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

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)								Power Mode B (dBm)							
				39750	40185	40620	41055	41490	MFR	Tune-up Limit		39750	40185	40620	41055	41490	MFR	Tune-up Limit	
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			
10 MHz	QPSK	1	0	20.54	20.79	20.30	20.26	20.31	0.00	21.25		21.21	21.97	21.49	21.45	21.48	0.00	22.20	
		1	25	20.82	20.75	20.29	20.36	20.29	0.00	21.25		21.78	21.93	21.47	21.53	21.43	0.00	22.20	
		1	49	20.89	20.69	20.27	20.27	20.26	0.00	21.25		21.95	21.86	21.45	21.43	21.40	0.00	22.20	
		25	0	20.78	20.90	20.42	20.37	20.37	0.05	21.20		20.66	21.07	20.58	20.52	20.50	1.00	21.20	
		25	12	20.83	20.91	20.43	20.37	20.43	0.05	21.20		20.83	21.07	20.59	20.57	20.50	1.00	21.20	
		25	25	20.91	20.76	20.37	20.43	20.37	0.05	21.20		20.93	20.95	20.55	20.62	20.53	1.00	21.20	
		50	0	20.79	20.88	20.41	20.33	20.40	0.05	21.20		20.75	21.05	20.57	20.54	20.48	1.00	21.20	
		1	0	20.67	20.86	20.38	20.45	20.35	0.05	21.20		20.34	21.07	20.58	20.65	20.47	1.00	21.20	
		1	25	20.84	20.72	20.36	20.42	20.28	0.05	21.20		20.84	20.93	20.51	20.64	20.43	1.00	21.20	
		1	49	21.05	20.73	20.35	20.46	20.30	0.05	21.20		21.12	20.90	20.51	20.68	20.41	1.00	21.20	
	16QAM	25	0	19.78	19.89	19.41	19.39	19.37	1.05	20.20		19.67	20.10	19.60	19.58	19.49	2.00	20.20	
		25	12	19.84	19.89	19.40	19.41	19.40	1.05	20.20		19.81	20.05	19.58	19.60	19.48	2.00	20.20	
		25	25	19.95	19.78	19.38	19.49	19.39	1.05	20.20		19.94	19.94	19.53	19.65	19.53	2.00	20.20	
		50	0	19.84	19.85	19.45	19.42	19.38	1.05	20.20		19.77	20.03	19.62	19.54	19.47	2.00	20.20	
		1	0	20.13	20.15	20.10	20.12	20.04	1.05	20.20		20.08	20.08	20.09	20.20	20.19	2.00	20.20	
		1	25	20.11	20.03	20.12	20.16	20.11	1.05	20.20		20.18	20.14	20.14	20.12	20.17	2.00	20.20	
		1	49	20.07	20.17	20.06	20.05	20.16	1.05	20.20		20.18	20.08	20.09	20.07	20.06	2.00	20.20	
		25	0	19.00	19.09	19.20	19.18	19.19	2.05	19.20		19.12	19.14	19.14	19.17	19.11	3.00	19.20	
		25	12	19.08	19.10	19.02	19.10	19.09	2.05	19.20		19.12	19.12	19.04	19.20	19.16	3.00	19.20	
		25	25	19.02	19.06	19.18	19.01	19.14	2.05	19.20		19.06	19.13	19.11	19.04	19.17	3.00	19.20	
	256QAM	50	0	19.16	19.14	19.12	19.09	19.17	2.05	19.20		19.17	19.01	19.11	19.08	19.15	3.00	19.20	
		1	0	17.00	17.07	17.14	17.04	17.17	4.05	17.20		17.16	17.14	17.16	17.15	17.15	5.00	17.20	
		1	25	17.05	17.11	17.09	17.13	17.04	4.05	17.20		17.19	17.16	17.17	17.03	17.20	5.00	17.20	
		1	49	17.06	17.12	17.16	17.04	17.20	4.05	17.20		17.19	17.15	17.06	17.12	17.01	5.00	17.20	
		25	0	17.17	17.07	17.01	17.15	17.01	4.05	17.20		17.11	17.03	17.08	17.08	17.07	5.00	17.20	
		25	12	17.20	17.19	17.11	17.10	17.07	4.05	17.20		17.07	17.14	17.03	17.01	17.16	5.00	17.20	
		25	25	17.14	17.17	17.00	17.00	17.05	4.05	17.20		17.17	17.08	17.04	17.02	17.04	5.00	17.20	
		50	0	17.10	17.06	17.02	17.09	17.01	4.05	17.20		17.00	17.10	17.18	17.09	17.06	5.00	17.20	
5 MHz	QPSK	1	0	20.70	20.82	20.33	20.25	20.34	0.00	21.25		21.65	21.95	21.52	21.46	21.42	0.00	22.20	
		1	12	20.78	20.80	20.30	20.29	20.35	0.00	21.25		21.96	21.91	21.48	21.54	21.34	0.00	22.20	
		1	24	20.82	20.70	20.33	20.32	20.29	0.00	21.25		22.18	21.83	21.49	21.55	21.36	0.00	22.20	
		12	0	20.87	20.90	20.38	20.42	20.44	0.05	21.20		20.85	21.06	20.55	20.56	20.51	1.00	21.20	
		12	7	20.90	20.90	20.41	20.44	20.43	0.05	21.20		20.87	21.04	20.57	20.65	20.52	1.00	21.20	
		12	13	20.92	20.79	20.38	20.45	20.39	0.05	21.20		20.61	20.99	20.55	20.64	20.53	1.00	21.20	
		25	0	20.89	20.89	20.39	20.44	20.38	0.05	21.20		20.49	21.07	20.56	20.54	20.51	1.00	21.20	
	16QAM	1	0	20.75	20.88	20.54	20.32	20.39	0.05	21.20		20.37	20.99	20.52	20.67	20.43	1.00	21.20	
		1	12	20.79	20.87	20.51	20.28	20.39	0.05	21.20		20.71	20.87	20.45	20.76	20.33	1.00	21.20	
		1	24	20.87	20.78	20.51	20.37	20.32	0.05	21.20		20.87	20.89	20.51	20.74	20.37	1.00	21.20	
		12	0	19.89	19.87	19.43	19.43	19.39	1.05	20.20		19.41	20.06	19.53	19.66	19.54	2.00	20.20	
		12	7	19.93	19.84	19.46	19.41	19.41	1.05	20.20		19.61	20.11	19.56	19.74	19.57	2.00	20.20	
		12	13	19.92	19.73	19.44	19.51	19.36	1.05	20.20		19.67	20.02	19.51	19.67	19.54	2.00	20.20	
		25	0	19.86	19.91	19.44	19.41	19.44	1.05	20.20		19.47	20.03	19.56	19.54	19.54	2.00	20.20	
	64QAM	1	0	20.18	20.18	20.10	20.13	20.05	1.05	20.20		20.05	20.06	20.14	20.17	20.07	2.00	20.20	
		1	12	20.05	20.03	20.18	20.07	20.20	1.05	20.20		20.15	20.17	20.06	20.05	20.06	2.00	20.20	
		1	24	20.20	20.12	20.10	20.12	20.11	1.05	20.20		20.03	20.12	20.19	20.15	20.13	2.00	20.20	
		12	0	19.08	19.06	19.07	19.09	19.15	2.05	19.20		19.03	19.14	19.13	19.10	19.16	3.00	19.20	
		12	7	19.02	19.00	19.13	19.11	19.20	2.05	19.20		19.01	19.19	19.14	19.09	19.17	3.00	19.20	
		12	13	19.10	19.02	19.02	19.15	19.00	2.05	19.20		19.06	19.07	19.18	19.03	19.07	3.00	19.20	
		25	0	19.06	19.10	19.09	19.18	19.07	2.05	19.20		19.19	19.14	19.13	19.02	19.09	3.00	19.20	
	256QAM	1	0	17.18	17.18	17.13	17.02	17.04	4.05	17.20		17.16	17.02	17.19	17.14	17.19	5.00	17.20	
		1	12	17.04	17.11	17.14	17.00	17.16	4.05	17.20		17.17	17.15	17.05	17.12	17.09	5.00	17.20	
		1	24	17.13	17.16	17.12	17.14	17.19	4.05	17.20		17.09	17.02	17.15	17.14	17.08	5.00	17.20	
		12	0	17.07	17.11	17.13	17.15	17.11	4.05	17.20		17.07	17.03	17.13	17.20	17.16	5.00	17.20	
		12	7	17.08	17.01	17.03	17.02	17.19	4.05	17.20		17.13	17.11	17.09	17.08	17.06	5.00	17.20	
		12	13	17.07	17.09	17.01	17.19	17.07	4.05	17.20		17.13	17.05	17.03	17.06	17.09	5.00	17.20	
		25	0	17.14	17.16	17.19	17.20	17.10	4.05	17.20		17.18	17.20	17.15	17.10	17.14	5.00	17.20	

LTE Band 48 Measured Results (ANT7)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55340	55773	56207	56640	MFR	Tune-up Limit	55340	55773	56207	56640	MFR	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	25.34	25.11	24.99	24.79	0.00	25.70	21.45	21.26	21.07	20.95	0.00	21.50
		1	49	25.45	25.32	25.43	24.97	0.00	25.70	21.50	21.33	21.38	21.07	0.00	21.50
		1	99	25.21	25.04	24.88	24.70	0.00	25.70	21.33	21.13	20.99	20.88	0.00	21.50
		50	0	24.29	24.11	23.89	23.75	1.00	24.70	21.39	21.25	20.86	20.91	0.00	21.50
		50	24	24.45	24.45	24.50	24.11	1.00	24.70	21.50	21.50	21.33	21.17	0.00	21.50
		50	50	24.28	24.11	23.94	23.78	1.00	24.70	21.38	21.27	20.89	20.96	0.00	21.50
	16QAM	100	0	23.94	23.93	23.95	23.81	1.00	24.70	20.80	20.80	21.32	20.88	0.00	21.50
		1	0	24.45	24.13	23.88	23.91	1.00	24.70	21.20	21.23	20.91	20.64	0.00	21.50
		1	49	24.35	23.99	23.70	23.83	1.00	24.70	21.00	21.14	20.78	20.54	0.00	21.50
		1	99	24.34	24.04	23.75	23.84	1.00	24.70	21.02	21.15	20.82	20.61	0.00	21.50
		50	0	23.30	23.07	22.94	22.75	2.00	23.70	21.29	21.13	20.89	20.80	0.00	21.50
		50	24	23.36	23.12	22.97	22.83	2.00	23.70	21.31	21.20	20.98	20.87	0.00	21.50
	64QAM	50	50	23.32	23.09	22.93	22.81	2.00	23.70	21.28	21.15	20.92	20.83	0.00	21.50
		100	0	23.32	23.14	22.96	22.80	2.00	23.70	21.29	21.16	20.98	20.86	0.00	21.50
		1	0	22.83	22.80	22.89	22.81	2.00	23.70	21.18	21.21	21.11	21.19	0.00	21.50
		1	49	22.78	22.90	22.70	22.88	2.00	23.70	21.09	21.15	21.20	20.99	0.00	21.50
		1	99	22.70	22.70	22.79	22.71	2.00	23.70	21.15	21.24	21.23	21.01	0.00	21.50
		50	0	21.81	21.87	21.80	21.70	3.00	22.70	21.06	21.23	21.03	21.16	0.00	21.50
	256QAM	50	24	21.79	21.87	21.92	21.92	3.00	22.70	21.07	21.09	21.03	21.13	0.00	21.50
		50	50	21.84	21.86	21.88	21.70	3.00	22.70	21.17	21.01	21.13	21.12	0.00	21.50
		100	0	21.79	21.71	21.92	21.70	3.00	22.70	21.14	21.06	21.06	21.01	0.00	21.50
		1	0	19.71	19.70	19.70	19.82	5.00	20.70	20.40	20.20	20.40	20.26	0.80	20.70
		1	49	19.70	19.88	19.94	19.78	5.00	20.70	20.19	20.19	20.33	20.20	0.80	20.70
		1	99	19.70	19.70	19.70	19.81	5.00	20.70	20.40	20.19	20.38	20.15	0.80	20.70
15 MHz	QPSK	50	0	19.92	19.91	19.70	19.70	5.00	20.70	20.41	20.25	20.29	20.23	0.80	20.70
		50	24	19.81	19.77	19.95	19.77	5.00	20.70	20.17	20.25	20.22	20.29	0.80	20.70
		50	50	19.70	19.70	19.91	19.70	5.00	20.70	20.32	20.43	20.18	20.15	0.80	20.70
		100	0	19.87	19.83	19.95	19.91	5.00	20.70	20.27	20.18	20.32	20.19	0.80	20.70
	16QAM	1	0	25.35	25.13	24.85	24.78	0.00	25.70	21.12	21.02	21.17	21.00	0.00	21.50
		1	37	25.27	25.03	24.75	24.77	0.00	25.70	20.93	20.95	21.12	21.00	0.00	21.50
		1	74	25.31	25.11	25.00	24.83	0.00	25.70	21.25	21.02	21.18	21.20	0.00	21.50
		36	0	24.42	24.26	23.78	23.82	1.00	24.70	21.28	21.14	21.28	21.04	0.00	21.50
		36	20	24.41	24.24	23.82	23.80	1.00	24.70	21.29	21.12	21.32	21.07	0.00	21.50
		36	39	24.38	24.19	23.84	23.79	1.00	24.70	21.30	21.09	21.31	21.10	0.00	21.50
	64QAM	75	0	24.38	24.22	23.80	23.78	1.00	24.70	21.28	21.08	21.34	21.05	0.00	21.50
		1	0	24.41	24.13	23.90	23.90	1.00	24.70	21.24	21.13	21.26	21.14	0.00	21.50
		1	37	24.33	24.07	23.79	23.83	1.00	24.70	21.27	21.05	21.21	21.07	0.00	21.50
		1	74	24.37	24.15	24.05	23.91	1.00	24.70	21.13	21.07	21.29	21.34	0.00	21.50
		36	0	23.49	23.24	22.70	22.82	2.00	23.70	21.24	21.19	21.27	20.95	0.00	21.50
		36	20	23.42	23.20	22.77	22.80	2.00	23.70	21.25	21.13	21.32	21.01	0.00	21.50
	256QAM	36	39	23.40	23.17	22.78	22.81	2.00	23.70	21.28	21.14	21.33	21.05	0.00	21.50
		75	0	23.40	23.21	22.79	22.82	2.00	23.70	21.31	21.12	21.35	21.08	0.00	21.50
		1	0	23.00	22.77	22.99	22.93	2.00	23.70	21.09	21.16	21.11	21.13	0.00	21.50
		1	37	22.97	22.92	22.81	22.87	2.00	23.70	21.07	21.18	21.06	20.98	0.00	21.50
		1	74	22.92	22.94	22.83	22.77	2.00	23.70	21.22	20.96	21.14	21.04	0.00	21.50
		36	0	22.02	21.98	21.95	21.78	3.00	22.70	21.03	21.13	21.18	21.14	0.00	21.50
	16QAM	36	20	21.79	21.99	22.04	21.81	3.00	22.70	21.23	21.10	21.21	21.17	0.00	21.50
		36	39	22.04	21.84	21.98	22.03	3.00	22.70	21.17	21.20	21.08	20.99	0.00	21.50
		75	0	21.91	21.76	21.84	21.84	3.00	22.70	21.07	21.11	20.99	21.08	0.00	21.50
		1	0	19.89	19.93	19.90	20.04	5.00	20.70	20.15	20.19	20.21	20.20	0.80	20.70
		1	37	19.87	20.03	19.82	19.83	5.00	20.70	20.26	20.24	20.16	20.32	0.80	20.70
		1	74	19.91	20.02	20.00	19.78	5.00	20.70	20.20	20.16	20.26	20.35	0.80	20.70
	256QAM	36	0	20.04	19.88	20.00	19.78	5.00	20.70	20.36	20.33	20.19	20.38	0.80	20.70
		36	20	19.79	19.99	19.96	19.82	5.00	20.70	20.21	20.44	20.35	20.33	0.80	20.70
		36	39	20.03	20.01	20.03	19.84	5.00	20.70	20.18	20.27	20.18	20.32	0.80	20.70
		75	0	19.89	19.87	19.83	19.81	5.00	20.70	20.29	20.29	20.20	20.44	0.80	20.70

Notes:

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

LTE Band 48 Measured Results (ANT7) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55290	55757	56223	56690	MPR	Tune-up Limit	55290	55757	56223	56690	MPR	Tune-up Limit
				3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz			3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz		
10 MHz	QPSK	1	0	25.27	25.14	24.93	24.76	0.00	25.70	21.18	20.92	21.27	21.04	0.00	21.50
		1	25	25.32	25.09	24.86	24.83	0.00	25.70	21.07	21.01	21.17	21.00	0.00	21.50
		1	49	25.24	25.16	24.92	24.81	0.00	25.70	21.14	20.94	21.22	21.07	0.00	21.50
		25	0	24.42	24.30	24.06	23.81	1.00	24.70	21.32	21.09	20.96	21.16	0.00	21.50
		25	12	24.45	24.30	24.07	23.93	1.00	24.70	21.33	21.08	20.99	21.26	0.00	21.50
		25	25	24.41	24.26	24.02	23.87	1.00	24.70	21.28	21.14	20.95	21.22	0.00	21.50
	16QAM	50	0	24.43	24.25	24.03	23.85	1.00	24.70	21.30	21.10	21.35	21.15	0.00	21.50
		1	0	24.45	24.21	24.01	23.93	1.00	24.70	21.24	21.12	21.26	21.11	0.00	21.50
		1	25	24.33	24.12	23.94	23.89	1.00	24.70	21.13	21.07	21.12	21.06	0.00	21.50
		1	49	24.46	24.23	23.96	23.97	1.00	24.70	21.18	21.12	21.23	21.13	0.00	21.50
		25	0	23.46	23.26	23.07	22.83	2.00	23.70	21.33	21.11	20.95	21.18	0.00	21.50
		25	12	23.47	23.26	23.05	22.97	2.00	23.70	21.35	21.16	21.35	21.25	0.00	21.50
	64QAM	25	25	23.41	23.24	23.06	22.92	2.00	23.70	21.31	21.15	20.95	21.25	0.00	21.50
		50	0	23.45	23.26	23.06	22.85	2.00	23.70	21.33	21.18	21.33	21.19	0.00	21.50
		1	0	22.90	22.97	22.79	22.92	2.00	23.70	21.17	21.19	21.16	21.20	0.00	21.50
		1	25	23.03	22.94	22.87	22.92	2.00	23.70	21.01	21.08	20.97	21.24	0.00	21.50
		1	49	22.99	22.82	22.98	23.04	2.00	23.70	21.17	21.24	20.96	21.17	0.00	21.50
		25	0	21.96	21.78	21.81	22.05	3.00	22.70	21.08	21.02	21.15	21.03	0.00	21.50
	256QAM	25	12	21.93	21.85	21.85	22.02	3.00	22.70	21.00	20.96	21.01	21.05	0.00	21.50
		25	25	21.93	21.76	21.84	22.04	3.00	22.70	20.98	21.08	21.20	21.10	0.00	21.50
		50	0	21.86	22.04	22.04	21.76	3.00	22.70	21.09	21.00	21.11	21.03	0.00	21.50
		1	0	19.91	19.80	19.94	20.05	5.00	20.70	20.24	20.37	20.40	20.23	0.80	20.70
		1	25	19.81	19.76	20.05	19.86	5.00	20.70	20.43	20.36	20.30	20.25	0.80	20.70
		1	49	20.00	19.90	19.94	19.76	5.00	20.70	20.40	20.31	20.33	20.42	0.80	20.70
	25	0	19.76	19.79	19.76	19.86	5.00	20.70	20.27	20.35	20.20	20.39	0.80	20.70	
	25	12	20.02	20.00	19.76	19.77	5.00	20.70	20.17	20.17	20.28	20.19	0.80	20.70	
	25	25	19.80	19.97	19.99	19.97	5.00	20.70	20.28	20.40	20.30	20.16	0.80	20.70	
	50	0	19.84	19.89	19.82	19.98	5.00	20.70	20.21	20.19	20.30	20.17	0.80	20.70	
	BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)				
55265					55748	56232	56715	MPR	Tune-up Limit	55265	55748	56232	56715	MPR	Tune-up Limit
3552.5 MHz					3600.8 MHz	3649.2 MHz	3697.5 MHz			3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz		
5 MHz	QPSK	1	0	25.32	25.15	24.93	24.73	0.00	25.70	21.26	20.99	21.26	21.11	0.00	21.50
		1	12	25.19	25.13	24.80	24.70	0.00	25.70	21.15	20.92	21.16	21.09	0.00	21.50
		1	24	25.27	25.22	24.99	24.73	0.00	25.70	21.21	20.97	21.22	21.16	0.00	21.50
		12	0	24.44	24.20	23.92	23.81	1.00	24.70	21.31	21.08	20.95	21.20	0.00	21.50
		12	7	24.41	24.25	24.04	23.88	1.00	24.70	21.28	21.13	21.31	21.16	0.00	21.50
		12	13	24.40	24.22	24.02	23.88	1.00	24.70	21.25	21.12	21.33	21.20	0.00	21.50
	16QAM	25	0	24.40	24.26	24.02	23.90	1.00	24.70	21.29	21.11	21.34	21.20	0.00	21.50
		1	0	24.37	24.18	24.20	23.80	1.00	24.70	21.25	20.97	21.33	21.31	0.00	21.50
		1	12	24.21	24.18	24.09	23.70	1.00	24.70	21.30	20.91	21.25	21.25	0.00	21.50
		1	24	24.33	24.20	24.14	23.83	1.00	24.70	21.35	20.98	21.27	21.32	0.00	21.50
		12	0	23.44	23.27	22.96	22.90	2.00	23.70	21.32	21.14	21.29	21.21	0.00	21.50
		12	7	23.42	23.19	23.09	22.92	2.00	23.70	21.35	21.16	21.29	21.27	0.00	21.50
	64QAM	12	13	23.43	23.21	23.07	22.89	2.00	23.70	21.34	21.14	21.29	21.23	0.00	21.50
		25	0	23.43	23.27	23.01	22.88	2.00	23.70	21.28	21.12	20.96	21.24	0.00	21.50
		1	0	23.00	22.80	22.94	22.91	2.00	23.70	21.12	20.98	21.15	21.08	0.00	21.50
		1	12	22.85	22.93	22.98	22.92	2.00	23.70	21.10	21.01	21.23	21.11	0.00	21.50
		1	24	22.82	22.76	23.00	22.94	2.00	23.70	20.97	21.22	21.09	21.22	0.00	21.50
		12	0	21.80	21.91	22.01	21.81	3.00	22.70	21.22	21.04	21.08	21.22	0.00	21.50
	256QAM	12	7	21.91	21.79	21.86	22.01	3.00	22.70	21.16	21.23	20.99	21.22	0.00	21.50
		12	13	21.81	21.94	22.02	22.00	3.00	22.70	21.03	21.04	21.03	21.03	0.00	21.50
		25	0	22.00	21.98	21.81	21.86	3.00	22.70	21.19	21.11	21.13	21.12	0.00	21.50
		1	0	20.05	19.76	19.93	19.86	5.00	20.70	20.29	20.16	20.25	20.25	0.80	20.70
		1	12	19.83	19.89	19.75	19.86	5.00	20.70	20.20	20.28	20.38	20.37	0.80	20.70
		1	24	19.94	19.86	19.95	19.79	5.00	20.70	20.45	20.19	20.29	20.18	0.80	20.70
	12	0	19.78	19.83	19.81	19.97	5.00	20.70	20.20	20.33	20.35	20.17	0.80	20.70	
	12	7	19.94	19.81	20.02	19.81	5.00	20.70	20.36	20.24	20.29	20.29	0.80	20.70	
	12	13	20.04	19.83	19.80	20.04	5.00	20.70	20.32	20.30	20.36	20.22	0.80	20.70	
	25	0	19.97	20.04	19.97	20.02	5.00	20.70	20.30	20.34	20.18	20.21	0.80	20.70	

Notes:

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

LTE Band 48 Measured Results (ANT8)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55340	55773	56207	56640	MFR	Tune-up Limit	55340	55773	56207	56640	MFR	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	20.23	20.16	20.04	20.02	0.00	20.25	21.03	20.96	20.96	21.25	0.00	21.50
		1	49	20.24	20.17	20.16	20.25	0.00	20.25	21.23	21.04	21.07	21.28	0.00	21.50
		1	99	20.21	20.04	20.08	20.22	0.00	20.25	21.18	20.93	21.02	21.09	0.00	21.50
		50	0	20.19	20.13	20.10	20.09	0.00	20.25	21.11	21.20	20.50	21.24	0.00	21.50
		50	24	20.24	20.16	20.25	20.22	0.00	20.25	21.13	21.25	20.50	21.29	0.00	21.50
		50	50	19.98	20.04	20.04	20.18	0.00	20.25	21.12	21.04	20.50	21.07	0.00	21.50
		100	0	19.99	20.21	20.24	20.04	0.00	20.25	20.90	20.90	21.00	20.90	0.00	21.50
	16QAM	1	0	20.16	19.99	20.03	19.98	0.00	20.25	21.23	21.04	21.16	21.04	0.00	21.50
		1	49	20.06	19.96	20.19	20.12	0.00	20.25	21.26	21.06	21.17	21.20	0.00	21.50
		1	99	19.43	19.76	19.49	19.34	0.00	20.25	20.86	21.12	20.89	20.61	0.00	21.50
		50	0	19.26	19.32	19.28	19.31	0.00	20.25	20.04	20.09	19.98	19.89	1.00	20.50
		50	24	19.28	19.38	19.36	19.36	0.00	20.25	20.10	20.18	20.03	19.92	1.00	20.50
		50	50	19.26	19.36	19.30	19.33	0.00	20.25	20.06	20.15	19.99	19.93	1.00	20.50
		100	0	19.27	19.36	19.31	19.29	0.00	20.25	20.09	20.12	20.04	19.86	1.00	20.50
	64QAM	1	0	19.91	20.03	19.91	20.01	0.00	20.25	20.18	20.04	20.09	20.09	1.00	20.50
		1	49	20.02	19.98	19.97	19.90	0.00	20.25	20.05	20.04	20.19	20.15	1.00	20.50
		1	99	19.91	20.03	19.96	19.97	0.00	20.25	20.03	20.07	20.05	20.01	1.00	20.50
		50	0	19.36	19.44	19.36	19.46	0.75	19.50	19.25	19.19	19.12	19.23	2.00	19.50
		50	24	19.49	19.44	19.41	19.34	0.75	19.50	19.13	19.11	19.26	19.24	2.00	19.50
		50	50	19.49	19.43	19.32	19.50	0.75	19.50	19.16	19.16	19.30	19.21	2.00	19.50
		100	0	19.39	19.44	19.37	19.32	0.75	19.50	19.13	19.26	19.16	19.29	2.00	19.50
	256QAM	1	0	17.49	17.47	17.43	17.37	2.75	17.50	17.17	17.23	17.16	17.26	4.00	17.50
		1	49	17.40	17.43	17.36	17.45	2.75	17.50	17.23	17.27	17.20	17.13	4.00	17.50
		1	99	17.34	17.39	17.43	17.40	2.75	17.50	17.17	17.20	17.26	17.11	4.00	17.50
		50	0	17.39	17.36	17.47	17.35	2.75	17.50	17.27	17.14	17.30	17.12	4.00	17.50
		50	24	17.33	17.41	17.49	17.41	2.75	17.50	17.20	17.23	17.15	17.12	4.00	17.50
		50	50	17.31	17.42	17.45	17.45	2.75	17.50	17.23	17.19	17.10	17.18	4.00	17.50
		100	0	17.32	17.34	17.41	17.50	2.75	17.50	17.19	17.24	17.13	17.24	4.00	17.50
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315	55765	56215	56665	MFR	Tune-up Limit	55315	55765	56215	56665	MFR	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	19.51	19.51	19.47	19.45	0.00	20.25	21.26	21.41	21.32	21.19	0.00	21.50
		1	37	19.48	19.47	19.30	19.40	0.00	20.25	21.10	21.40	21.21	21.01	0.00	21.50
		1	74	19.52	19.55	19.58	19.46	0.00	20.25	21.48	21.45	21.32	21.33	0.00	21.50
		36	0	19.68	19.63	19.40	19.49	0.00	20.25	21.06	21.27	21.21	20.90	0.00	21.50
		36	20	19.63	19.73	19.37	19.48	0.00	20.25	21.09	21.37	21.18	20.91	0.00	21.50
		36	39	19.61	19.69	19.48	19.52	0.00	20.25	21.15	21.35	21.25	21.05	0.00	21.50
		75	0	19.58	19.69	19.42	19.46	0.00	20.25	21.13	21.33	21.17	20.95	0.00	21.50
	16QAM	1	0	19.61	19.60	19.55	19.52	0.00	20.25	21.14	21.30	21.16	21.04	0.00	21.50
		1	37	19.54	19.55	19.42	19.45	0.00	20.25	21.04	21.24	21.10	20.92	0.00	21.50
		1	74	19.63	19.62	19.72	19.50	0.00	20.25	21.32	21.32	21.16	21.23	0.00	21.50
		36	0	19.33	19.28	19.26	19.38	0.00	20.25	19.96	20.30	20.22	20.05	1.00	20.50
		36	20	19.28	19.31	19.26	19.38	0.00	20.25	20.04	20.35	20.17	19.93	1.00	20.50
		36	39	19.27	19.29	19.28	19.45	0.00	20.25	20.07	20.32	20.22	19.98	1.00	20.50
		75	0	19.28	19.31	19.27	19.36	0.00	20.25	20.09	20.35	20.18	19.96	1.00	20.50
	64QAM	1	0	20.04	19.92	20.02	19.93	0.00	20.25	20.32	20.34	20.25	20.32	1.00	20.50
		1	37	19.87	19.90	19.88	19.87	0.00	20.25	20.39	20.32	20.20	20.40	1.00	20.50
		1	74	20.02	20.03	19.95	19.97	0.00	20.25	20.32	20.28	20.38	20.37	1.00	20.50
		36	0	19.40	19.37	19.49	19.40	0.75	19.50	19.42	19.41	19.43	19.44	2.00	19.50
		36	20	19.35	19.36	19.42	19.35	0.75	19.50	19.42	19.33	19.40	19.44	2.00	19.50
		36	39	19.48	19.47	19.43	19.45	0.75	19.50	19.35	19.34	19.48	19.34	2.00	19.50
		75	0	19.32	19.36	19.37	19.36	0.75	19.50	19.39	19.34	19.41	19.31	2.00	19.50
	256QAM	1	0	17.49	17.35	17.45	17.50	2.75	17.50	17.46	17.43	17.34	17.43	4.00	17.50
		1	37	17.41	17.38	17.45	17.37	2.75	17.50	17.45	17.35	17.46	17.31	4.00	17.50
		1	74	17.42	17.46	17.30	17.36	2.75	17.50	17.42	17.34	17.39	17.46	4.00	17.50
		36	0	17.43	17.44	17.45	17.33	2.75	17.50	17.30	17.49	17.47	17.44	4.00	17.50
		36	20	17.39	17.45	17.31	17.31	2.75	17.50	17.43	17.42	17.34	17.47	4.00	17.50
		36	39	17.38	17.40	17.39	17.43	2.75	17.50	17.31	17.43	17.33	17.45	4.00	17.50
		75	0	17.40	17.43	17.37	17.35	2.75	17.50	17.42	17.35	17.37	17.46	4.00	17.50

Notes:

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

LTE Band 48 Measured Results (ANT8) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55290	55757	56223	56690	MPR	Tune-up Limit	55290	55757	56223	56690	MPR	Tune-up Limit
				3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz			3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz		
10 MHz	QPSK	1	0	19.41	19.64	19.49	19.34	0.00	20.25	21.30	21.37	21.38	21.22	0.00	21.50
		1	25	19.49	19.58	19.43	19.43	0.00	20.25	21.25	21.46	21.29	21.14	0.00	21.50
		1	49	19.45	19.66	19.50	19.39	0.00	20.25	21.32	21.45	21.37	21.25	0.00	21.50
		25	0	19.58	19.69	19.61	19.47	0.00	20.25	21.29	21.26	21.19	21.12	0.00	21.50
		25	12	19.57	19.78	19.68	19.56	0.00	20.25	21.30	21.38	21.29	21.20	0.00	21.50
		25	25	19.62	19.73	19.65	19.52	0.00	20.25	21.25	21.33	21.23	21.15	0.00	21.50
	16QAM	50	0	19.59	19.74	19.65	19.48	0.00	20.25	21.27	21.35	21.25	21.08	0.00	21.50
		1	0	19.63	19.62	19.58	19.58	0.00	20.25	21.21	21.34	21.19	21.11	0.00	21.50
		1	25	19.54	19.55	19.50	19.50	0.00	20.25	21.10	21.32	21.08	21.03	0.00	21.50
		1	49	19.64	19.65	19.57	19.57	0.00	20.25	21.17	21.39	21.19	21.07	0.00	21.50
		25	0	19.29	19.28	19.30	19.27	0.00	20.25	20.28	20.30	20.20	20.11	1.00	20.50
		25	12	19.33	19.33	19.41	19.37	0.00	20.25	20.31	20.39	20.25	20.23	1.00	20.50
	64QAM	25	25	19.28	19.33	19.36	19.25	0.00	20.25	20.29	20.34	20.26	20.17	1.00	20.50
		50	0	19.30	19.34	19.39	19.29	0.00	20.25	20.32	20.37	20.24	20.13	1.00	20.50
		1	0	19.86	19.95	19.94	19.89	0.00	20.25	20.33	20.31	20.23	20.29	1.00	20.50
		1	25	19.91	19.94	20.04	19.88	0.00	20.25	20.24	20.30	20.33	20.35	1.00	20.50
		1	49	20.01	19.99	19.95	19.96	0.00	20.25	20.36	20.25	20.30	20.31	1.00	20.50
		25	0	19.32	19.32	19.34	19.48	0.75	19.50	19.48	19.40	19.33	19.41	2.00	19.50
5 MHz	QPSK	25	12	19.38	19.36	19.32	19.43	0.75	19.50	19.49	19.37	19.33	19.31	2.00	19.50
		25	25	19.35	19.46	19.34	19.47	0.75	19.50	19.38	19.36	19.39	19.36	2.00	19.50
		50	0	19.40	19.37	19.31	19.32	0.75	19.50	19.49	19.45	19.50	19.38	2.00	19.50
	16QAM	1	0	17.42	17.38	17.42	17.31	2.75	17.50	17.47	17.47	17.44	17.44	4.00	17.50
		1	25	17.39	17.34	17.35	17.47	2.75	17.50	17.39	17.39	17.41	17.39	4.00	17.50
		1	49	17.43	17.41	17.46	17.34	2.75	17.50	17.40	17.36	17.32	17.34	4.00	17.50
		25	0	17.33	17.45	17.47	17.47	2.75	17.50	17.48	17.44	17.46	17.34	4.00	17.50
		25	12	17.49	17.36	17.35	17.30	2.75	17.50	17.36	17.42	17.35	17.33	4.00	17.50
		25	25	17.39	17.50	17.37	17.44	2.75	17.50	17.36	17.45	17.40	17.31	4.00	17.50
	256QAM	50	0	17.31	17.37	17.41	17.33	2.75	17.50	17.50	17.34	17.40	17.38	4.00	17.50
		1	0	19.58	19.59	19.55	19.47	0.00	20.25	21.36	21.46	21.34	21.21	0.00	21.50
	QPSK	1	12	19.49	19.54	19.48	19.43	0.00	20.25	21.26	21.39	21.37	21.14	0.00	21.50
		1	24	19.61	19.63	19.61	19.48	0.00	20.25	21.32	21.49	21.42	21.25	0.00	21.50
		12	0	19.69	19.80	19.55	19.43	0.00	20.25	21.13	21.29	21.12	21.06	0.00	21.50
		12	7	19.63	19.79	19.63	19.57	0.00	20.25	21.26	21.36	21.22	21.14	0.00	21.50
		12	13	19.65	19.76	19.67	19.55	0.00	20.25	21.29	21.35	21.29	21.13	0.00	21.50
	16QAM	25	0	19.65	19.76	19.60	19.56	0.00	20.25	21.27	21.35	21.18	21.16	0.00	21.50
		1	0	19.76	19.60	19.58	19.67	0.00	20.25	21.19	21.27	21.34	21.06	0.00	21.50
		1	12	19.68	19.50	19.57	19.56	0.00	20.25	21.04	21.24	21.33	20.93	0.00	21.50
		1	24	19.82	19.63	19.59	19.67	0.00	20.25	21.15	21.32	21.37	21.08	0.00	21.50
		12	0	19.28	19.40	19.26	19.56	0.00	20.25	20.32	20.25	20.20	20.19	1.00	20.50
		12	7	19.39	19.33	19.33	19.28	0.00	20.25	20.25	20.31	20.23	20.17	1.00	20.50
	64QAM	12	13	19.36	19.35	19.29	19.25	0.00	20.25	20.29	20.30	20.28	20.10	1.00	20.50
		25	0	19.27	19.36	19.30	19.33	0.00	20.25	20.28	20.35	20.21	20.09	1.00	20.50
		1	0	19.95	20.02	20.00	19.98	0.00	20.25	20.37	20.22	20.35	20.35	1.00	20.50
		1	12	19.86	19.95	19.85	19.94	0.00	20.25	20.26	20.20	20.37	20.24	1.00	20.50
		1	24	19.86	19.94	19.93	19.88	0.00	20.25	20.29	20.27	20.38	20.35	1.00	20.50
		12	0	19.34	19.34	19.42	19.49	0.75	19.50	19.39	19.41	19.39	19.34	2.00	19.50
5 MHz	256QAM	12	7	19.34	19.32	19.43	19.39	0.75	19.50	19.34	19.32	19.35	19.32	2.00	19.50
		12	13	19.38	19.31	19.32	19.48	0.75	19.50	19.32	19.43	19.40	19.48	2.00	19.50
		25	0	19.45	19.39	19.45	19.44	0.75	19.50	19.41	19.35	19.49	19.39	2.00	19.50
		1	0	17.30	17.36	17.44	17.36	2.75	17.50	17.45	17.38	17.49	17.42	4.00	17.50
		1	12	17.48	17.35	17.40	17.41	2.75	17.50	17.32	17.30	17.43	17.37	4.00	17.50
		1	24	17.46	17.30	17.40	17.37	2.75	17.50	17.41	17.43	17.36	17.38	4.00	17.50
	QPSK	12	0	17.34	17.36	17.43	17.30	2.75	17.50	17.37	17.47	17.42	17.32	4.00	17.50
		12	7	17.30	17.36	17.36	17.47	2.75	17.50	17.33	17.35	17.45	17.32	4.00	17.50
		12	13	17.37	17.33	17.41	17.38	2.75	17.50	17.39	17.44	17.42	17.33	4.00	17.50
		25	0	17.41	17.37	17.32	17.38	2.75	17.50	17.40	17.39	17.32	17.45	4.00	17.50

Notes:

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

LTE Band 48 Measured Results (ANT9)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55340	55773	56207	56640	MFR	Tune-up Limit	55340	55773	56207	56640	MFR	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	25.41	25.39	25.45	25.44	0.00	25.70	22.40	22.43	22.46	22.40	0.00	23.00
		1	49	25.46	25.40	25.53	25.46	0.00	25.70	22.80	22.80	22.78	22.60	0.00	23.00
		1	99	25.26	25.38	25.29	25.31	0.00	25.70	22.27	22.35	22.34	22.43	0.00	23.00
		50	0	24.20	24.34	24.25	24.30	1.00	24.70	22.43	22.28	22.54	22.43	0.00	23.00
		50	24	24.26	24.47	24.48	24.36	1.00	24.70	22.65	22.90	22.90	22.53	0.00	23.00
		50	50	24.30	24.24	24.42	24.31	1.00	24.70	22.47	22.31	22.36	22.37	0.00	23.00
	16QAM	100	0	24.20	24.24	24.30	24.25	1.00	24.70	22.51	22.45	22.91	22.28	0.00	23.00
		1	0	24.15	24.23	23.98	24.07	1.00	24.70	22.53	22.40	22.34	22.55	0.00	23.00
		1	49	23.96	23.97	23.95	24.25	1.00	24.70	22.50	22.54	22.32	22.43	0.00	23.00
		1	99	24.07	24.12	24.22	24.23	1.00	24.70	22.36	22.26	22.47	22.37	0.00	23.00
		50	0	23.13	23.01	23.17	23.25	2.00	23.70	22.55	22.41	22.53	22.49	0.00	23.00
		50	24	23.19	23.16	23.03	22.98	2.00	23.70	22.34	22.41	22.43	22.28	0.00	23.00
	64QAM	50	50	23.09	23.23	23.11	23.01	2.00	23.70	22.42	22.42	22.54	22.25	0.00	23.00
		100	0	23.11	23.12	22.98	22.99	2.00	23.70	22.51	22.28	22.34	22.42	0.00	23.00
		1	0	23.12	22.95	23.19	22.97	2.00	23.70	22.47	22.49	22.44	22.49	0.00	23.00
		1	49	23.17	23.14	23.08	23.09	2.00	23.70	22.39	22.43	22.37	22.46	0.00	23.00
		1	99	22.98	23.15	22.97	23.16	2.00	23.70	22.52	22.38	22.50	22.36	0.00	23.00
		50	0	21.96	22.05	22.03	22.21	3.00	22.70	22.01	22.17	22.03	22.12	0.30	22.70
	256QAM	50	24	22.06	22.05	22.18	22.17	3.00	22.70	22.14	22.07	22.22	22.19	0.30	22.70
		50	50	22.04	22.16	21.98	22.19	3.00	22.70	22.25	22.16	22.25	22.11	0.30	22.70
		100	0	22.05	22.04	22.11	22.17	3.00	22.70	22.02	21.99	22.18	22.20	0.30	22.70
		1	0	20.21	20.06	20.05	20.10	5.00	20.70	20.07	20.06	20.18	20.06	2.30	20.70
		1	49	20.23	20.11	20.04	20.03	5.00	20.70	20.06	20.14	20.12	20.01	2.30	20.70
		1	99	20.22	20.22	20.03	20.16	5.00	20.70	20.07	20.13	20.21	20.20	2.30	20.70
15 MHz	QPSK	50	0	20.19	20.12	20.22	20.25	5.00	20.70	19.97	20.10	19.97	20.03	2.30	20.70
		50	24	20.07	19.97	20.21	20.04	5.00	20.70	20.14	20.14	20.16	19.95	2.30	20.70
		50	50	20.24	20.02	20.22	20.01	5.00	20.70	20.05	19.96	19.99	20.19	2.30	20.70
		100	0	20.06	20.03	20.24	20.15	5.00	20.70	20.13	20.13	20.00	20.07	2.30	20.70
	16QAM	1	0	25.19	25.18	24.97	25.23	0.00	25.70	22.48	22.31	22.30	22.47	0.00	23.00
		1	37	25.16	25.04	25.02	25.12	0.00	25.70	22.45	22.28	22.39	22.33	0.00	23.00
		1	74	25.24	24.96	24.96	24.96	0.00	25.70	22.45	22.35	22.32	22.50	0.00	23.00
		36	0	24.19	24.18	24.10	24.02	1.00	24.70	22.31	22.25	22.40	22.46	0.00	23.00
		36	20	24.08	24.19	24.10	24.09	1.00	24.70	22.34	22.46	22.45	22.48	0.00	23.00
		36	39	24.07	24.00	23.98	24.17	1.00	24.70	22.41	22.33	22.34	22.52	0.00	23.00
	64QAM	75	0	23.97	23.97	24.13	24.14	1.00	24.70	22.46	22.30	22.44	22.34	0.00	23.00
		1	0	24.13	24.00	24.06	23.99	1.00	24.70	22.53	22.54	22.27	22.39	0.00	23.00
		1	37	24.15	23.98	24.14	24.14	1.00	24.70	22.36	22.54	22.50	22.39	0.00	23.00
		1	74	23.96	23.97	24.04	23.97	1.00	24.70	22.30	22.37	22.39	22.37	0.00	23.00
		36	0	23.06	23.18	22.96	23.14	2.00	23.70	22.30	22.27	22.39	22.45	0.00	23.00
		36	20	23.06	23.01	22.98	23.24	2.00	23.70	22.53	22.47	22.39	22.34	0.00	23.00
	256QAM	36	39	22.97	23.17	23.11	23.07	2.00	23.70	22.28	22.28	22.29	22.41	0.00	23.00
		75	0	23.03	23.04	22.96	22.96	2.00	23.70	22.46	22.37	22.37	22.44	0.00	23.00
		1	0	22.96	23.02	23.19	23.18	2.00	23.70	22.28	22.39	22.29	22.42	0.00	23.00
		1	37	23.01	23.23	23.05	22.96	2.00	23.70	22.54	22.33	22.26	22.33	0.00	23.00
		1	74	23.15	23.08	23.00	23.17	2.00	23.70	22.54	22.35	22.39	22.52	0.00	23.00
		36	0	22.06	22.11	22.04	21.98	3.00	22.70	22.11	21.97	21.97	22.02	0.30	22.70
15 MHz	64QAM	36	20	22.22	22.23	22.17	22.15	3.00	22.70	22.06	22.18	22.12	21.97	0.30	22.70
		36	39	22.23	22.25	22.04	22.23	3.00	22.70	22.18	22.01	22.12	22.09	0.30	22.70
		75	0	22.13	22.07	21.97	21.99	3.00	22.70	21.99	21.99	22.14	22.03	0.30	22.70
		1	0	20.17	20.02	20.25	20.06	5.00	20.70	20.06	20.09	20.10	20.06	2.30	20.70
		1	37	20.04	20.18	19.99	20.11	5.00	20.70	20.19	20.02	19.98	20.13	2.30	20.70
		1	74	19.96	20.02	20.07	20.08	5.00	20.70	20.22	20.08	20.24	20.03	2.30	20.70
	256QAM	36	0	20.02	20.12	19.99	20.01	5.00	20.70	19.97	20.10	20.08	20.21	2.30	20.70
		36	20	19.95	20.24	20.13	20.05	5.00	20.70	19.97	20.13	20.15	20.25	2.30	20.70
		36	39	20.05	20.21	20.22	20.08	5.00	20.70	20.04	20.04	20.25	20.03	2.30	20.70
		75	0	20.25	20.07	20.09	20.01	5.00	20.70	20.21	20.07	20.21	20.16	2.30	20.70

Notes:

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

LTE Band 48 Measured Results (ANT9) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						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	25.14	25.07	25.11	25.08	0.00	25.70	22.30	22.29	22.34	22.25	0.00	23.00
		1	25	24.98	24.98	25.08	25.04	0.00	25.70	22.38	22.33	22.38	22.49	0.00	23.00
		1	49	25.10	24.98	25.06	25.08	0.00	25.70	22.49	22.46	22.35	22.54	0.00	23.00
		25	0	23.95	24.00	24.05	23.96	1.00	24.70	22.29	22.27	22.53	22.27	0.00	23.00
		25	12	24.25	24.21	24.05	24.10	1.00	24.70	22.49	22.33	22.40	22.53	0.00	23.00
		25	25	24.17	24.00	24.16	24.16	1.00	24.70	22.27	22.47	22.51	22.28	0.00	23.00
	16QAM	50	0	24.19	24.14	24.22	24.00	1.00	24.70	22.33	22.28	22.54	22.49	0.00	23.00
		1	0	23.95	24.11	24.03	24.16	1.00	24.70	22.42	22.49	22.45	22.33	0.00	23.00
		1	25	24.14	23.95	23.97	24.13	1.00	24.70	22.32	22.38	22.28	22.47	0.00	23.00
		1	49	24.08	24.16	24.06	24.01	1.00	24.70	22.28	22.38	22.30	22.37	0.00	23.00
		25	0	22.99	23.12	23.16	23.22	2.00	23.70	22.37	22.50	22.40	22.47	0.00	23.00
		25	12	23.00	22.98	23.12	22.96	2.00	23.70	22.32	22.27	22.31	22.34	0.00	23.00
	64QAM	25	25	23.23	23.04	23.08	22.97	2.00	23.70	22.51	22.50	22.32	22.45	0.00	23.00
		50	0	23.04	23.01	23.22	23.05	2.00	23.70	22.26	22.44	22.44	22.27	0.00	23.00
		1	0	22.97	23.06	23.13	23.16	2.00	23.70	22.29	22.31	22.53	22.48	0.00	23.00
		1	25	23.19	23.08	23.10	23.02	2.00	23.70	22.35	22.50	22.44	22.42	0.00	23.00
		1	49	23.22	23.13	22.97	23.15	2.00	23.70	22.34	22.33	22.52	22.30	0.00	23.00
		25	0	22.14	22.08	21.98	22.06	3.00	22.70	22.01	22.05	22.02	22.23	0.30	22.70
5 MHz	QPSK	25	12	22.02	22.22	22.22	21.97	3.00	22.70	22.04	22.01	22.22	21.95	0.30	22.70
		25	25	21.97	22.01	22.23	22.04	3.00	22.70	22.05	22.22	22.14	22.11	0.30	22.70
		50	0	21.96	22.21	22.04	22.23	3.00	22.70	21.96	22.11	22.03	22.03	0.30	22.70
	16QAM	1	0	20.12	20.25	20.17	20.00	5.00	20.70	20.22	19.96	20.14	20.03	2.30	20.70
		1	25	20.25	20.24	20.16	20.18	5.00	20.70	20.01	20.06	20.11	20.05	2.30	20.70
		1	49	20.23	20.11	20.00	20.00	5.00	20.70	20.03	19.98	20.16	19.98	2.30	20.70
		25	0	20.11	20.02	20.10	20.22	5.00	20.70	20.15	19.97	20.18	19.95	2.30	20.70
		25	12	20.11	19.99	20.00	20.17	5.00	20.70	20.03	20.09	20.21	19.96	2.30	20.70
		25	25	20.01	20.04	20.12	20.19	5.00	20.70	19.99	20.08	20.12	20.18	2.30	20.70
	256QAM	50	0	20.10	20.13	20.14	19.99	5.00	20.70	20.07	20.21	20.22	20.25	2.30	20.70
		1	0	25.11	25.23	25.05	25.23	0.00	25.70	22.48	22.42	22.27	22.49	0.00	23.00
	QPSK	1	12	25.04	25.17	25.09	25.04	0.00	25.70	22.50	22.32	22.39	22.51	0.00	23.00
		1	24	25.06	25.20	25.11	25.00	0.00	25.70	22.48	22.32	22.50	22.54	0.00	23.00
		12	0	24.16	24.09	24.15	24.19	1.00	24.70	22.53	22.28	22.41	22.54	0.00	23.00
		12	7	24.20	24.20	24.13	24.09	1.00	24.70	22.37	22.46	22.29	22.46	0.00	23.00
	16QAM	12	13	24.21	24.10	24.21	24.08	1.00	24.70	22.41	22.46	22.30	22.47	0.00	23.00
		25	0	24.03	24.22	24.13	24.10	1.00	24.70	22.35	22.29	22.37	22.53	0.00	23.00
	64QAM	1	0	24.16	24.14	24.03	24.01	1.00	24.70	22.36	22.25	22.26	22.54	0.00	23.00
		1	12	24.19	24.12	24.23	23.96	1.00	24.70	22.48	22.41	22.48	22.46	0.00	23.00
		1	24	24.08	23.98	24.03	24.10	1.00	24.70	22.47	22.38	22.44	22.36	0.00	23.00
		12	0	23.01	23.24	23.12	23.25	2.00	23.70	22.30	22.36	22.33	22.47	0.00	23.00
5 MHz	QPSK	12	7	23.01	23.09	23.13	23.00	2.00	23.70	22.38	22.47	22.34	22.34	0.00	23.00
		12	13	23.08	23.05	23.06	23.07	2.00	23.70	22.29	22.31	22.54	22.27	0.00	23.00
		25	0	23.24	23.05	23.22	23.16	2.00	23.70	22.37	22.49	22.48	22.51	0.00	23.00
	16QAM	1	0	23.20	23.21	22.95	23.22	2.00	23.70	22.49	22.42	22.37	22.48	0.00	23.00
		1	12	23.18	23.05	23.11	23.03	2.00	23.70	22.38	22.31	22.51	22.50	0.00	23.00
		1	24	23.09	23.01	23.07	22.99	2.00	23.70	22.31	22.49	22.55	22.35	0.00	23.00
	64QAM	12	0	22.23	22.00	22.13	22.21	3.00	22.70	21.96	22.21	21.99	22.15	0.30	22.70
		12	7	22.17	22.16	22.15	21.96	3.00	22.70	21.97	22.00	22.22	22.01	0.30	22.70
		12	13	22.09	22.09	21.98	21.96	3.00	22.70	22.10	22.16	22.19	21.96	0.30	22.70
		25	0	22.01	22.15	21.98	22.14	3.00	22.70	22.05	22.20	21.98	22.05	0.30	22.70
	256QAM	1	0	20.13	20.02	20.14	20.11	5.00	20.70	20.09	20.13	20.20	19.95	2.30	20.70
		1	12	19.95	19.98	20.11	20.07	5.00	20.70	20.14	20.17	20.17	20.09	2.30	20.70
		1	24	19.99	20.08	20.21	20.25	5.00	20.70	20.15	20.10	20.07	20.15	2.30	20.70
		12	0	20.08	20.21	20.05	20.08	5.00	20.70	20.04	20.11	20.24	20.17	2.30	20.70
		12	7	20.25	20.09	20.21	19.99	5.00	20.70	20.14	20.22	20.02	20.16	2.30	20.70
		12	13	20.06	20.04	20.00	20.07	5.00	20.70	20.20	20.07	20.01	20.11	2.30	20.70
	256QAM	25	0	20.11	20.03	20.16	19.98	5.00	20.70	20.22	20.01	20.13	20.16	2.30	20.70

Notes:

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

LTE Band 48 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55340	55773	56207	56640	MFR	Tune-up Limit	55340	55773	56207	56640	MFR	Tune-up Limit
				3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	19.44	19.50	19.34	19.19	0.00	20.00	21.14	21.43	21.02	21.23	0.00	21.50
		1	49	19.55	19.61	19.61	19.50	0.00	20.00	21.23	21.44	21.10	21.27	0.00	21.50
		1	99	19.47	19.43	19.22	19.09	0.00	20.00	21.15	21.21	21.03	21.19	0.00	21.50
		50	0	19.70	19.51	19.25	19.14	0.00	20.00	21.11	21.16	21.06	21.26	0.00	21.50
		50	24	19.73	19.54	19.31	19.50	0.00	20.00	21.24	21.38	21.12	21.37	0.00	21.50
		50	50	19.70	19.51	19.29	19.17	0.00	20.00	21.14	21.16	21.34	21.23	0.00	21.50
	16QAM	100	0	19.22	19.13	19.30	19.21	0.00	20.00	21.23	21.11	21.31	21.28	0.00	21.50
		1	0	19.30	19.22	19.01	19.14	0.00	20.00	21.41	21.33	21.21	21.49	0.00	21.50
		1	49	19.30	19.07	19.00	19.06	0.00	20.00	21.32	21.36	21.21	21.40	0.00	21.50
		1	99	19.30	19.07	19.00	19.12	0.00	20.00	21.01	20.94	20.73	20.61	0.00	21.50
		50	0	19.33	19.19	19.17	19.07	0.00	20.00	20.24	20.32	20.50	20.26	1.00	20.50
		50	24	19.33	19.25	19.21	19.14	0.00	20.00	20.42	20.34	20.34	20.21	1.00	20.50
	64QAM	50	50	19.33	19.21	19.18	19.12	0.00	20.00	20.48	20.34	20.50	20.48	1.00	20.50
		100	0	19.33	19.23	19.19	19.09	0.00	20.00	20.37	20.44	20.31	20.23	1.00	20.50
		1	0	19.33	19.59	19.66	19.68	0.00	20.00	20.21	20.50	20.47	20.46	1.00	20.50
		1	49	19.33	19.66	19.85	19.62	0.00	20.00	20.28	20.42	20.24	20.45	1.00	20.50
		1	99	19.33	19.60	19.64	19.77	0.00	20.00	20.46	20.26	20.25	20.24	1.00	20.50
		50	0	19.01	19.12	19.26	19.08	0.50	19.50	19.32	19.25	19.45	19.30	2.00	19.50
	256QAM	50	24	19.07	19.09	19.17	19.16	0.50	19.50	19.21	19.50	19.50	19.45	2.00	19.50
		50	50	19.13	18.98	19.10	19.23	0.50	19.50	19.25	19.44	19.32	19.39	2.00	19.50
		100	0	19.11	19.17	19.16	19.19	0.50	19.50	19.27	19.27	19.36	19.44	2.00	19.50
		1	0	17.01	16.96	17.15	17.33	2.50	17.50	17.49	17.29	17.47	17.26	4.00	17.50
		1	49	16.92	17.04	17.19	17.28	2.50	17.50	17.31	17.46	17.41	17.48	4.00	17.50
		1	99	17.16	16.94	17.24	17.25	2.50	17.50	17.21	17.40	17.35	17.36	4.00	17.50
15 MHz	QPSK	50	0	17.11	17.10	17.28	17.09	2.50	17.50	17.47	17.31	17.30	17.44	4.00	17.50
		50	24	17.11	16.92	17.10	17.17	2.50	17.50	17.47	17.30	17.27	17.26	4.00	17.50
		50	50	16.96	16.94	17.19	17.34	2.50	17.50	17.25	17.33	17.33	17.50	4.00	17.50
		100	0	17.15	16.99	17.12	17.07	2.50	17.50	17.25	17.43	17.40	17.37	4.00	17.50
	16QAM	1	0	19.18	19.04	19.05	19.05	0.00	20.00	20.62	20.57	20.89	20.75	0.00	21.50
		1	37	19.11	19.00	19.00	19.05	0.00	20.00	20.92	20.51	20.80	20.66	0.00	21.50
		1	74	19.13	19.06	19.11	19.11	0.00	20.00	20.75	20.56	20.88	20.73	0.00	21.50
		36	0	19.29	19.24	19.00	19.16	0.00	20.00	20.65	20.66	20.96	20.85	0.00	21.50
		36	20	19.26	19.21	19.02	19.11	0.00	20.00	20.62	20.65	21.02	20.82	0.00	21.50
		36	39	19.22	19.18	19.10	19.10	0.00	20.00	20.78	20.63	21.01	20.78	0.00	21.50
	64QAM	75	0	19.23	19.21	19.11	19.11	0.00	20.00	20.77	20.62	21.03	20.79	0.00	21.50
		1	0	19.28	19.14	19.13	19.20	0.00	20.00	20.77	20.63	20.96	20.87	0.00	21.50
		1	37	19.21	19.06	19.01	19.20	0.00	20.00	20.61	20.61	20.88	20.88	0.00	21.50
		1	74	19.25	19.12	19.07	19.23	0.00	20.00	20.74	20.64	20.99	20.84	0.00	21.50
		36	0	19.33	19.23	19.00	19.18	0.00	20.00	20.26	20.44	20.32	20.47	1.00	20.50
		36	20	19.27	19.22	19.00	19.14	0.00	20.00	20.37	20.25	20.34	20.37	1.00	20.50
	256QAM	36	39	19.24	19.17	19.00	19.15	0.00	20.00	20.47	20.26	20.47	20.29	1.00	20.50
		75	0	19.28	19.21	19.00	19.14	0.00	20.00	20.41	20.23	20.27	20.29	1.00	20.50
		1	0	19.51	19.53	19.79	19.82	0.00	20.00	20.28	20.26	20.30	20.25	1.00	20.50
		1	37	19.43	19.52	19.65	19.78	0.00	20.00	20.30	20.25	20.43	20.25	1.00	20.50
		1	74	19.32	19.55	19.69	19.98	0.00	20.00	20.49	20.43	20.42	20.48	1.00	20.50
		36	0	18.87	19.15	19.27	19.23	0.50	19.50	19.27	19.37	19.37	19.25	2.00	19.50
15 MHz	64QAM	36	20	18.84	19.00	19.12	19.33	0.50	19.50	19.32	19.22	19.47	19.38	2.00	19.50
		36	39	18.88	18.93	19.07	19.37	0.50	19.50	19.50	19.34	19.45	19.47	2.00	19.50
		75	0	18.85	19.00	19.21	19.39	0.50	19.50	19.39	19.32	19.37	19.28	2.00	19.50
		1	0	16.94	16.93	17.33	17.27	2.50	17.50	17.33	17.41	17.43	17.21	4.00	17.50
		1	37	17.15	17.17	17.32	17.41	2.50	17.50	17.34	17.32	17.27	17.47	4.00	17.50
		1	74	16.99	17.17	17.32	17.21	2.50	17.50	17.48	17.35	17.43	17.37	4.00	17.50
	256QAM	36	0	17.18	17.19	17.06	17.30	2.50	17.50	17.36	17.33	17.50	17.36	4.00	17.50
		36	20	17.15	17.02	17.20	17.39	2.50	17.50	17.47	17.42	17.22	17.49	4.00	17.50
		36	39	16.98	17.11	17.27	17.32	2.50	17.50	17.37	17.29	17.40	17.45	4.00	17.50
		75	0	16.94	16.91	17.22	17.25	2.50	17.50	17.32	17.22	17.45	17.42	4.00	17.50

Notes:

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

LTE Band 48 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55290	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	19.25	19.12	19.19	19.00	0.00	20.00	20.69	20.65	20.97	20.78	0.00	21.50
		1	25	19.32	19.07	19.11	19.07	0.00	20.00	20.75	20.57	20.90	20.87	0.00	21.50
		1	49	19.23	19.12	19.15	19.01	0.00	20.00	20.70	20.63	20.96	20.83	0.00	21.50
		25	0	19.39	19.27	19.33	19.08	0.00	20.00	20.82	20.76	21.14	20.92	0.00	21.50
		25	12	19.34	19.27	19.33	19.20	0.00	20.00	20.74	20.79	21.14	21.02	0.00	21.50
		25	25	19.42	19.24	19.30	19.19	0.00	20.00	20.90	20.74	21.12	20.98	0.00	21.50
	16QAM	50	0	19.35	19.24	19.31	19.12	0.00	20.00	20.80	20.75	21.14	20.95	0.00	21.50
		1	0	19.42	19.13	19.25	19.17	0.00	20.00	20.84	20.63	21.04	20.95	0.00	21.50
		1	25	19.35	19.04	19.16	19.12	0.00	20.00	20.78	20.56	20.93	20.97	0.00	21.50
		1	49	19.42	19.14	19.21	19.24	0.00	20.00	20.88	20.64	21.03	21.03	0.00	21.50
		25	0	19.46	19.27	19.36	19.09	0.00	20.00	20.39	20.43	20.21	20.40	1.00	20.50
		25	12	19.51	19.27	19.38	19.19	0.00	20.00	20.27	20.23	20.35	20.28	1.00	20.50
	64QAM	25	25	19.46	19.24	19.31	19.24	0.00	20.00	20.23	20.32	20.45	20.47	1.00	20.50
		50	0	19.49	19.25	19.36	19.06	0.00	20.00	20.42	20.45	20.40	20.29	1.00	20.50
		1	0	19.57	19.52	19.86	19.90	0.00	20.00	20.34	20.46	20.28	20.45	1.00	20.50
		1	25	19.48	19.51	19.83	19.99	0.00	20.00	20.42	20.50	20.43	20.36	1.00	20.50
		1	49	19.48	19.43	19.95	19.77	0.00	20.00	20.45	20.40	20.41	20.25	1.00	20.50
		25	0	19.12	19.06	19.48	19.32	0.50	19.50	19.36	19.43	19.25	19.38	2.00	19.50
	256QAM	25	12	19.08	18.98	19.29	19.27	0.50	19.50	19.41	19.32	19.30	19.21	2.00	19.50
		25	25	19.19	18.98	19.47	19.27	0.50	19.50	19.47	19.37	19.38	19.27	2.00	19.50
		50	0	19.06	18.95	19.34	19.20	0.50	19.50	19.30	19.36	19.22	19.40	2.00	19.50
		1	0	16.96	17.06	17.26	17.23	2.50	17.50	17.35	17.41	17.46	17.42	4.00	17.50
		1	25	16.94	17.01	17.47	17.41	2.50	17.50	17.44	17.29	17.42	17.37	4.00	17.50
		1	49	17.20	17.14	17.29	17.49	2.50	17.50	17.38	17.28	17.29	17.42	4.00	17.50
5 MHz	QPSK	25	0	17.10	17.12	17.24	17.48	2.50	17.50	17.31	17.27	17.29	17.45	4.00	17.50
		25	12	17.17	16.90	17.25	17.32	2.50	17.50	17.36	17.48	17.24	17.30	4.00	17.50
		25	25	17.06	17.10	17.31	17.44	2.50	17.50	17.44	17.23	17.39	17.37	4.00	17.50
		50	0	17.00	17.04	17.27	17.47	2.50	17.50	17.24	17.32	17.41	17.25	4.00	17.50
	16QAM	1	0	19.41	19.15	19.24	19.09	0.00	20.00	21.17	20.74	20.62	20.99	0.00	21.50
		1	12	19.28	19.09	19.13	19.01	0.00	20.00	20.99	20.67	20.54	20.89	0.00	21.50
		1	24	19.37	19.19	19.23	19.09	0.00	20.00	21.07	20.74	20.63	20.98	0.00	21.50
		12	0	19.49	19.28	19.27	19.18	0.00	20.00	21.07	20.96	20.74	21.00	0.00	21.50
		12	7	19.45	19.24	19.23	19.20	0.00	20.00	21.07	20.93	20.64	20.99	0.00	21.50
		12	13	19.46	19.20	19.24	19.19	0.00	20.00	21.04	20.93	20.60	20.97	0.00	21.50
	64QAM	25	0	19.50	19.24	19.26	19.19	0.00	20.00	21.00	20.91	20.63	21.01	0.00	21.50
		1	0	19.40	19.17	19.40	19.10	0.00	20.00	21.13	20.76	20.59	21.15	0.00	21.50
		1	12	19.29	19.15	19.36	19.00	0.00	20.00	21.05	20.72	20.52	21.03	0.00	21.50
		1	24	19.38	19.21	19.41	19.14	0.00	20.00	21.11	20.74	20.61	21.08	0.00	21.50
		12	0	19.51	19.17	19.33	19.25	0.00	20.00	20.36	20.35	20.21	20.39	1.00	20.50
		12	7	19.46	19.18	19.35	19.23	0.00	20.00	20.21	20.37	20.22	20.46	1.00	20.50
	256QAM	12	13	19.47	19.17	19.31	19.25	0.00	20.00	20.27	20.20	20.43	20.35	1.00	20.50
		25	0	19.46	19.25	19.32	19.18	0.00	20.00	20.21	20.47	20.26	20.24	1.00	20.50
		1	0	19.53	19.42	19.74	19.74	0.00	20.00	20.28	20.42	20.42	20.39	1.00	20.50
		1	12	19.65	19.65	19.90	19.85	0.00	20.00	20.35	20.44	20.30	20.23	1.00	20.50
		1	24	19.70	19.69	19.82	19.86	0.00	20.00	20.25	20.29	20.39	20.45	1.00	20.50
		12	0	19.04	18.90	19.42	19.33	0.50	19.50	19.28	19.39	19.46	19.29	2.00	19.50
	64QAM	12	7	19.19	19.05	19.35	19.26	0.50	19.50	19.41	19.33	19.35	19.49	2.00	19.50
		12	13	19.06	19.13	19.22	19.43	0.50	19.50	19.26	19.41	19.42	19.33	2.00	19.50
		25	0	19.00	18.99	19.28	19.29	0.50	19.50	19.49	19.40	19.42	19.26	2.00	19.50
	256QAM	1	0	17.17	17.09	17.30	17.45	2.50	17.50	17.38	17.26	17.31	17.43	4.00	17.50
		1	12	17.07	17.09	17.43	17.30	2.50	17.50	17.25	17.34	17.50	17.41	4.00	17.50
		1	24	17.03	16.99	17.23	17.43	2.50	17.50	17.26	17.41	17.27	17.47	4.00	17.50
		12	0	16.96	17.14	17.37	17.28	2.50	17.50	17.38	17.44	17.45	17.22	4.00	17.50
	256QAM	12	7	16.94	16.98	17.20	17.26	2.50	17.50	17.50	17.44	17.21	17.44	4.00	17.50
		12	13	16.99	17.18	17.42	17.22	2.50	17.50	17.46	17.28	17.20	17.34	4.00	17.50
		25	0	16.93	17.06	17.23	17.25	2.50	17.50	17.22	17.42	17.38	17.50	4.00	17.50

Notes:

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

LTE Band 66 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132072	132322	132572	MPR	Tune-up Limit	132072	132322	132572	MPR	Tune-up Limit
				1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	25.23	25.23	25.18	0.00	25.70	18.30	18.23	18.21	0.00	18.50
		1	49	25.39	25.36	25.37	0.00	25.70	18.50	18.43	18.34	0.00	18.50
		1	99	25.14	25.13	25.12	0.00	25.70	18.31	18.24	18.05	0.00	18.50
		50	0	23.99	24.02	24.02	1.00	24.70	18.32	18.24	18.19	0.00	18.50
		50	24	24.27	24.30	24.22	1.00	24.70	18.50	18.45	18.40	0.00	18.50
		50	50	24.02	24.04	24.06	1.00	24.70	18.33	18.25	18.22	0.00	18.50
	16QAM	100	0	24.04	24.06	23.99	1.00	24.70	18.33	18.42	18.15	0.00	18.50
		1	0	24.34	24.26	24.40	1.00	24.70	18.34	18.26	18.25	0.00	18.50
		1	49	24.45	24.44	24.34	1.00	24.70	18.35	18.27	18.12	0.00	18.50
		1	99	24.45	24.40	24.33	1.00	24.70	18.35	18.27	18.13	0.00	18.50
		50	0	23.23	23.20	23.26	2.00	23.70	18.36	18.28	18.24	0.00	18.50
		50	24	23.30	23.29	23.26	2.00	23.70	18.36	18.29	18.26	0.00	18.50
	64QAM	50	50	23.25	23.25	23.29	2.00	23.70	18.37	18.29	18.25	0.00	18.50
		100	0	23.26	23.30	23.25	2.00	23.70	18.37	18.30	18.18	0.00	18.50
		1	0	22.76	22.70	22.80	2.00	23.70	18.16	18.02	18.14	0.00	18.50
		1	49	22.93	22.70	22.92	2.00	23.70	18.01	18.17	17.98	0.00	18.50
		1	99	22.70	22.79	22.70	2.00	23.70	18.03	17.99	17.90	0.00	18.50
		50	0	21.70	21.85	21.89	3.00	22.70	18.06	18.03	18.06	0.00	18.50
	256QAM	50	24	21.75	21.78	21.73	3.00	22.70	18.09	17.94	17.95	0.00	18.50
		50	50	21.72	21.78	21.77	3.00	22.70	18.07	18.17	18.04	0.00	18.50
		100	0	21.80	21.93	21.93	3.00	22.70	18.03	18.02	17.92	0.00	18.50
		1	0	19.75	19.86	19.78	5.00	20.70	18.03	17.99	18.11	0.00	18.50
		1	49	19.82	19.72	19.94	5.00	20.70	18.11	18.17	18.01	0.00	18.50
		1	99	19.72	19.90	19.70	5.00	20.70	18.17	17.92	17.94	0.00	18.50
15 MHz	QPSK	50	0	19.78	19.78	19.74	5.00	20.70	18.13	17.99	17.98	0.00	18.50
		50	24	19.74	19.85	19.93	5.00	20.70	18.14	17.92	18.05	0.00	18.50
		50	50	19.94	19.78	19.76	5.00	20.70	17.92	18.11	18.09	0.00	18.50
		100	0	19.70	19.88	19.84	5.00	20.70	18.05	17.99	17.92	0.00	18.50
	16QAM	1	0	25.13	25.19	25.21	0.00	25.70	18.08	18.28	18.23	0.00	18.50
		1	37	25.11	25.21	25.17	0.00	25.70	18.06	18.28	18.17	0.00	18.50
		1	74	25.09	25.18	25.13	0.00	25.70	18.04	18.29	18.17	0.00	18.50
		36	0	23.95	24.00	24.03	1.00	24.70	18.12	18.30	18.20	0.00	18.50
		36	20	24.03	24.10	24.05	1.00	24.70	18.23	18.30	18.23	0.00	18.50
		36	39	24.00	24.07	24.11	1.00	24.70	18.18	18.31	18.26	0.00	18.50
	64QAM	75	0	24.00	24.04	24.03	1.00	24.70	18.18	18.31	18.19	0.00	18.50
		1	0	24.37	24.43	23.99	1.00	24.70	18.10	18.32	18.27	0.00	18.50
		1	37	24.39	24.43	23.99	1.00	24.70	18.09	18.33	18.26	0.00	18.50
		1	74	24.35	24.16	23.96	1.00	24.70	18.07	18.33	18.22	0.00	18.50
		36	0	23.46	23.44	23.49	2.00	23.70	18.14	18.34	18.27	0.00	18.50
		36	20	23.55	23.55	23.53	2.00	23.70	18.24	18.34	18.28	0.00	18.50
	256QAM	36	39	23.50	23.50	23.54	2.00	23.70	18.19	18.35	18.28	0.00	18.50
		75	0	23.52	23.53	23.47	2.00	23.70	18.20	18.36	18.23	0.00	18.50
		1	0	23.14	23.04	22.94	2.00	23.70	18.11	18.12	18.05	0.00	18.50
		1	37	23.09	22.98	23.17	2.00	23.70	18.12	18.07	18.17	0.00	18.50
		1	74	22.95	23.11	23.01	2.00	23.70	18.12	18.08	18.07	0.00	18.50
		36	0	22.03	22.11	21.94	3.00	22.70	18.18	18.17	18.08	0.00	18.50
15 MHz	64QAM	36	20	21.99	22.00	22.07	3.00	22.70	17.99	18.17	18.00	0.00	18.50
		36	39	22.12	22.17	21.95	3.00	22.70	17.92	17.98	17.97	0.00	18.50
		75	0	21.98	22.17	22.06	3.00	22.70	18.05	18.17	18.04	0.00	18.50
	256QAM	1	0	19.96	19.97	20.18	5.00	20.70	18.07	18.14	18.14	0.00	18.50
		1	37	19.94	20.05	19.98	5.00	20.70	18.15	18.06	18.03	0.00	18.50
		1	74	20.13	19.91	19.93	5.00	20.70	18.01	17.98	17.97	0.00	18.50
	256QAM	36	0	19.98	19.94	20.00	5.00	20.70	18.05	18.15	17.93	0.00	18.50
		36	20	19.91	20.12	19.96	5.00	20.70	18.02	18.06	18.03	0.00	18.50
		36	39	19.94	19.94	20.14	5.00	20.70	18.17	17.94	18.06	0.00	18.50
		75	0	20.20	19.98	20.15	5.00	20.70	18.18	18.11	17.96	0.00	18.50

LTE Band 66 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132022	132322	132622	MPR	Tune-up Limit	132022	132322	132622	MPR	Tune-up Limit
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	25.20	25.12	25.24	0.00	25.70	18.16	18.13	18.25	0.00	18.50
		1	25	25.12	25.09	25.16	0.00	25.70	18.06	18.11	18.20	0.00	18.50
		1	49	25.11	25.04	25.21	0.00	25.70	18.10	18.05	18.16	0.00	18.50
		25	0	24.04	23.98	24.06	1.00	24.70	18.25	18.19	18.22	0.00	18.50
		25	12	24.03	24.09	24.08	1.00	24.70	18.23	18.28	18.21	0.00	18.50
		25	25	23.98	24.01	24.07	1.00	24.70	18.16	18.22	18.25	0.00	18.50
	16QAM	50	0	24.00	24.07	24.03	1.00	24.70	18.21	18.25	18.22	0.00	18.50
		1	0	24.42	24.08	24.07	1.00	24.70	18.19	18.28	18.30	0.00	18.50
		1	25	24.35	24.02	23.98	1.00	24.70	18.09	18.21	18.27	0.00	18.50
		1	49	24.31	24.01	23.99	1.00	24.70	18.09	18.21	18.23	0.00	18.50
		25	0	23.54	23.56	23.55	2.00	23.70	18.28	18.29	18.32	0.00	18.50
		25	12	23.55	23.65	23.53	2.00	23.70	18.26	18.39	18.28	0.00	18.50
	64QAM	25	25	23.48	23.59	23.57	2.00	23.70	18.22	18.35	18.29	0.00	18.50
		50	0	23.51	23.56	23.47	2.00	23.70	18.21	18.30	18.26	0.00	18.50
		1	0	23.15	23.10	23.09	2.00	23.70	17.97	18.01	18.15	0.00	18.50
		1	25	22.91	23.13	23.17	2.00	23.70	18.11	17.98	18.03	0.00	18.50
		1	49	23.06	23.12	23.16	2.00	23.70	18.18	18.20	18.06	0.00	18.50
		25	0	22.10	21.90	22.10	3.00	22.70	18.18	17.93	18.12	0.00	18.50
	256QAM	25	12	22.11	22.06	22.12	3.00	22.70	18.07	18.09	17.91	0.00	18.50
		25	25	22.03	21.97	22.08	3.00	22.70	18.07	18.12	17.92	0.00	18.50
		50	0	21.91	22.15	22.01	3.00	22.70	18.16	18.19	18.10	0.00	18.50
		1	0	19.99	20.11	20.16	5.00	20.70	18.05	18.19	18.03	0.00	18.50
		1	25	20.04	19.98	20.19	5.00	20.70	18.12	18.05	17.98	0.00	18.50
		1	49	20.02	19.95	20.00	5.00	20.70	18.03	18.11	17.90	0.00	18.50
5 MHz	QPSK	25	0	20.16	19.97	20.18	5.00	20.70	18.10	17.97	18.14	0.00	18.50
		25	12	19.94	19.94	20.10	5.00	20.70	18.10	17.99	17.95	0.00	18.50
		25	25	19.96	20.18	20.12	5.00	20.70	18.18	18.14	17.94	0.00	18.50
		50	0	19.94	20.00	20.03	5.00	20.70	17.94	18.13	17.96	0.00	18.50
	16QAM	1	0	25.13	25.16	25.35	0.00	25.70	18.25	18.14	18.19	0.00	18.50
		1	12	25.18	25.22	25.33	0.00	25.70	18.18	18.19	18.23	0.00	18.50
		1	24	25.09	25.20	25.28	0.00	25.70	18.17	18.17	18.12	0.00	18.50
		12	0	24.03	24.05	24.09	1.00	24.70	18.20	18.28	18.24	0.00	18.50
		12	7	24.04	24.10	24.11	1.00	24.70	18.24	18.27	18.31	0.00	18.50
		12	13	24.01	24.06	24.05	1.00	24.70	18.16	18.22	18.25	0.00	18.50
	64QAM	25	0	24.02	24.03	24.09	1.00	24.70	18.23	18.27	18.25	0.00	18.50
		1	0	24.37	24.10	24.26	1.00	24.70	18.38	18.33	18.34	0.00	18.50
		1	12	24.33	24.14	24.21	1.00	24.70	18.37	18.38	18.39	0.00	18.50
		1	24	24.33	24.16	24.19	1.00	24.70	18.36	18.37	18.31	0.00	18.50
		12	0	23.62	23.56	23.61	2.00	23.70	18.31	18.35	18.43	0.00	18.50
		12	7	23.63	23.61	23.62	2.00	23.70	18.33	18.33	18.45	0.00	18.50
	256QAM	12	13	23.58	23.57	23.59	2.00	23.70	18.32	18.28	18.40	0.00	18.50
		25	0	23.53	23.45	23.57	2.00	23.70	18.22	18.24	18.38	0.00	18.50
		1	0	23.06	23.01	22.96	2.00	23.70	18.11	17.95	18.00	0.00	18.50
		1	12	23.19	23.01	23.09	2.00	23.70	17.96	18.01	18.14	0.00	18.50
		1	24	22.91	22.95	23.05	2.00	23.70	17.98	18.00	18.12	0.00	18.50
		12	0	22.13	21.96	22.08	3.00	22.70	17.92	17.90	17.97	0.00	18.50
	64QAM	12	7	21.95	22.02	22.12	3.00	22.70	18.04	18.17	17.96	0.00	18.50
		12	13	21.95	22.04	21.91	3.00	22.70	17.96	17.98	18.02	0.00	18.50
		25	0	22.11	22.12	22.10	3.00	22.70	17.93	18.07	17.96	0.00	18.50
		1	0	20.01	20.02	20.07	5.00	20.70	18.15	18.17	17.97	0.00	18.50
		1	12	20.16	20.16	20.03	5.00	20.70	17.97	17.95	18.19	0.00	18.50
		1	24	19.93	20.08	20.19	5.00	20.70	18.02	17.92	18.07	0.00	18.50
	256QAM	12	0	19.98	20.08	20.05	5.00	20.70	17.99	18.10	18.17	0.00	18.50
		12	7	20.07	20.06	19.95	5.00	20.70	18.19	17.90	18.06	0.00	18.50
		12	13	20.12	19.96	20.14	5.00	20.70	18.16	18.13	18.01	0.00	18.50
		25	0	20.19	20.01	20.01	5.00	20.70	17.98	17.99	17.98	0.00	18.50

LTE Band 66 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131987	132322	132657	MPR	Tune-up Limit	131987	132322	132657	MPR	Tune-up Limit
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	25.18	25.12	25.19	0.00	25.70	18.09	18.08	18.19	0.00	18.50
		1	8	25.17	25.10	25.15	0.00	25.70	18.04	18.10	18.19	0.00	18.50
		1	14	25.12	25.14	25.20	0.00	25.70	18.11	18.10	18.21	0.00	18.50
		8	0	24.01	24.04	24.07	1.00	24.70	18.18	18.22	18.26	0.00	18.50
		8	4	24.00	24.05	24.09	1.00	24.70	18.24	18.26	18.28	0.00	18.50
		8	7	24.02	24.05	24.09	1.00	24.70	18.22	18.28	18.30	0.00	18.50
	16QAM	15	0	24.02	24.01	24.06	1.00	24.70	18.21	18.23	18.25	0.00	18.50
		1	0	24.40	24.08	24.01	1.00	24.70	18.15	18.25	18.37	0.00	18.50
		1	8	24.31	24.03	23.91	1.00	24.70	18.09	18.24	18.35	0.00	18.50
		1	14	24.38	24.05	23.94	1.00	24.70	18.10	18.27	18.35	0.00	18.50
		8	0	23.53	23.57	23.62	2.00	23.70	18.32	18.26	18.34	0.00	18.50
		8	4	23.57	23.59	23.64	2.00	23.70	18.36	18.31	18.37	0.00	18.50
	64QAM	8	7	23.58	23.56	23.67	2.00	23.70	18.35	18.34	18.38	0.00	18.50
		15	0	23.52	23.49	23.55	2.00	23.70	18.26	18.20	18.31	0.00	18.50
		1	0	22.94	23.12	22.99	2.00	23.70	17.93	18.15	18.12	0.00	18.50
		1	8	23.05	22.97	23.17	2.00	23.70	18.19	18.03	17.98	0.00	18.50
		1	14	23.19	22.92	23.14	2.00	23.70	18.12	18.14	18.06	0.00	18.50
		8	0	22.06	22.19	22.03	3.00	22.70	18.03	18.01	18.02	0.00	18.50
	256QAM	8	4	21.98	22.03	22.02	3.00	22.70	18.00	18.03	18.15	0.00	18.50
		8	7	22.17	22.20	22.13	3.00	22.70	18.09	18.06	17.95	0.00	18.50
		15	0	22.01	22.13	21.94	3.00	22.70	18.12	18.18	18.14	0.00	18.50
		1	0	20.08	20.09	20.09	5.00	20.70	18.02	17.90	18.02	0.00	18.50
		1	8	20.09	19.92	20.08	5.00	20.70	17.99	18.15	18.00	0.00	18.50
		1	14	19.95	20.03	20.12	5.00	20.70	18.13	17.99	18.16	0.00	18.50
1.4 MHz	QPSK	8	0	19.94	19.97	20.16	5.00	20.70	18.16	18.09	18.13	0.00	18.50
		8	4	20.19	20.11	20.12	5.00	20.70	18.08	18.12	18.07	0.00	18.50
		8	7	20.19	20.11	20.16	5.00	20.70	18.14	18.15	17.97	0.00	18.50
		15	0	20.08	20.07	20.05	5.00	20.70	18.02	18.15	18.07	0.00	18.50
	16QAM	1	0	24.92	25.00	25.15	0.00	25.70	18.01	18.12	18.16	0.00	18.50
		1	3	25.15	25.16	24.96	0.00	25.70	18.07	18.14	18.21	0.00	18.50
		1	5	24.99	25.02	24.99	0.00	25.70	18.03	18.12	18.14	0.00	18.50
		3	0	24.91	24.90	24.96	0.00	25.70	18.03	18.12	18.09	0.00	18.50
		3	1	25.18	25.09	25.07	0.00	25.70	18.09	18.16	18.15	0.00	18.50
		3	3	25.04	24.93	25.05	0.00	25.70	18.10	18.15	18.16	0.00	18.50
	64QAM	6	0	24.15	24.02	24.10	1.00	24.70	18.14	18.18	18.21	0.00	18.50
		1	0	23.92	23.91	24.18	1.00	24.70	18.15	18.37	18.29	0.00	18.50
		1	3	24.10	24.02	24.16	1.00	24.70	18.22	18.42	18.37	0.00	18.50
		1	5	24.12	24.17	24.19	1.00	24.70	18.17	18.34	18.31	0.00	18.50
		3	0	23.91	24.01	24.14	1.00	24.70	18.33	18.36	18.29	0.00	18.50
		3	1	24.15	23.93	24.18	1.00	24.70	18.37	18.40	18.32	0.00	18.50
	256QAM	3	3	24.03	24.12	24.02	1.00	24.70	18.39	18.39	18.31	0.00	18.50
		6	0	23.06	23.17	23.18	2.00	23.70	18.32	18.09	18.37	0.00	18.50
		1	0	23.03	23.11	23.04	2.00	23.70	17.93	18.07	18.17	0.00	18.50
		1	3	23.04	22.95	23.11	2.00	23.70	17.98	18.13	17.95	0.00	18.50
		1	5	23.04	23.03	23.15	2.00	23.70	18.01	17.98	18.18	0.00	18.50
		3	0	22.97	23.06	22.96	2.00	23.70	18.04	17.94	17.97	0.00	18.50
1.4 MHz	64QAM	3	1	23.17	23.15	23.18	2.00	23.70	18.15	18.14	18.18	0.00	18.50
		3	3	22.98	23.06	23.03	2.00	23.70	18.10	17.96	17.93	0.00	18.50
		6	0	22.01	22.12	22.14	3.00	22.70	18.15	18.16	18.04	0.00	18.50
		1	0	20.12	20.15	19.97	5.00	20.70	18.20	18.01	18.13	0.00	18.50
		1	3	20.16	19.93	20.14	5.00	20.70	18.00	18.17	18.18	0.00	18.50
		1	5	20.07	20.12	19.99	5.00	20.70	18.15	18.10	18.00	0.00	18.50
	256QAM	3	0	20.05	20.03	19.97	5.00	20.70	17.93	17.92	17.94	0.00	18.50
		3	1	20.19	20.17	20.03	5.00	20.70	17.91	18.02	18.14	0.00	18.50
		3	3	20.13	20.08	20.18	5.00	20.70	18.15	18.17	17.98	0.00	18.50
		6	0	19.96	19.96	20.13	5.00	20.70	18.13	18.13	18.17	0.00	18.50

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	19.00	19.00	19.00	0.00	20.00	17.76	17.66	17.52	0.00	18.25
		1	49	19.50	19.50	19.50	0.00	20.00	17.96	18.11	18.01	0.00	18.25
		1	99	19.00	19.00	19.00	0.00	20.00	17.52	17.48	17.37	0.00	18.25
		50	0	19.31	19.25	19.44	0.00	20.00	17.63	17.61	17.50	0.00	18.25
		50	24	19.50	19.50	19.50	0.00	20.00	17.99	18.14	18.06	0.00	18.25
		50	50	19.38	19.23	19.34	0.00	20.00	17.73	17.74	17.40	0.00	18.25
	16QAM	100	0	19.25	19.40	19.46	0.00	20.00	17.73	18.13	17.36	0.00	18.25
		1	0	19.43	19.50	19.43	0.00	20.00	17.95	18.05	17.85	0.00	18.25
		1	49	19.43	19.34	19.23	0.00	20.00	17.96	18.01	17.90	0.00	18.25
		1	99	19.21	19.36	19.29	0.00	20.00	17.92	17.75	17.72	0.00	18.25
		50	0	19.25	19.26	19.44	0.00	20.00	17.60	17.41	17.29	0.00	18.25
		50	24	19.50	19.45	19.31	0.00	20.00	17.64	17.47	17.35	0.00	18.25
	64QAM	50	50	19.28	19.27	19.36	0.00	20.00	17.53	17.42	17.33	0.00	18.25
		100	0	19.38	19.23	19.20	0.00	20.00	17.56	17.47	17.29	0.00	18.25
		1	0	19.33	19.29	19.40	0.00	20.00	17.94	17.81	17.85	0.00	18.25
		1	49	19.21	19.49	19.22	0.00	20.00	18.00	17.86	17.90	0.00	18.25
		1	99	19.38	19.37	19.22	0.00	20.00	17.92	17.86	17.89	0.00	18.25
		50	0	19.24	19.32	19.28	0.00	20.00	18.02	17.98	17.82	0.00	18.25
	256QAM	50	24	19.28	19.21	19.34	0.00	20.00	18.09	17.88	18.01	0.00	18.25
		50	50	19.35	19.31	19.36	0.00	20.00	17.87	18.09	17.88	0.00	18.25
		100	0	19.22	19.25	19.32	0.00	20.00	17.91	17.88	18.01	0.00	18.25
		1	0	17.33	17.46	17.52	1.90	18.10	17.72	17.70	17.78	0.15	18.10
		1	49	17.30	17.43	17.58	1.90	18.10	17.92	17.82	17.73	0.15	18.10
		1	99	17.56	17.58	17.42	1.90	18.10	17.66	17.72	17.82	0.15	18.10
15 MHz	QPSK	50	0	17.57	17.42	17.57	1.90	18.10	17.81	17.85	17.89	0.15	18.10
		50	24	17.50	17.53	17.33	1.90	18.10	17.69	17.70	17.67	0.15	18.10
		50	50	17.57	17.32	17.41	1.90	18.10	17.89	17.75	17.94	0.15	18.10
		100	0	17.40	17.41	17.39	1.90	18.10	17.77	17.83	17.73	0.15	18.10
	16QAM	1	0	19.00	19.00	19.00	0.00	20.00	17.49	17.51	17.51	0.00	18.25
		1	37	19.00	19.00	19.00	0.00	20.00	17.43	17.54	17.36	0.00	18.25
		1	74	19.00	19.00	19.00	0.00	20.00	17.41	17.38	18.25	0.00	18.25
		36	0	19.20	19.21	19.33	0.00	20.00	17.50	17.52	17.40	0.00	18.25
		36	20	19.28	19.37	19.25	0.00	20.00	17.60	17.59	17.38	0.00	18.25
		36	39	19.28	19.37	19.21	0.00	20.00	17.63	17.56	17.41	0.00	18.25
		75	0	19.24	19.22	19.28	0.00	20.00	17.50	17.55	17.34	0.00	18.25
		1	0	19.22	19.34	19.24	0.00	20.00	17.92	17.94	17.38	0.00	18.25
	64QAM	1	37	19.41	19.48	19.37	0.00	20.00	17.93	17.82	17.36	0.00	18.25
		1	74	19.25	19.40	19.35	0.00	20.00	17.90	17.86	17.30	0.00	18.25
		36	0	19.33	19.23	19.36	0.00	20.00	17.60	17.41	17.41	0.00	18.25
		36	20	19.24	19.31	19.49	0.00	20.00	17.68	17.57	17.38	0.00	18.25
		36	39	19.31	19.22	19.24	0.00	20.00	17.58	17.44	17.50	0.00	18.25
		75	0	19.22	19.29	19.20	0.00	20.00	17.67	17.45	17.51	0.00	18.25
		1	0	19.36	19.47	19.30	0.00	20.00	17.84	17.97	18.04	0.00	18.25
		1	37	19.31	19.27	19.26	0.00	20.00	17.97	17.97	17.83	0.00	18.25
	256QAM	1	74	19.28	19.45	19.23	0.00	20.00	18.02	18.08	17.83	0.00	18.25
		36	0	19.22	19.22	19.25	0.00	20.00	18.00	17.91	17.94	0.00	18.25
		36	20	19.33	19.44	19.40	0.00	20.00	18.05	17.90	18.03	0.00	18.25
		36	39	19.43	19.20	19.48	0.00	20.00	17.98	17.88	17.92	0.00	18.25
		75	0	19.37	19.32	19.39	0.00	20.00	17.91	18.08	17.90	0.00	18.25
		1	0	17.52	17.55	17.59	1.90	18.10	17.67	17.86	17.94	0.15	18.10
		1	37	17.43	17.41	17.53	1.90	18.10	17.75	17.66	17.90	0.15	18.10
		1	74	17.33	17.32	17.36	1.90	18.10	17.79	17.75	17.66	0.15	18.10
	256QAM	36	0	17.49	17.37	17.55	1.90	18.10	17.92	17.72	17.94	0.15	18.10
		36	20	17.36	17.33	17.58	1.90	18.10	17.91	17.72	17.82	0.15	18.10
		36	39	17.47	17.47	17.51	1.90	18.10	17.75	17.77	17.70	0.15	18.10
		75	0	17.55	17.36	17.38	1.90	18.10	17.66	17.78	17.73	0.15	18.10

LTE Band 66 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132022	132322	132622	MPR	Tune-up Limit	132022	132322	132622	MPR	Tune-up Limit
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	19.00	19.00	19.00	0.00	20.00	17.62	17.34	17.57	0.00	18.25
		1	25	19.00	19.00	19.00	0.00	20.00	17.52	17.42	17.40	0.00	18.25
		1	49	19.00	19.00	19.00	0.00	20.00	17.52	17.50	17.43	0.00	18.25
		25	0	19.21	19.26	19.36	0.00	20.00	17.68	17.49	17.56	0.00	18.25
		25	12	19.30	19.29	19.41	0.00	20.00	17.61	17.57	17.58	0.00	18.25
		25	25	19.29	19.39	19.37	0.00	20.00	17.52	17.48	17.50	0.00	18.25
	16QAM	50	0	19.47	19.26	19.30	0.00	20.00	17.58	17.58	17.41	0.00	18.25
		1	0	19.37	19.41	19.40	0.00	20.00	17.97	17.53	17.62	0.00	18.25
		1	25	19.26	19.36	19.24	0.00	20.00	17.86	17.61	17.48	0.00	18.25
		1	49	19.37	19.35	19.25	0.00	20.00	17.81	17.58	17.46	0.00	18.25
		25	0	19.49	19.50	19.32	0.00	20.00	17.63	17.51	17.57	0.00	18.25
		25	12	19.21	19.35	19.20	0.00	20.00	17.60	17.59	17.61	0.00	18.25
	64QAM	25	25	19.43	19.48	19.32	0.00	20.00	17.59	17.58	17.68	0.00	18.25
		50	0	19.27	19.49	19.44	0.00	20.00	17.69	17.54	17.67	0.00	18.25
		1	0	19.20	19.38	19.24	0.00	20.00	17.95	17.96	17.87	0.00	18.25
		1	25	19.38	19.32	19.32	0.00	20.00	17.87	18.06	17.97	0.00	18.25
		1	49	19.41	19.24	19.29	0.00	20.00	17.98	18.10	17.82	0.00	18.25
		25	0	19.21	19.45	19.49	0.00	20.00	18.05	17.88	18.03	0.00	18.25
	256QAM	25	12	19.44	19.28	19.30	0.00	20.00	17.94	17.89	17.95	0.00	18.25
		25	25	19.43	19.29	19.36	0.00	20.00	17.91	17.94	17.97	0.00	18.25
		50	0	19.39	19.24	19.26	0.00	20.00	18.04	17.83	18.02	0.00	18.25
		1	0	17.31	17.39	17.51	1.90	18.10	17.77	17.72	17.82	0.15	18.10
		1	25	17.59	17.60	17.32	1.90	18.10	17.89	17.68	17.68	0.15	18.10
		1	49	17.33	17.50	17.48	1.90	18.10	17.70	17.94	17.80	0.15	18.10
		25	0	17.58	17.38	17.45	1.90	18.10	17.69	17.78	17.85	0.15	18.10
		25	12	17.44	17.39	17.50	1.90	18.10	17.75	17.74	17.84	0.15	18.10
5 MHz	QPSK	25	25	17.51	17.31	17.54	1.90	18.10	17.73	17.77	17.67	0.15	18.10
		50	0	17.51	17.43	17.40	1.90	18.10	17.76	17.88	17.76	0.15	18.10
	16QAM	1	0	19.05	19.00	19.00	0.00	20.00	17.54	17.50	17.64	0.00	18.25
		1	12	19.01	19.00	19.00	0.00	20.00	17.49	17.50	17.46	0.00	18.25
		1	24	19.00	19.00	19.00	0.00	20.00	17.44	17.43	17.49	0.00	18.25
		12	0	19.23	19.50	19.36	0.00	20.00	17.60	17.49	17.53	0.00	18.25
	64QAM	12	7	19.47	19.42	19.21	0.00	20.00	17.67	17.50	17.57	0.00	18.25
		12	13	19.34	19.29	19.29	0.00	20.00	17.63	17.48	17.55	0.00	18.25
		25	0	19.20	19.39	19.22	0.00	20.00	17.66	17.56	17.48	0.00	18.25
	256QAM	1	0	19.38	19.48	19.23	0.00	20.00	18.06	17.69	17.64	0.00	18.25
		1	12	19.41	19.29	19.30	0.00	20.00	17.94	17.52	17.63	0.00	18.25
		1	24	19.46	19.45	19.36	0.00	20.00	17.99	17.66	17.62	0.00	18.25
	16QAM	12	0	19.34	19.48	19.39	0.00	20.00	17.71	17.59	17.63	0.00	18.25
		12	7	19.43	19.23	19.27	0.00	20.00	17.73	17.71	17.59	0.00	18.25
		12	13	19.37	19.24	19.40	0.00	20.00	17.70	17.69	17.55	0.00	18.25
	64QAM	25	0	19.27	19.46	19.46	0.00	20.00	17.65	17.51	17.51	0.00	18.25
		1	0	19.45	19.28	19.21	0.00	20.00	18.03	17.91	17.95	0.00	18.25
		1	12	19.32	19.48	19.27	0.00	20.00	17.87	18.03	17.94	0.00	18.25
		1	24	19.41	19.35	19.38	0.00	20.00	18.00	17.97	17.98	0.00	18.25
		12	0	19.44	19.36	19.35	0.00	20.00	18.02	18.08	18.05	0.00	18.25
		12	7	19.43	19.39	19.37	0.00	20.00	17.91	17.99	18.00	0.00	18.25
	256QAM	12	13	19.22	19.37	19.32	0.00	20.00	18.08	18.01	18.06	0.00	18.25
		25	0	19.26	19.49	19.41	0.00	20.00	17.88	17.92	17.84	0.00	18.25
		1	0	17.50	17.49	17.32	1.90	18.10	17.90	17.73	17.75	0.15	18.10
		1	12	17.55	17.37	17.31	1.90	18.10	17.65	17.90	17.73	0.15	18.10
		1	24	17.57	17.49	17.44	1.90	18.10	17.89	17.90	17.70	0.15	18.10
		12	0	17.54	17.48	17.56	1.90	18.10	17.84	17.70	17.85	0.15	18.10
	16QAM	12	7	17.50	17.31	17.52	1.90	18.10	17.71	17.93	17.90	0.15	18.10
		12	13	17.52	17.57	17.56	1.90	18.10	17.87	17.67	17.95	0.15	18.10
		25	0	17.48	17.30	17.38	1.90	18.10	17.80	17.68	17.90	0.15	18.10
		25	0	17.48	17.30	17.38	1.90	18.10	17.80	17.68	17.90	0.15	18.10

LTE Band 66 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131987	132322	132657	MPR	Tune-up Limit	131987	132322	132657	MPR	Tune-up Limit
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	19.00	19.00	19.00	0.00	20.00	17.78	17.25	17.64	0.00	18.25
		1	8	19.00	19.00	19.00	0.00	20.00	17.72	17.25	17.54	0.00	18.25
		1	14	19.00	19.00	19.00	0.00	20.00	17.77	17.29	17.32	0.00	18.25
		8	0	19.25	19.43	19.28	0.00	20.00	17.82	17.41	17.44	0.00	18.25
		8	4	19.44	19.28	19.49	0.00	20.00	17.81	17.40	17.52	0.00	18.25
		8	7	19.29	19.46	19.38	0.00	20.00	17.84	17.40	17.53	0.00	18.25
	16QAM	15	0	19.27	19.43	19.27	0.00	20.00	17.82	17.43	17.41	0.00	18.25
		1	0	19.31	19.35	19.33	0.00	20.00	18.00	17.43	17.42	0.00	18.25
		1	8	19.37	19.32	19.37	0.00	20.00	17.94	17.35	17.28	0.00	18.25
		1	14	19.34	19.39	19.39	0.00	20.00	17.97	17.40	17.33	0.00	18.25
		8	0	19.43	19.47	19.27	0.00	20.00	17.90	17.47	17.56	0.00	18.25
		8	4	19.24	19.23	19.31	0.00	20.00	17.93	17.54	17.53	0.00	18.25
	64QAM	8	7	19.41	19.23	19.30	0.00	20.00	17.93	17.56	17.62	0.00	18.25
		15	0	19.20	19.41	19.41	0.00	20.00	17.50	17.37	17.46	0.00	18.25
		1	0	19.40	19.33	19.45	0.00	20.00	17.81	17.86	18.00	0.00	18.25
		1	8	19.47	19.39	19.37	0.00	20.00	17.94	18.06	17.97	0.00	18.25
		1	14	19.48	19.34	19.42	0.00	20.00	17.86	17.85	17.84	0.00	18.25
		8	0	19.37	19.23	19.24	0.00	20.00	17.88	17.88	17.95	0.00	18.25
	256QAM	8	4	19.30	19.39	19.30	0.00	20.00	17.86	18.06	17.95	0.00	18.25
		8	7	19.50	19.44	19.21	0.00	20.00	18.03	17.84	17.90	0.00	18.25
		15	0	19.33	19.23	19.42	0.00	20.00	17.90	17.99	17.87	0.00	18.25
		1	0	17.46	17.36	17.42	1.90	18.10	17.79	17.69	17.67	0.15	18.10
		1	8	17.46	17.51	17.39	1.90	18.10	17.65	17.67	17.88	0.15	18.10
		1	14	17.41	17.52	17.60	1.90	18.10	17.68	17.75	17.86	0.15	18.10
		8	0	17.32	17.46	17.57	1.90	18.10	17.66	17.72	17.86	0.15	18.10
		8	4	17.41	17.48	17.55	1.90	18.10	17.75	17.68	17.79	0.15	18.10
		8	7	17.55	17.31	17.48	1.90	18.10	17.95	17.71	17.79	0.15	18.10
		15	0	17.49	17.58	17.47	1.90	18.10	17.89	17.91	17.78	0.15	18.10
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	19.00	19.00	19.00	0.00	20.00	17.76	17.64	17.57	0.00	18.25
		1	3	19.00	19.00	19.00	0.00	20.00	17.81	17.70	17.63	0.00	18.25
		1	5	19.00	19.00	19.00	0.00	20.00	17.72	17.64	17.57	0.00	18.25
		3	0	19.00	19.00	19.00	0.00	20.00	17.70	17.67	17.57	0.00	18.25
		3	1	19.00	19.00	19.00	0.00	20.00	17.73	17.69	17.63	0.00	18.25
		3	3	19.00	19.00	19.00	0.00	20.00	17.74	17.68	17.63	0.00	18.25
	16QAM	6	0	19.49	19.28	19.30	0.00	20.00	17.76	17.68	17.69	0.00	18.25
		1	0	19.27	19.20	19.24	0.00	20.00	17.89	18.03	17.72	0.00	18.25
		1	3	19.37	19.29	19.45	0.00	20.00	17.97	18.08	17.79	0.00	18.25
		1	5	19.31	19.38	19.49	0.00	20.00	17.88	18.00	17.73	0.00	18.25
		3	0	19.29	19.22	19.21	0.00	20.00	17.85	17.90	17.86	0.00	18.25
		3	1	19.22	19.29	19.37	0.00	20.00	17.90	17.92	17.90	0.00	18.25
	64QAM	3	3	19.34	19.35	19.40	0.00	20.00	17.90	17.90	17.88	0.00	18.25
		6	0	19.41	19.34	19.38	0.00	20.00	17.91	17.63	17.84	0.00	18.25
		1	0	19.33	19.37	19.47	0.00	20.00	18.04	17.82	18.05	0.00	18.25
		1	3	19.33	19.46	19.22	0.00	20.00	17.90	18.06	18.04	0.00	18.25
		1	5	19.31	19.35	19.44	0.00	20.00	17.99	17.96	18.04	0.00	18.25
		3	0	19.44	19.38	19.34	0.00	20.00	17.99	17.81	17.97	0.00	18.25
	256QAM	3	1	19.26	19.24	19.39	0.00	20.00	18.01	18.04	18.06	0.00	18.25
		3	3	19.26	19.46	19.31	0.00	20.00	18.01	18.00	17.81	0.00	18.25
		6	0	19.27	19.27	19.42	0.00	20.00	18.08	17.85	18.10	0.00	18.25
		1	0	17.52	17.49	17.44	1.90	18.10	17.66	17.89	17.85	0.15	18.10
		1	3	17.39	17.49	17.54	1.90	18.10	17.84	17.76	17.94	0.15	18.10
		1	5	17.41	17.52	17.36	1.90	18.10	17.69	17.82	17.85	0.15	18.10
		3	0	17.45	17.57	17.56	1.90	18.10	17.83	17.86	17.81	0.15	18.10
		3	1	17.45	17.33	17.52	1.90	18.10	17.76	17.86	17.86	0.15	18.10
		3	3	17.51	17.40	17.58	1.90	18.10	17.92	17.81	17.79	0.15	18.10
		6	0	17.54	17.49	17.38	1.90	18.10	17.91	17.66	17.76	0.15	18.10

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	24.45	24.36	24.23	0.00	24.70	20.06	19.89	20.02	0.00	20.75
		1	49	24.46	24.51	24.32	0.00	24.70	20.25	20.25	20.25	0.00	20.75
		1	99	24.50	24.48	24.29	0.00	24.70	20.03	20.04	20.07	0.00	20.75
		50	0	23.25	23.50	23.40	1.00	23.70	19.90	20.10	19.91	0.00	20.75
		50	24	23.44	23.59	23.47	1.00	23.70	20.25	20.25	20.25	0.00	20.75
		50	50	23.28	23.44	23.24	1.00	23.70	19.85	19.85	20.07	0.00	20.75
	16QAM	100	0	23.42	23.33	23.32	1.00	23.70	20.03	20.25	20.01	0.00	20.75
		1	0	23.35	23.37	23.36	1.00	23.70	20.10	19.99	20.04	0.00	20.75
		1	49	23.27	23.41	23.37	1.00	23.70	19.95	20.11	19.91	0.00	20.75
		1	99	23.41	23.29	23.43	1.00	23.70	19.97	20.12	19.88	0.00	20.75
		50	0	22.33	22.43	22.37	2.00	22.70	19.90	20.12	20.08	0.00	20.75
		50	24	22.39	22.34	22.31	2.00	22.70	20.08	19.97	20.11	0.00	20.75
	64QAM	50	50	22.40	22.43	22.47	2.00	22.70	20.02	20.08	19.90	0.00	20.75
		100	0	22.29	22.42	22.36	2.00	22.70	19.95	20.06	20.09	0.00	20.75
		1	0	22.22	22.50	22.44	2.00	22.70	20.00	20.01	20.01	0.00	20.75
		1	49	22.38	22.28	22.48	2.00	22.70	19.92	20.12	20.14	0.00	20.75
		1	99	22.27	22.39	22.46	2.00	22.70	19.88	19.97	19.88	0.00	20.75
		50	0	21.30	21.45	21.21	3.00	21.70	20.07	19.96	20.02	0.00	20.75
	256QAM	50	24	21.37	21.39	21.44	3.00	21.70	19.99	19.91	20.03	0.00	20.75
		50	50	21.42	21.26	21.38	3.00	21.70	20.04	19.99	20.02	0.00	20.75
		100	0	21.41	21.30	21.29	3.00	21.70	19.92	19.95	19.94	0.00	20.75
		1	0	19.43	19.34	19.32	5.00	19.70	19.40	19.48	19.32	1.05	19.70
		1	49	19.37	19.30	19.37	5.00	19.70	19.37	19.37	19.37	1.05	19.70
		1	99	19.43	19.24	19.21	5.00	19.70	19.48	19.56	19.56	1.05	19.70
15 MHz	QPSK	50	0	19.48	19.41	19.45	5.00	19.70	19.56	19.41	19.35	1.05	19.70
		50	24	19.36	19.33	19.39	5.00	19.70	19.32	19.35	19.50	1.05	19.70
		50	50	19.30	19.37	19.44	5.00	19.70	19.39	19.57	19.38	1.05	19.70
		100	0	19.34	19.39	19.43	5.00	19.70	19.45	19.37	19.55	1.05	19.70
	16QAM	1	0	24.25	24.44	24.36	0.00	24.70	19.97	20.00	19.93	0.00	20.75
		1	37	24.49	24.41	24.22	0.00	24.70	19.99	19.89	19.92	0.00	20.75
		1	74	24.49	24.48	24.45	0.00	24.70	19.86	19.85	19.94	0.00	20.75
		36	0	23.42	23.20	23.42	1.00	23.70	19.96	19.94	20.08	0.00	20.75
		36	20	23.29	23.35	23.37	1.00	23.70	20.12	20.14	19.98	0.00	20.75
		36	39	23.39	23.29	23.43	1.00	23.70	19.85	20.10	19.85	0.00	20.75
	64QAM	75	0	23.38	23.36	23.36	1.00	23.70	20.11	20.09	20.05	0.00	20.75
		1	0	23.49	23.35	23.41	1.00	23.70	19.88	20.11	20.11	0.00	20.75
		1	37	23.27	23.38	23.41	1.00	23.70	20.04	20.09	19.94	0.00	20.75
		1	74	23.23	23.49	23.31	1.00	23.70	19.96	20.07	19.90	0.00	20.75
		36	0	22.26	22.33	22.49	2.00	22.70	19.97	20.12	20.13	0.00	20.75
		36	20	22.41	22.34	22.39	2.00	22.70	19.86	20.13	19.92	0.00	20.75
	256QAM	36	39	22.34	22.44	22.29	2.00	22.70	19.87	19.87	20.06	0.00	20.75
		75	0	22.49	22.41	22.43	2.00	22.70	20.04	19.96	20.09	0.00	20.75
		1	0	22.39	22.45	22.47	2.00	22.70	20.15	19.87	20.15	0.00	20.75
		1	37	22.34	22.32	22.43	2.00	22.70	20.07	19.95	19.91	0.00	20.75
		1	74	22.46	22.22	22.37	2.00	22.70	20.01	19.91	19.99	0.00	20.75
		36	0	21.29	21.36	21.42	3.00	21.70	19.94	20.11	20.04	0.00	20.75
15 MHz	64QAM	36	20	21.26	21.47	21.39	3.00	21.70	20.05	19.95	20.12	0.00	20.75
		36	39	21.25	21.32	21.44	3.00	21.70	19.92	20.09	19.97	0.00	20.75
		75	0	21.33	21.26	21.39	3.00	21.70	20.11	20.04	19.96	0.00	20.75
	256QAM	1	0	19.33	19.40	19.42	5.00	19.70	19.50	19.32	19.48	1.05	19.70
		1	37	19.45	19.22	19.42	5.00	19.70	19.51	19.45	19.49	1.05	19.70
		1	74	19.47	19.36	19.24	5.00	19.70	19.53	19.32	19.43	1.05	19.70
	256QAM	36	0	19.30	19.35	19.49	5.00	19.70	19.35	19.41	19.57	1.05	19.70
		36	20	19.34	19.32	19.29	5.00	19.70	19.30	19.40	19.36	1.05	19.70
		36	39	19.32	19.23	19.37	5.00	19.70	19.37	19.59	19.45	1.05	19.70
		75	0	19.37	19.39	19.33	5.00	19.70	19.36	19.47	19.41	1.05	19.70

LTE Band 66 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132022	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	24.44	24.49	24.43	0.00	24.70	20.04	19.90	19.97	0.00	20.75
		1	25	24.33	24.22	24.48	0.00	24.70	20.14	20.12	19.88	0.00	20.75
		1	49	24.22	24.48	24.43	0.00	24.70	19.85	20.03	20.10	0.00	20.75
		25	0	23.36	23.38	23.38	1.00	23.70	19.86	19.88	19.89	0.00	20.75
		25	12	23.38	23.28	23.21	1.00	23.70	19.90	20.08	19.92	0.00	20.75
		25	25	23.40	23.29	23.22	1.00	23.70	19.88	20.02	20.15	0.00	20.75
	16QAM	50	0	23.34	23.48	23.42	1.00	23.70	19.90	19.89	20.05	0.00	20.75
		1	0	23.42	23.35	23.44	1.00	23.70	20.06	19.93	20.04	0.00	20.75
		1	25	23.34	23.31	23.42	1.00	23.70	19.89	20.10	20.10	0.00	20.75
		1	49	23.25	23.24	23.42	1.00	23.70	20.08	19.91	19.99	0.00	20.75
		25	0	22.25	22.32	22.23	2.00	22.70	19.96	20.01	20.08	0.00	20.75
		25	12	22.32	22.22	22.31	2.00	22.70	19.90	19.91	20.03	0.00	20.75
	64QAM	25	25	22.47	22.30	22.42	2.00	22.70	19.99	20.04	20.00	0.00	20.75
		50	0	22.29	22.33	22.26	2.00	22.70	19.90	19.85	20.10	0.00	20.75
		1	0	22.42	22.24	22.46	2.00	22.70	20.03	20.08	19.91	0.00	20.75
		1	25	22.30	22.28	22.46	2.00	22.70	20.04	19.92	19.87	0.00	20.75
		1	49	22.24	22.36	22.38	2.00	22.70	20.14	20.14	20.13	0.00	20.75
		25	0	21.34	21.45	21.39	3.00	21.70	20.02	20.11	20.15	0.00	20.75
	256QAM	25	12	21.28	21.33	21.43	3.00	21.70	20.02	20.14	19.93	0.00	20.75
		25	25	21.22	21.35	21.44	3.00	21.70	19.93	19.87	20.07	0.00	20.75
		50	0	21.21	21.29	21.42	3.00	21.70	19.91	19.96	19.95	0.00	20.75
		1	0	19.32	19.32	19.38	5.00	19.70	19.57	19.55	19.34	1.05	19.70
		1	25	19.36	19.33	19.21	5.00	19.70	19.36	19.45	19.48	1.05	19.70
		1	49	19.28	19.32	19.29	5.00	19.70	19.47	19.51	19.34	1.05	19.70
		25	0	19.49	19.48	19.30	5.00	19.70	19.32	19.37	19.38	1.05	19.70
		25	12	19.48	19.38	19.20	5.00	19.70	19.38	19.50	19.55	1.05	19.70
5 MHz	QPSK	25	25	19.29	19.41	19.24	5.00	19.70	19.32	19.42	19.36	1.05	19.70
		50	0	19.47	19.31	19.22	5.00	19.70	19.59	19.41	19.55	1.05	19.70
	16QAM	1	0	24.49	24.38	24.50	0.00	24.70	19.91	20.09	19.89	0.00	20.75
		1	12	24.31	24.44	24.39	0.00	24.70	20.08	19.90	19.90	0.00	20.75
		1	24	24.42	24.25	24.40	0.00	24.70	20.15	19.95	20.00	0.00	20.75
		12	0	23.47	23.38	23.33	1.00	23.70	19.96	19.91	19.91	0.00	20.75
	64QAM	12	7	23.45	23.37	23.32	1.00	23.70	20.02	20.03	20.00	0.00	20.75
		12	13	23.23	23.26	23.31	1.00	23.70	19.87	19.98	19.99	0.00	20.75
		25	0	23.29	23.44	23.40	1.00	23.70	20.04	20.01	20.02	0.00	20.75
	256QAM	1	0	23.37	23.48	23.41	1.00	23.70	20.10	19.93	20.05	0.00	20.75
		1	12	23.39	23.36	23.20	1.00	23.70	19.97	19.95	20.12	0.00	20.75
		1	24	23.40	23.39	23.39	1.00	23.70	20.14	19.88	19.85	0.00	20.75
	16QAM	12	0	22.49	22.45	22.46	2.00	22.70	20.00	19.92	20.07	0.00	20.75
		12	7	22.32	22.31	22.33	2.00	22.70	19.99	20.06	19.93	0.00	20.75
		12	13	22.40	22.27	22.35	2.00	22.70	20.00	19.92	20.13	0.00	20.75
	64QAM	25	0	22.26	22.30	22.32	2.00	22.70	19.86	19.88	19.98	0.00	20.75
		1	0	22.37	22.32	22.31	2.00	22.70	19.90	20.05	19.97	0.00	20.75
		1	12	22.22	22.35	22.24	2.00	22.70	20.07	19.90	19.97	0.00	20.75
		1	24	22.49	22.45	22.41	2.00	22.70	20.10	20.06	20.03	0.00	20.75
		12	0	21.40	21.45	21.49	3.00	21.70	19.96	20.08	20.06	0.00	20.75
		12	7	21.34	21.34	21.39	3.00	21.70	19.99	20.11	20.09	0.00	20.75
	256QAM	12	13	21.44	21.34	21.38	3.00	21.70	20.00	20.00	20.04	0.00	20.75
		25	0	21.32	21.31	21.30	3.00	21.70	20.14	19.93	20.01	0.00	20.75
		1	0	19.25	19.27	19.23	5.00	19.70	19.39	19.47	19.31	1.05	19.70
		1	12	19.35	19.31	19.45	5.00	19.70	19.45	19.40	19.42	1.05	19.70
		1	24	19.44	19.31	19.45	5.00	19.70	19.33	19.35	19.47	1.05	19.70
		12	0	19.32	19.45	19.44	5.00	19.70	19.47	19.47	19.31	1.05	19.70
		12	7	19.38	19.45	19.29	5.00	19.70	19.31	19.58	19.59	1.05	19.70
		12	13	19.50	19.39	19.34	5.00	19.70	19.58	19.59	19.47	1.05	19.70
		25	0	19.31	19.39	19.24	5.00	19.70	19.39	19.54	19.57	1.05	19.70

LTE Band 66 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131987	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	24.25	24.34	24.34	0.00	24.70	19.91	20.10	19.94	0.00	20.75
		1	8	24.32	24.49	24.38	0.00	24.70	19.87	20.03	19.96	0.00	20.75
		1	14	24.45	24.42	24.50	0.00	24.70	19.96	19.87	19.95	0.00	20.75
		8	0	23.23	23.42	23.45	1.00	23.70	20.10	20.07	20.14	0.00	20.75
		8	4	23.35	23.27	23.37	1.00	23.70	19.92	19.91	19.85	0.00	20.75
		8	7	23.25	23.31	23.46	1.00	23.70	20.05	20.10	19.96	0.00	20.75
	16QAM	15	0	23.40	23.31	23.35	1.00	23.70	20.06	20.12	19.97	0.00	20.75
		1	0	23.22	23.40	23.48	1.00	23.70	20.01	20.09	19.89	0.00	20.75
		1	8	23.40	23.32	23.50	1.00	23.70	20.04	20.12	20.14	0.00	20.75
		1	14	23.43	23.29	23.32	1.00	23.70	19.88	19.97	20.03	0.00	20.75
		8	0	22.31	22.47	22.49	2.00	22.70	19.89	19.98	19.97	0.00	20.75
		8	4	22.49	22.48	22.22	2.00	22.70	20.09	20.00	19.85	0.00	20.75
	64QAM	8	7	22.31	22.46	22.35	2.00	22.70	19.85	20.02	19.87	0.00	20.75
		15	0	22.20	22.45	22.38	2.00	22.70	19.95	19.98	20.07	0.00	20.75
		1	0	22.24	22.45	22.40	2.00	22.70	20.12	19.94	19.95	0.00	20.75
		1	8	22.45	22.26	22.37	2.00	22.70	19.91	20.04	19.97	0.00	20.75
		1	14	22.21	22.37	22.42	2.00	22.70	20.11	20.11	19.86	0.00	20.75
		8	0	21.48	21.21	21.35	3.00	21.70	19.92	19.94	20.09	0.00	20.75
	256QAM	8	4	21.34	21.42	21.39	3.00	21.70	20.07	19.95	19.96	0.00	20.75
		8	7	21.50	21.28	21.47	3.00	21.70	20.03	19.93	19.89	0.00	20.75
		15	0	21.50	21.46	21.40	3.00	21.70	20.05	20.00	19.96	0.00	20.75
		1	0	19.21	19.29	19.50	5.00	19.70	19.37	19.42	19.43	1.05	19.70
		1	8	19.47	19.37	19.30	5.00	19.70	19.38	19.43	19.55	1.05	19.70
		1	14	19.20	19.28	19.38	5.00	19.70	19.60	19.31	19.57	1.05	19.70
		8	0	19.27	19.24	19.21	5.00	19.70	19.42	19.32	19.44	1.05	19.70
		8	4	19.43	19.44	19.30	5.00	19.70	19.41	19.54	19.43	1.05	19.70
		8	7	19.41	19.30	19.21	5.00	19.70	19.33	19.59	19.51	1.05	19.70
		15	0	19.45	19.28	19.33	5.00	19.70	19.37	19.42	19.38	1.05	19.70
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	24.23	24.33	24.31	0.00	24.70	19.95	19.97	20.00	0.00	20.75
		1	3	24.42	24.43	24.26	0.00	24.70	20.03	19.87	19.88	0.00	20.75
		1	5	24.50	24.39	24.34	0.00	24.70	20.01	20.09	20.04	0.00	20.75
		3	0	24.13	24.23	24.21	0.00	24.70	20.00	19.96	20.03	0.00	20.75
		3	1	24.32	24.33	24.16	0.00	24.70	19.86	19.99	19.86	0.00	20.75
		3	3	24.40	24.29	24.24	0.00	24.70	19.86	19.91	20.04	0.00	20.75
	16QAM	6	0	23.48	23.44	23.20	1.00	23.70	20.12	20.08	19.92	0.00	20.75
		1	0	23.33	23.42	23.37	1.00	23.70	19.89	20.10	20.12	0.00	20.75
		1	3	23.28	23.33	23.33	1.00	23.70	19.92	19.87	19.97	0.00	20.75
		1	5	23.49	23.38	23.39	1.00	23.70	19.88	19.91	19.97	0.00	20.75
		3	0	23.23	23.32	23.27	1.00	23.70	19.90	19.85	20.12	0.00	20.75
		3	1	23.18	23.23	23.23	1.00	23.70	19.92	19.90	20.06	0.00	20.75
	64QAM	3	3	23.39	23.28	23.29	1.00	23.70	20.11	20.11	20.11	0.00	20.75
		6	0	22.29	22.47	22.34	2.00	22.70	19.92	19.96	19.85	0.00	20.75
		1	0	22.33	22.49	22.25	2.00	22.70	20.08	20.09	19.97	0.00	20.75
		1	3	22.31	22.23	22.24	2.00	22.70	19.91	19.97	19.94	0.00	20.75
		1	5	22.20	22.23	22.33	2.00	22.70	19.99	19.95	19.87	0.00	20.75
		3	0	22.21	22.28	22.40	2.00	22.70	20.06	20.07	20.08	0.00	20.75
	256QAM	3	1	22.35	22.19	22.24	2.00	22.70	20.12	20.14	20.10	0.00	20.75
		3	3	22.26	22.31	22.27	2.00	22.70	19.92	19.90	19.89	0.00	20.75
		6	0	21.50	21.36	21.39	3.00	21.70	19.97	19.89	20.11	0.00	20.75
		1	0	19.45	19.48	19.42	5.00	19.70	19.57	19.45	19.40	1.05	19.70
		1	3	19.41	19.22	19.37	5.00	19.70	19.50	19.42	19.38	1.05	19.70
		1	5	19.35	19.31	19.33	5.00	19.70	19.45	19.52	19.48	1.05	19.70
		3	0	19.35	19.20	19.49	5.00	19.70	19.34	19.43	19.37	1.05	19.70
		3	1	19.48	19.46	19.37	5.00	19.70	19.58	19.50	19.48	1.05	19.70
		3	3	19.42	19.36	19.29	5.00	19.70	19.37	19.31	19.50	1.05	19.70
		6	0	19.29	19.24	19.29	5.00	19.70	19.57	19.44	19.46	1.05	19.70

LTE Band 66 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132072	132322	132572	MPR	Tune-up Limit	132072	132322	132572	MPR	Tune-up Limit
				1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	19.95	19.82	19.94	0.00	20.00	21.05	21.02	21.04	0.00	21.25
		1	49	20.00	20.00	20.00	0.00	20.00	21.14	21.21	21.05	0.00	21.25
		1	99	19.72	19.70	19.96	0.00	20.00	21.09	20.96	21.01	0.00	21.25
		50	0	19.75	19.81	19.82	0.00	20.00	20.78	20.79	20.71	0.00	21.25
		50	24	20.00	20.00	20.00	0.00	20.00	20.80	20.80	20.80	0.00	21.25
		50	50	19.95	19.79	19.85	0.00	20.00	20.80	20.80	20.80	0.00	21.25
	16QAM	100	0	19.97	20.00	19.88	0.00	20.00	20.70	20.70	20.70	0.00	21.25
		1	0	19.90	19.75	19.95	0.00	20.00	20.76	20.72	20.71	0.00	21.25
		1	49	19.72	19.72	19.71	0.00	20.00	20.90	20.67	20.88	0.00	21.25
		1	99	19.93	19.94	19.95	0.00	20.00	20.91	20.94	20.92	0.00	21.25
		50	0	19.52	19.52	19.66	0.00	20.00	19.85	19.84	20.00	0.55	20.70
		50	24	19.60	19.61	19.69	0.00	20.00	19.91	19.94	20.00	0.55	20.70
	64QAM	50	50	19.57	19.60	19.72	0.00	20.00	19.88	19.89	20.04	0.55	20.70
		100	0	19.56	19.62	19.66	0.00	20.00	19.89	19.91	19.97	0.55	20.70
		1	0	19.74	19.75	19.81	0.00	20.00	19.90	19.88	19.87	0.55	20.70
		1	49	19.83	19.88	19.86	0.00	20.00	19.82	19.72	19.76	0.55	20.70
		1	99	19.86	19.89	19.74	0.00	20.00	19.84	19.89	19.70	0.55	20.70
		50	0	19.60	19.62	19.56	0.30	19.70	19.65	19.69	19.69	1.55	19.70
15 MHz	QPSK	50	24	19.56	19.68	19.57	0.30	19.70	19.60	19.57	19.60	1.55	19.70
		50	50	19.68	19.66	19.51	0.30	19.70	19.61	19.62	19.56	1.55	19.70
		100	0	19.66	19.56	19.61	0.30	19.70	19.54	19.60	19.65	1.55	19.70
	16QAM	1	0	17.56	17.58	17.62	2.30	17.70	17.53	17.56	17.63	3.55	17.70
		1	49	17.50	17.50	17.61	2.30	17.70	17.58	17.51	17.62	3.55	17.70
		1	99	17.54	17.66	17.65	2.30	17.70	17.52	17.65	17.55	3.55	17.70
		50	0	17.61	17.66	17.65	2.30	17.70	17.68	17.57	17.56	3.55	17.70
		50	24	17.61	17.66	17.68	2.30	17.70	17.59	17.58	17.59	3.55	17.70
		50	50	17.67	17.52	17.58	2.30	17.70	17.54	17.68	17.50	3.55	17.70
	64QAM	100	0	17.55	17.68	17.65	2.30	17.70	17.64	17.59	17.56	3.55	17.70
		1	0	19.47	19.46	19.68	0.00	20.00	20.42	20.48	20.71	0.00	21.25
		1	37	19.47	19.46	19.65	0.00	20.00	20.40	20.47	20.68	0.00	21.25
		1	74	19.45	19.50	19.65	0.00	20.00	20.42	20.50	20.66	0.00	21.25
		36	0	19.55	19.52	19.68	0.00	20.00	20.56	20.53	20.67	0.00	21.25
		36	20	19.57	19.61	19.71	0.00	20.00	20.58	20.63	20.69	0.00	21.25
15 MHz	QPSK	36	39	19.53	19.60	19.75	0.00	20.00	20.55	20.58	20.74	0.00	21.25
		75	0	19.50	19.60	19.66	0.00	20.00	20.54	20.57	20.67	0.00	21.25
	16QAM	1	0	19.81	19.38	19.90	0.00	20.00	20.34	20.90	20.71	0.00	21.25
		1	37	19.85	19.46	19.96	0.00	20.00	20.38	20.91	20.67	0.00	21.25
		1	74	19.90	19.54	19.95	0.00	20.00	20.38	20.93	20.69	0.00	21.25
		36	0	19.52	19.51	19.70	0.00	20.00	19.85	19.87	19.97	0.55	20.70
	64QAM	36	20	19.55	19.64	19.73	0.00	20.00	19.87	20.00	20.00	0.55	20.70
		36	39	19.51	19.59	19.75	0.00	20.00	19.84	19.94	20.02	0.55	20.70
		75	0	19.52	19.59	19.65	0.00	20.00	19.84	19.93	19.96	0.55	20.70
	256QAM	1	0	19.83	19.84	19.71	0.00	20.00	19.86	19.82	19.80	0.55	20.70
		1	37	19.83	19.84	19.71	0.00	20.00	19.78	19.89	19.89	0.55	20.70
		1	74	19.88	19.77	19.83	0.00	20.00	19.75	19.87	19.87	0.55	20.70
		36	0	19.64	19.54	19.58	0.30	19.70	19.53	19.54	19.61	1.55	19.70
		36	20	19.50	19.59	19.58	0.30	19.70	19.64	19.57	19.64	1.55	19.70
		36	39	19.62	19.52	19.65	0.30	19.70	19.50	19.66	19.56	1.55	19.70
15 MHz	QPSK	75	0	19.53	19.69	19.54	0.30	19.70	19.63	19.61	19.60	1.55	19.70
		1	0	17.64	17.50	17.70	2.30	17.70	17.57	17.62	17.65	3.55	17.70
		1	37	17.59	17.63	17.64	2.30	17.70	17.67	17.66	17.50	3.55	17.70
		1	74	17.61	17.53	17.66	2.30	17.70	17.60	17.57	17.69	3.55	17.70
		36	0	17.67	17.67	17.57	2.30	17.70	17.53	17.69	17.62	3.55	17.70
		36	20	17.54	17.67	17.59	2.30	17.70	17.55	17.64	17.69	3.55	17.70
	16QAM	36	39	17.60	17.52	17.58	2.30	17.70	17.57	17.63	17.62	3.55	17.70
		75	0	17.61	17.54	17.57	2.30	17.70	17.66	17.59	17.53	3.55	17.70

LTE Band 66 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132022	132322	132622	MPR	Tune-up Limit	132022	132322	132622	MPR	Tune-up Limit
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	19.49	19.44	19.71	0.00	20.00	20.50	20.41	20.72	0.00	21.25
		1	25	19.44	19.40	19.63	0.00	20.00	20.40	20.42	20.63	0.00	21.25
		1	49	19.45	19.42	19.66	0.00	20.00	20.44	20.39	20.64	0.00	21.25
		25	0	19.56	19.55	19.70	0.00	20.00	20.55	20.54	20.71	0.00	21.25
		25	12	19.58	19.61	19.71	0.00	20.00	20.56	20.61	20.73	0.00	21.25
		25	25	19.51	19.57	19.73	0.00	20.00	20.51	20.58	20.73	0.00	21.25
	16QAM	50	0	19.54	19.58	19.67	0.00	20.00	20.53	20.58	20.69	0.00	21.25
		1	0	19.94	19.62	19.73	0.00	20.00	20.94	20.60	20.71	0.00	21.25
		1	25	19.86	19.58	19.64	0.00	20.00	20.86	20.56	20.63	0.00	21.25
		1	49	19.85	19.58	19.67	0.00	20.00	20.84	20.54	20.59	0.00	21.25
		25	0	19.62	19.66	19.74	0.00	20.00	19.91	19.90	20.04	0.55	20.70
		25	12	19.59	19.74	19.72	0.00	20.00	19.91	20.01	20.03	0.55	20.70
	64QAM	25	25	19.55	19.70	19.76	0.00	20.00	19.87	19.94	20.06	0.55	20.70
		50	0	19.59	19.66	19.67	0.00	20.00	19.87	19.92	19.97	0.55	20.70
		1	0	19.89	19.79	19.72	0.00	20.00	19.77	19.86	19.76	0.55	20.70
		1	25	19.87	19.90	19.85	0.00	20.00	19.88	19.89	19.77	0.55	20.70
		1	49	19.77	19.75	19.80	0.00	20.00	19.85	19.85	19.79	0.55	20.70
		25	0	19.53	19.53	19.51	0.30	19.70	19.60	19.69	19.57	1.55	19.70
	256QAM	25	12	19.68	19.60	19.69	0.30	19.70	19.51	19.54	19.66	1.55	19.70
		25	25	19.60	19.51	19.64	0.30	19.70	19.61	19.51	19.62	1.55	19.70
		50	0	19.68	19.58	19.53	0.30	19.70	19.66	19.69	19.64	1.55	19.70
		1	0	17.63	17.52	17.51	2.30	17.70	17.61	17.52	17.60	3.55	17.70
		1	25	17.60	17.68	17.55	2.30	17.70	17.58	17.62	17.51	3.55	17.70
		1	49	17.61	17.68	17.52	2.30	17.70	17.56	17.55	17.64	3.55	17.70
		25	0	17.57	17.66	17.57	2.30	17.70	17.66	17.60	17.58	3.55	17.70
		25	12	17.62	17.69	17.67	2.30	17.70	17.54	17.64	17.55	3.55	17.70
5 MHz	QPSK	25	25	17.58	17.66	17.53	2.30	17.70	17.63	17.56	17.64	3.55	17.70
		50	0	17.53	17.67	17.69	2.30	17.70	17.58	17.66	17.61	3.55	17.70
	16QAM	1	0	19.50	19.50	19.81	0.00	20.00	20.46	20.50	20.79	0.00	21.25
		1	12	19.49	19.54	19.74	0.00	20.00	20.46	20.53	20.76	0.00	21.25
		1	24	19.43	19.53	19.70	0.00	20.00	20.38	20.53	20.73	0.00	21.25
		12	0	19.57	19.60	19.75	0.00	20.00	20.52	20.62	20.71	0.00	21.25
	64QAM	12	7	19.59	19.63	19.76	0.00	20.00	20.54	20.59	20.74	0.00	21.25
		12	13	19.55	19.59	19.73	0.00	20.00	20.49	20.59	20.75	0.00	21.25
		25	0	19.56	19.60	19.74	0.00	20.00	20.51	20.61	20.77	0.00	21.25
	256QAM	1	0	19.97	19.64	19.93	0.00	20.00	20.52	20.63	20.91	0.00	21.25
		1	12	19.95	19.61	19.86	0.00	20.00	20.66	20.61	20.85	0.00	21.25
		1	24	19.98	19.69	19.87	0.00	20.00	20.67	20.68	20.84	0.00	21.25
		12	0	19.68	19.67	19.85	0.00	20.00	19.99	19.98	20.16	0.55	20.70
		12	7	19.72	19.75	19.86	0.00	20.00	19.99	19.96	20.17	0.55	20.70
		12	13	19.66	19.67	19.87	0.00	20.00	19.95	19.96	20.09	0.55	20.70
	16QAM	25	0	19.62	19.58	19.80	0.00	20.00	19.88	19.83	20.09	0.55	20.70
		1	0	19.88	19.76	19.79	0.00	20.00	19.76	19.86	19.82	0.55	20.70
		1	12	19.88	19.84	19.74	0.00	20.00	19.85	19.79	19.83	0.55	20.70
		1	24	19.82	19.71	19.86	0.00	20.00	19.89	19.83	19.78	0.55	20.70
		12	0	19.62	19.57	19.51	0.30	19.70	19.57	19.55	19.69	1.55	19.70
		12	7	19.64	19.56	19.69	0.30	19.70	19.57	19.52	19.53	1.55	19.70
	64QAM	12	13	19.50	19.57	19.54	0.30	19.70	19.69	19.67	19.68	1.55	19.70
		25	0	19.51	19.54	19.66	0.30	19.70	19.50	19.57	19.66	1.55	19.70
	256QAM	1	0	17.62	17.55	17.58	2.30	17.70	17.64	17.62	17.66	3.55	17.70
		1	12	17.57	17.63	17.59	2.30	17.70	17.70	17.58	17.62	3.55	17.70
		1	24	17.53	17.67	17.54	2.30	17.70	17.56	17.57	17.65	3.55	17.70
		12	0	17.51	17.55	17.65	2.30	17.70	17.54	17.65	17.57	3.55	17.70
		12	7	17.58	17.65	17.56	2.30	17.70	17.54	17.53	17.50	3.55	17.70
		12	13	17.60	17.67	17.70	2.30	17.70	17.60	17.68	17.52	3.55	17.70
	256QAM	25	0	17.55	17.67	17.53	2.30	17.70	17.68	17.58	17.66	3.55	17.70

LTE Band 66 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131987	132322	132657	MPR	Tune-up Limit	131987	132322	132657	MPR	Tune-up Limit
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	19.71	19.46	19.44	0.00	20.00	20.50	20.45	20.64	0.00	21.25
		1	8	19.71	19.43	19.40	0.00	20.00	20.48	20.44	20.58	0.00	21.25
		1	14	19.63	19.47	19.45	0.00	20.00	20.43	20.46	20.64	0.00	21.25
		8	0	19.72	19.60	19.53	0.00	20.00	20.54	20.62	20.75	0.00	21.25
		8	4	19.74	19.61	19.56	0.00	20.00	20.56	20.63	20.77	0.00	21.25
		8	7	19.78	19.63	19.57	0.00	20.00	20.53	20.62	20.74	0.00	21.25
	16QAM	15	0	19.73	19.59	19.55	0.00	20.00	20.52	20.58	20.74	0.00	21.25
		1	0	19.91	19.60	19.35	0.00	20.00	20.52	20.61	20.66	0.00	21.25
		1	8	19.88	19.56	19.36	0.00	20.00	20.83	20.57	20.55	0.00	21.25
		1	14	19.89	19.62	19.38	0.00	20.00	20.85	20.61	20.59	0.00	21.25
		8	0	19.84	19.67	19.68	0.00	20.00	19.92	19.91	20.14	0.55	20.70
		8	4	19.85	19.68	19.65	0.00	20.00	19.91	19.96	20.17	0.55	20.70
	64QAM	8	7	19.85	19.68	19.66	0.00	20.00	19.94	19.97	20.18	0.55	20.70
		15	0	19.80	19.57	19.55	0.00	20.00	19.87	19.84	20.08	0.55	20.70
		1	0	19.88	19.88	19.75	0.00	20.00	19.79	19.71	19.73	0.55	20.70
		1	8	19.77	19.74	19.74	0.00	20.00	19.79	19.72	19.86	0.55	20.70
		1	14	19.81	19.86	19.75	0.00	20.00	19.89	19.83	19.86	0.55	20.70
		8	0	19.63	19.62	19.68	0.30	19.70	19.51	19.60	19.56	1.55	19.70
	256QAM	8	4	19.70	19.68	19.62	0.30	19.70	19.50	19.56	19.50	1.55	19.70
		8	7	19.61	19.51	19.55	0.30	19.70	19.60	19.69	19.59	1.55	19.70
		15	0	19.52	19.67	19.62	0.30	19.70	19.70	19.51	19.63	1.55	19.70
		1	0	17.63	17.62	17.69	2.30	17.70	17.56	17.63	17.60	3.55	17.70
		1	8	17.53	17.53	17.58	2.30	17.70	17.53	17.52	17.67	3.55	17.70
		1	14	17.51	17.53	17.64	2.30	17.70	17.55	17.52	17.60	3.55	17.70
		8	0	17.68	17.55	17.53	2.30	17.70	17.62	17.69	17.63	3.55	17.70
		8	4	17.52	17.64	17.57	2.30	17.70	17.69	17.59	17.59	3.55	17.70
		8	7	17.59	17.51	17.68	2.30	17.70	17.67	17.62	17.55	3.55	17.70
		15	0	17.69	17.63	17.55	2.30	17.70	17.54	17.58	17.55	3.55	17.70
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	19.61	19.45	19.37	0.00	20.00	20.38	20.54	20.62	0.00	21.25
		1	3	19.66	19.50	19.40	0.00	20.00	20.41	20.54	20.64	0.00	21.25
		1	5	19.59	19.46	19.37	0.00	20.00	20.37	20.47	20.59	0.00	21.25
		3	0	19.56	19.50	19.37	0.00	20.00	20.35	20.43	20.62	0.00	21.25
		3	1	19.61	19.49	19.40	0.00	20.00	20.39	20.48	20.62	0.00	21.25
		3	3	19.60	19.50	19.41	0.00	20.00	20.42	20.47	20.63	0.00	21.25
	16QAM	6	0	19.65	19.51	19.46	0.00	20.00	20.47	20.50	20.65	0.00	21.25
		1	0	19.77	19.83	19.48	0.00	20.00	20.48	20.64	20.80	0.00	21.25
		1	3	19.82	19.90	19.57	0.00	20.00	20.60	20.71	20.84	0.00	21.25
		1	5	19.79	19.85	19.51	0.00	20.00	20.51	20.64	20.79	0.00	21.25
		3	0	19.70	19.74	19.62	0.00	20.00	20.25	20.36	20.37	0.00	21.25
		3	1	19.77	19.76	19.71	0.00	20.00	20.25	20.40	20.25	0.00	21.25
	64QAM	3	3	19.77	19.75	19.72	0.00	20.00	20.25	20.39	20.25	0.00	21.25
		6	0	19.79	19.47	19.61	0.00	20.00	19.97	19.95	19.90	0.55	20.70
		1	0	19.87	19.70	19.84	0.00	20.00	20.56	20.44	20.41	0.55	20.70
		1	3	19.70	19.89	19.82	0.00	20.00	20.47	20.47	20.48	0.55	20.70
		1	5	19.88	19.81	19.73	0.00	20.00	20.56	20.45	20.50	0.55	20.70
		3	0	19.87	19.70	19.84	0.00	20.00	20.44	20.60	20.51	0.55	20.70
	256QAM	3	1	19.70	19.89	19.82	0.00	20.00	20.60	20.55	20.58	0.55	20.70
		3	3	19.88	19.81	19.73	0.00	20.00	20.49	20.40	20.44	0.55	20.70
		6	0	19.64	19.53	19.68	0.30	19.70	19.54	19.61	19.70	1.55	19.70
		1	0	17.64	17.65	17.55	2.30	17.70	17.56	17.65	17.68	3.55	17.70
		1	3	17.58	17.58	17.58	2.30	17.70	17.67	17.57	17.58	3.55	17.70
		1	5	17.66	17.68	17.50	2.30	17.70	17.68	17.67	17.70	3.55	17.70
		3	0	17.61	17.63	17.56	2.30	17.70	17.55	17.51	17.64	3.55	17.70
		3	1	17.65	17.53	17.69	2.30	17.70	17.59	17.58	17.64	3.55	17.70
		3	3	17.53	17.69	17.63	2.30	17.70	17.65	17.63	17.64	3.55	17.70
		6	0	17.61	17.64	17.63	2.30	17.70	17.52	17.59	17.67	3.55	17.70

LTE Band 71 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)					
					133297		MPR	Tune-up Limit		133297		MPR	Tune-up Limit
					680.5 MHz					680.5 MHz			
20 MHz	QPSK	1	0		25.35		0.00	25.70		25.35		0.00	25.70
		1	49		25.70		0.00	25.70		25.70		0.00	25.70
		1	99		25.38		0.00	25.70		25.38		0.00	25.70
		50	0		24.46		1.00	24.70		24.46		1.00	24.70
		50	24		24.51		1.00	24.70		24.51		1.00	24.70
		50	50		24.49		1.00	24.70		24.49		1.00	24.70
	16QAM	100	0		24.46		1.00	24.70		24.46		1.00	24.70
		1	0		24.18		1.00	24.70		24.18		1.00	24.70
		1	49		24.21		1.00	24.70		24.21		1.00	24.70
		1	99		24.70		1.00	24.70		24.70		1.00	24.70
		50	0		23.46		2.00	23.70		23.46		2.00	23.70
		50	24		23.50		2.00	23.70		23.50		2.00	23.70
	64QAM	50	50		23.49		2.00	23.70		23.49		2.00	23.70
		100	0		23.20		2.00	23.70		23.20		2.00	23.70
		1	0		23.59		2.00	23.70		23.59		2.00	23.70
		1	49		23.48		2.00	23.70		23.48		2.00	23.70
		1	99		23.42		2.00	23.70		23.42		2.00	23.70
		50	0		22.56		3.00	22.70		22.56		3.00	22.70
	256QAM	50	24		22.35		3.00	22.70		22.35		3.00	22.70
		50	50		22.48		3.00	22.70		22.48		3.00	22.70
		100	0		22.56		3.00	22.70		22.56		3.00	22.70
		1	0		20.38		5.00	20.70		20.38		5.00	20.70
		1	49		20.51		5.00	20.70		20.51		5.00	20.70
		1	99		20.44		5.00	20.70		20.44		5.00	20.70
15 MHz	QPSK	50	0		20.54		5.00	20.70		20.54		5.00	20.70
		50	24		20.53		5.00	20.70		20.53		5.00	20.70
		50	50		20.54		5.00	20.70		20.54		5.00	20.70
		100	0		20.31		5.00	20.70		20.31		5.00	20.70
		1	0		25.43		0.00	25.70		25.43		0.00	25.70
		1	37		25.49		0.00	25.70		25.49		0.00	25.70
	16QAM	1	74		25.38		0.00	25.70		25.38		0.00	25.70
		36	0		24.45		1.00	24.70		24.45		1.00	24.70
		36	20		24.51		1.00	24.70		24.51		1.00	24.70
		36	39		24.53		1.00	24.70		24.53		1.00	24.70
		75	0		24.47		1.00	24.70		24.47		1.00	24.70
		1	0		24.09		1.00	24.70		24.09		1.00	24.70
64QAM	1	37		24.15		1.00	24.70		24.15		1.00	24.70	
	1	74		24.64		1.00	24.70		24.64		1.00	24.70	
	36	0		23.52		2.00	23.70		23.52		2.00	23.70	
	36	20		23.54		2.00	23.70		23.54		2.00	23.70	
	36	39		23.60		2.00	23.70		23.60		2.00	23.70	
	75	0		23.35		2.00	23.70		23.35		2.00	23.70	
256QAM	1	0		23.35		2.00	23.70		23.35		2.00	23.70	
	1	37		23.52		2.00	23.70		23.52		2.00	23.70	
	1	74		23.58		2.00	23.70		23.58		2.00	23.70	
	36	0		22.50		3.00	22.70		22.50		3.00	22.70	
	36	20		22.54		3.00	22.70		22.54		3.00	22.70	
	36	39		22.32		3.00	22.70		22.32		3.00	22.70	
256QAM	75	0		22.59		3.00	22.70		22.59		3.00	22.70	
	1	0		20.38		5.00	20.70		20.38		5.00	20.70	
	1	37		20.48		5.00	20.70		20.48		5.00	20.70	
	1	74		20.36		5.00	20.70		20.36		5.00	20.70	
	36	0		20.32		5.00	20.70		20.32		5.00	20.70	
	36	20		20.41		5.00	20.70		20.41		5.00	20.70	
256QAM	36	39		20.49		5.00	20.70		20.49		5.00	20.70	
	75	0		20.55		5.00	20.70		20.55		5.00	20.70	

LTE Band 71 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				133172	133297	133422	MPR	Tune-up Limit	133172	133297	133422	MPR	Tune-up Limit
				668 MHz	680.5 MHz	693 MHz			668 MHz	680.5 MHz	693 MHz		
10 MHz	QPSK	1	0	25.31	25.38	25.43	0.00	25.70	25.31	25.38	25.43	0.00	25.70
		1	25	25.26	25.39	25.34	0.00	25.70	25.26	25.39	25.34	0.00	25.70
		1	49	25.22	25.36	25.25	0.00	25.70	25.22	25.36	25.25	0.00	25.70
		25	0	24.44	24.51	24.37	1.00	24.70	24.44	24.51	24.37	1.00	24.70
		25	12	24.44	24.50	24.35	1.00	24.70	24.44	24.50	24.35	1.00	24.70
		25	25	24.39	24.55	24.36	1.00	24.70	24.39	24.55	24.36	1.00	24.70
	16QAM	50	0	24.42	24.48	24.36	1.00	24.70	24.42	24.48	24.36	1.00	24.70
		1	0	24.48	24.45	24.08	1.00	24.70	24.48	24.45	24.08	1.00	24.70
		1	25	24.31	24.42	23.97	1.00	24.70	24.31	24.42	23.97	1.00	24.70
		1	49	24.35	24.35	24.51	1.00	24.70	24.35	24.35	24.51	1.00	24.70
		25	0	23.12	23.68	23.61	2.00	23.70	23.12	23.68	23.61	2.00	23.70
		25	12	23.43	23.60	23.49	2.00	23.70	23.43	23.60	23.49	2.00	23.70
	64QAM	25	25	23.58	23.68	23.39	2.00	23.70	23.58	23.68	23.39	2.00	23.70
		50	0	23.30	23.45	23.54	2.00	23.70	23.30	23.45	23.54	2.00	23.70
		1	0	23.30	23.49	23.38	2.00	23.70	23.30	23.49	23.38	2.00	23.70
		1	25	23.50	23.40	23.57	2.00	23.70	23.50	23.40	23.57	2.00	23.70
		1	49	23.33	23.56	23.57	2.00	23.70	23.33	23.56	23.57	2.00	23.70
		25	0	22.46	22.60	22.42	3.00	22.70	22.46	22.60	22.42	3.00	22.70
	256QAM	25	12	22.43	22.50	22.59	3.00	22.70	22.43	22.50	22.59	3.00	22.70
		25	25	22.43	22.35	22.47	3.00	22.70	22.43	22.35	22.47	3.00	22.70
		50	0	22.45	22.32	22.52	3.00	22.70	22.45	22.32	22.52	3.00	22.70
		1	0	20.50	20.46	20.55	5.00	20.70	20.50	20.46	20.55	5.00	20.70
		1	25	20.31	20.50	20.33	5.00	20.70	20.31	20.50	20.33	5.00	20.70
		1	49	20.51	20.45	20.44	5.00	20.70	20.51	20.45	20.44	5.00	20.70
5 MHz	QPSK	25	0	20.59	20.59	20.38	5.00	20.70	20.59	20.59	20.38	5.00	20.70
		25	12	20.51	20.44	20.58	5.00	20.70	20.51	20.44	20.58	5.00	20.70
		25	25	20.32	20.47	20.40	5.00	20.70	20.32	20.47	20.40	5.00	20.70
		50	0	20.44	20.38	20.54	5.00	20.70	20.44	20.38	20.54	5.00	20.70
	16QAM	1	0	25.50	25.60	25.37	0.00	25.70	25.50	25.60	25.37	0.00	25.70
		1	12	25.40	25.57	25.30	0.00	25.70	25.40	25.57	25.30	0.00	25.70
		1	24	25.42	25.52	25.23	0.00	25.70	25.42	25.52	25.23	0.00	25.70
		12	0	24.54	24.52	24.42	1.00	24.70	24.54	24.52	24.42	1.00	24.70
		12	7	24.49	24.54	24.38	1.00	24.70	24.49	24.54	24.38	1.00	24.70
		12	13	24.41	24.50	24.28	1.00	24.70	24.41	24.50	24.28	1.00	24.70
	64QAM	25	0	24.47	24.49	24.37	1.00	24.70	24.47	24.49	24.37	1.00	24.70
		1	0	24.64	24.62	24.21	1.00	24.70	24.64	24.62	24.21	1.00	24.70
		1	12	24.55	24.61	24.04	1.00	24.70	24.55	24.61	24.04	1.00	24.70
		1	24	24.55	24.68	24.48	1.00	24.70	24.55	24.68	24.48	1.00	24.70
		12	0	23.45	23.54	23.62	2.00	23.70	23.45	23.54	23.62	2.00	23.70
		12	7	23.41	23.65	23.61	2.00	23.70	23.41	23.65	23.61	2.00	23.70
	256QAM	12	13	23.43	23.67	23.28	2.00	23.70	23.43	23.67	23.28	2.00	23.70
		25	0	23.19	23.43	23.22	2.00	23.70	23.19	23.43	23.22	2.00	23.70
		1	0	23.35	23.51	23.42	2.00	23.70	23.35	23.51	23.42	2.00	23.70
		1	12	23.48	23.37	23.53	2.00	23.70	23.48	23.37	23.53	2.00	23.70
		1	24	23.32	23.41	23.59	2.00	23.70	23.32	23.41	23.59	2.00	23.70
		12	0	22.58	22.57	22.37	3.00	22.70	22.58	22.57	22.37	3.00	22.70
	64QAM	12	7	22.52	22.45	22.54	3.00	22.70	22.52	22.45	22.54	3.00	22.70
		12	13	22.36	22.45	22.45	3.00	22.70	22.36	22.45	22.45	3.00	22.70
		25	0	22.53	22.36	22.52	3.00	22.70	22.53	22.36	22.52	3.00	22.70
		1	0	20.44	20.45	20.43	5.00	20.70	20.44	20.45	20.43	5.00	20.70
		1	12	20.50	20.39	20.52	5.00	20.70	20.50	20.39	20.52	5.00	20.70
		1	24	20.58	20.31	20.37	5.00	20.70	20.58	20.31	20.37	5.00	20.70
	256QAM	12	0	20.37	20.45	20.30	5.00	20.70	20.37	20.45	20.30	5.00	20.70
		12	7	20.39	20.60	20.55	5.00	20.70	20.39	20.60	20.55	5.00	20.70
		12	13	20.48	20.41	20.55	5.00	20.70	20.48	20.41	20.55	5.00	20.70
		25	0	20.55	20.46	20.59	5.00	20.70	20.55	20.46	20.59	5.00	20.70

LTE Band 71 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
				133297 680.5 MHz		MPR	Tune-up Limit	133297 680.5 MHz		MPR	Tune-up Limit
20 MHz	QPSK	1	0	24.35		0.00	24.50	24.35		0.00	24.50
		1	49	24.42		0.00	24.50	24.42		0.00	24.50
		1	99	24.41		0.00	24.50	24.41		0.00	24.50
		50	0	23.23		1.00	23.50	23.23		1.00	23.50
		50	24	23.39		1.00	23.50	23.39		1.00	23.50
		50	50	23.28		1.00	23.50	23.28		1.00	23.50
	16QAM	100	0	23.50		1.00	23.50	23.50		1.00	23.50
		1	0	23.06		1.00	23.50	23.06		1.00	23.50
		1	49	23.23		1.00	23.50	23.23		1.00	23.50
		1	99	23.02		1.00	23.50	23.02		1.00	23.50
		50	0	22.02		2.00	22.50	22.02		2.00	22.50
		50	24	22.03		2.00	22.50	22.03		2.00	22.50
	64QAM	50	50	22.24		2.00	22.50	22.24		2.00	22.50
		100	0	22.02		2.00	22.50	22.02		2.00	22.50
		1	0	22.06		2.00	22.50	22.06		2.00	22.50
		1	49	22.19		2.00	22.50	22.19		2.00	22.50
		1	99	22.19		2.00	22.50	22.19		2.00	22.50
		50	0	21.04		3.00	21.50	21.04		3.00	21.50
	256QAM	50	24	20.96		3.00	21.50	20.96		3.00	21.50
		50	50	20.96		3.00	21.50	20.96		3.00	21.50
		100	0	20.96		3.00	21.50	20.96		3.00	21.50
		1	0	19.19		5.00	19.50	19.19		5.00	19.50
		1	49	18.96		5.00	19.50	18.96		5.00	19.50
		1	99	19.22		5.00	19.50	19.22		5.00	19.50
15 MHz	QPSK	50	0	19.17		5.00	19.50	19.17		5.00	19.50
		50	24	19.09		5.00	19.50	19.09		5.00	19.50
		100	0	18.99		5.00	19.50	18.99		5.00	19.50
		100	0	19.17		5.00	19.50	19.17		5.00	19.50
		1	0	24.25		0.00	24.50	24.25		0.00	24.50
		1	37	24.21		0.00	24.50	24.21		0.00	24.50
	16QAM	1	74	24.06		0.00	24.50	24.06		0.00	24.50
		36	0	23.18		1.00	23.50	23.18		1.00	23.50
		36	20	23.06		1.00	23.50	23.06		1.00	23.50
		36	39	23.11		1.00	23.50	23.11		1.00	23.50
		75	0	23.18		1.00	23.50	23.18		1.00	23.50
		1	0	23.16		1.00	23.50	23.16		1.00	23.50
	64QAM	1	37	23.20		1.00	23.50	23.20		1.00	23.50
		1	74	22.97		1.00	23.50	22.97		1.00	23.50
		36	0	22.16		2.00	22.50	22.16		2.00	22.50
		36	20	21.98		2.00	22.50	21.98		2.00	22.50
		36	39	22.21		2.00	22.50	22.21		2.00	22.50
		75	0	22.22		2.00	22.50	22.22		2.00	22.50
	256QAM	1	0	22.16		2.00	22.50	22.16		2.00	22.50
		1	37	22.21		2.00	22.50	22.21		2.00	22.50
		1	74	21.97		2.00	22.50	21.97		2.00	22.50
		36	0	21.00		3.00	21.50	21.00		3.00	21.50
		36	20	21.12		3.00	21.50	21.12		3.00	21.50
		36	39	21.01		3.00	21.50	21.01		3.00	21.50
	256QAM	75	0	21.02		3.00	21.50	21.02		3.00	21.50
		1	0	19.16		5.00	19.50	19.16		5.00	19.50
		1	37	19.17		5.00	19.50	19.17		5.00	19.50
		1	74	19.03		5.00	19.50	19.03		5.00	19.50
		36	0	19.15		5.00	19.50	19.15		5.00	19.50
		36	20	19.10		5.00	19.50	19.10		5.00	19.50
	256QAM	36	39	19.10		5.00	19.50	19.10		5.00	19.50
		75	0	19.14		5.00	19.50	19.14		5.00	19.50

LTE Band 71 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				133172	133297	133422	MPR	Tune-up Limit	133172	133297	133422	MPR	Tune-up Limit
				668 MHz	680.5 MHz	693 MHz			668 MHz	680.5 MHz	693 MHz		
10 MHz	QPSK	1	0		24.21		0.00	24.50		24.21		0.00	24.50
		1	25		24.19		0.00	24.50		24.19		0.00	24.50
		1	49		24.01		0.00	24.50		24.01		0.00	24.50
		25	0		23.00		1.00	23.50		23.00		1.00	23.50
		25	12		23.13		1.00	23.50		23.13		1.00	23.50
		25	25		23.07		1.00	23.50		23.07		1.00	23.50
	16QAM	50	0		22.97		1.00	23.50		22.97		1.00	23.50
		1	0		23.18		1.00	23.50		23.18		1.00	23.50
		1	25		23.17		1.00	23.50		23.17		1.00	23.50
		1	49		23.12		1.00	23.50		23.12		1.00	23.50
		25	0		22.02		2.00	22.50		22.02		2.00	22.50
		25	12		22.21		2.00	22.50		22.21		2.00	22.50
	64QAM	25	25		22.00		2.00	22.50		22.00		2.00	22.50
		50	0		22.23		2.00	22.50		22.23		2.00	22.50
		1	0		22.23		2.00	22.50		22.23		2.00	22.50
		1	25		22.12		2.00	22.50		22.12		2.00	22.50
		1	49		22.22		2.00	22.50		22.22		2.00	22.50
		25	0		21.21		3.00	21.50		21.21		3.00	21.50
	256QAM	25	12		21.14		3.00	21.50		21.14		3.00	21.50
		25	25		21.07		3.00	21.50		21.07		3.00	21.50
		50	0		21.01		3.00	21.50		21.01		3.00	21.50
		1	0		19.18		5.00	19.50		19.18		5.00	19.50
		1	25		19.24		5.00	19.50		19.24		5.00	19.50
		1	49		18.99		5.00	19.50		18.99		5.00	19.50
		25	0		19.06		5.00	19.50		19.06		5.00	19.50
		25	12		19.01		5.00	19.50		19.01		5.00	19.50
5 MHz	QPSK	25	25		19.07		5.00	19.50		19.07		5.00	19.50
		50	0		19.24		5.00	19.50		19.24		5.00	19.50
	16QAM	1	0		23.12		1.00	23.50		23.12		1.00	23.50
		1	12		23.02		1.00	23.50		23.02		1.00	23.50
		1	24		23.21		1.00	23.50		23.21		1.00	23.50
		12	0		21.96		2.00	22.50		21.96		2.00	22.50
	64QAM	12	7		22.19		2.00	22.50		22.19		2.00	22.50
		12	13		22.04		2.00	22.50		22.04		2.00	22.50
		25	0		21.97		2.00	22.50		21.97		2.00	22.50
	256QAM	1	0		21.99		2.00	22.50		21.99		2.00	22.50
		1	12		22.04		2.00	22.50		22.04		2.00	22.50
		1	24		22.01		2.00	22.50		22.01		2.00	22.50
		12	0		21.05		3.00	21.50		21.05		3.00	21.50
		12	7		20.96		3.00	21.50		20.96		3.00	21.50
		12	13		21.06		3.00	21.50		21.06		3.00	21.50
	256QAM	25	0		20.96		3.00	21.50		20.96		3.00	21.50
		1	0		19.22		5.00	19.50		19.22		5.00	19.50
		1	12		19.04		5.00	19.50		19.04		5.00	19.50
		1	24		19.11		5.00	19.50		19.11		5.00	19.50
		12	0		19.06		5.00	19.50		19.06		5.00	19.50
		12	7		19.03		5.00	19.50		19.03		5.00	19.50
		12	13		19.24		5.00	19.50		19.24		5.00	19.50
		25	0		19.07		5.00	19.50		19.07		5.00	19.50

9.5. LTE Up-Link Carrier Aggregation

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

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

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

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

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

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

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

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

Where M_A is defined as follows

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

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

and M_{IM5} is defined as follows

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

Where

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

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

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

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

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

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

Where M_N is defined as follows

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

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

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

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

Set to CMW-500 with following parameters:

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

LTE Signaling 1 - V3.5.40 - Base V 3.5.90

Connection Status

Cell: Connection Established

Packet Switched: Connection Established

RRC State: Connected

SCC1 State: MAC Activated

Event Log

02:17:19 Redirection Successful

02:17:18 Tracking Area Update Received

02:17:18 RRC Connection Established

02:17:17 RRC Connection Released

02:17:16 Redirection Start

02:17:12 Redirection Successful

UE Info

IMEI: 359250065123018

IMSI: 001010000150503

Voice Domain Pr... IMS PS Voice preferred CS Voice

UE's Usage Settl... Voice centric

Default Bearer IPv4 address: 192.168.48.129fc01:abab:cdc

Dedicated Bearer TFT Port Range DL / UL: 5005 - 5008 / 5005 - 5008

PCC | **SCC1** | **SCC2** | **SCC3**

Operating Band: **Band 7** FDD

Downlink: 2850 Ch, 2630.0 MHz

Uplink: 20850 Ch, 2510.0 MHz

Cell Bandwidth: 20.0 MHz

RS EPRE: -85.0 dBm/15kHz

Full Cell BW Pow.: -54.2 dBm

PUSCH Open Loop Nom.Power: 23 dBm

PUSCH Closed Loop Target Power: 33.0 dBm

Sched. **User def. Channels** Multicenter UL

Downlink | **Uplink**

#RB: 100 | 50

Start RB: 0 | 0

Mod / TBSI: QPSK 5 | QPSK 10

Code Rate / TBS: 0.320 8760 | 0.612 8760

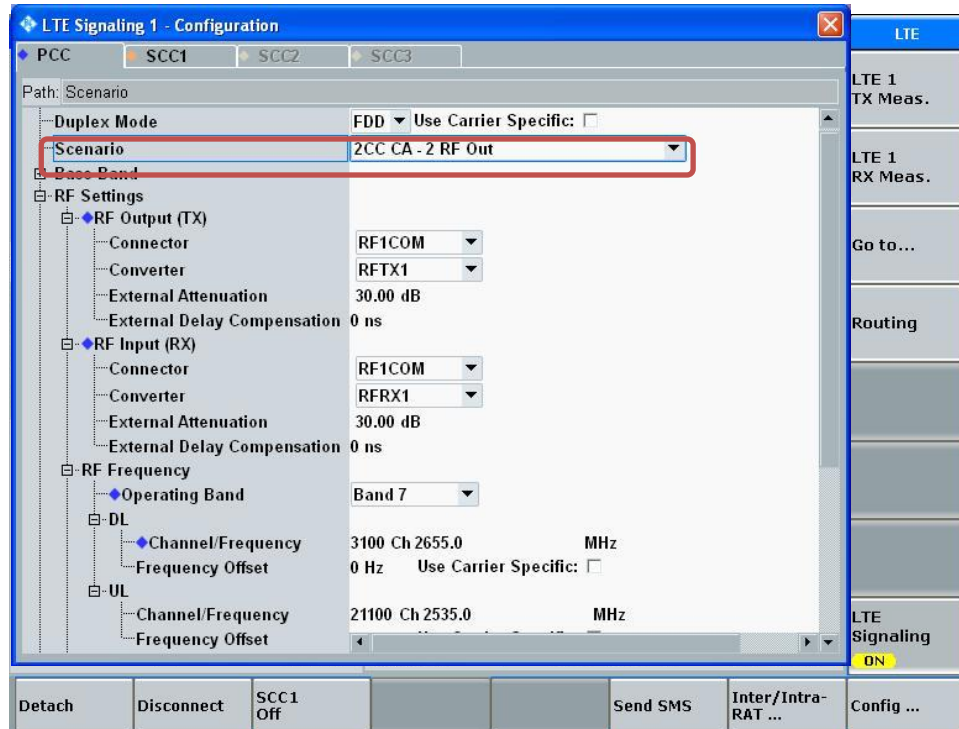
Throughput: 8.760 Mbit/s | 8.760 Mbit/s

LTE Signaling ON

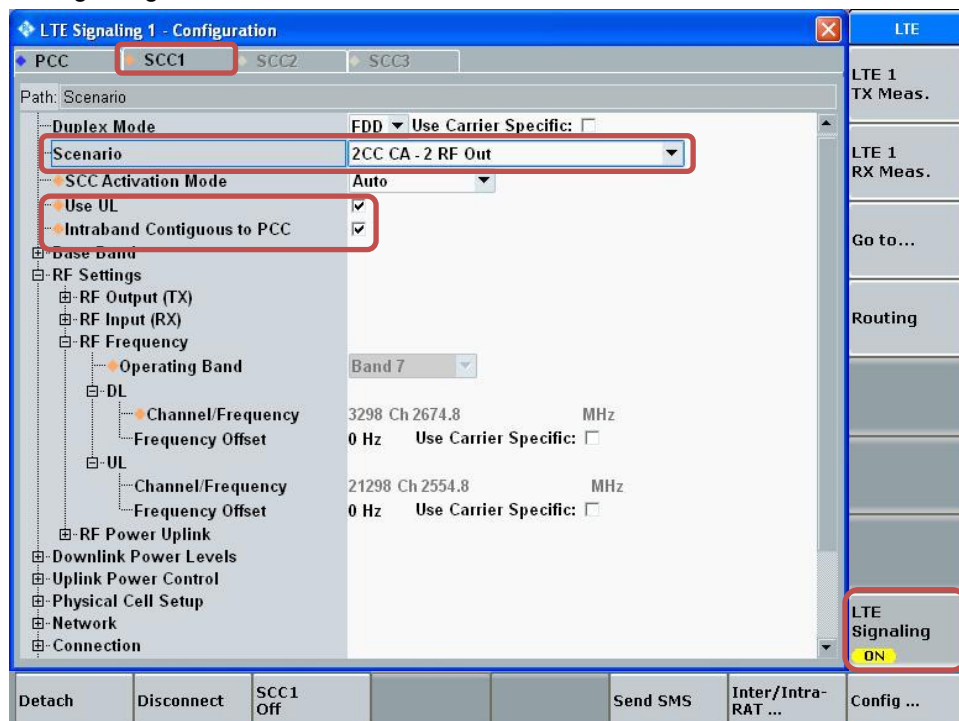
Config ...

- 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

The screenshot displays the LTE Signaling 1 - V3.5.40 - Base V 3.5.90 interface. The SCC1 tab is selected, and the configuration for the testing Cell Bandwidth and Uplink RBs is highlighted with a red box.

Connection Status: Cell, Packet Switched, Connection Established, RRC State Connected, SCC1 State MAC Activated.

Event Log: 02:17:19 Redirection Successful, 02:17:18 Tracking Area Update Received, 02:17:18 RRC Connection Established, 02:17:17 RRC Connection Released, 02:17:16 Redirection Start, 02:17:12 Redirection Successful.

UE Info: IMEI 359250065123018, IMSI 001010000150503, Voice Domain Pr... IMS PS Voice preferred CS Voic, UE's Usage Settl... Voice centric, Default Bearer IPv4 address 192.168.48.129fc01:abab:cdcl, IPv6 pref, Dedicated Bearer TFT Port Range DL / UL 5005 - 5008 / 5005 - 5008.

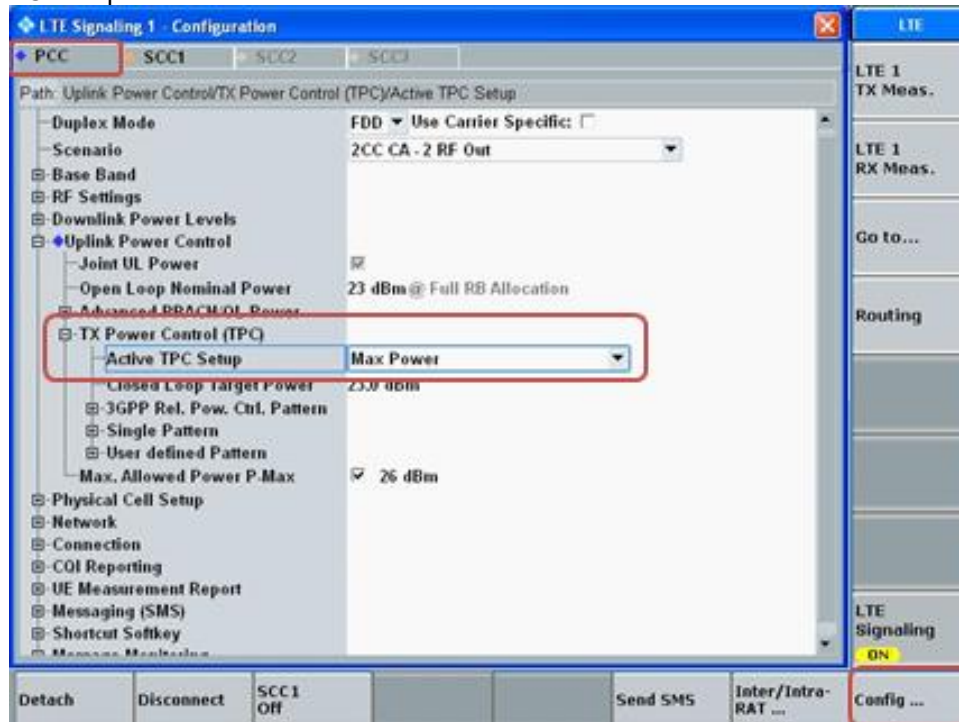
SCC1 Configuration:

Parameter	Downlink	Uplink
Operating Band	Band 7	FDD
Channel	3048 Ch	21048 Ch
Frequency	2649.8 MHz	2529.8 MHz
Cell Bandwidth	20.0 MHz	20.0 MHz
RS EPRE	-85.8 dBm/15kHz	
Full Cell BW Pow.	-55.0 dBm	
PUSCH Open Loop Nom.Power		23 dBm
PUSCH Closed Loop Target Power		33.0 dBm
Intraband Contiguous to PCC		☒
PCC <-> SCC1	Swap	
PCC -> SCC1	Copy	
Sched.	User def. Channels	Multicenter UL
#RB	100	100
Start RB	0	0
Mod / TBSI	QPSK 5	QPSK 10
Code Rate / TBS	0.320 8760	0.613 17568
Throughput	8.760 Mbit/s	17.568 Mbit/s

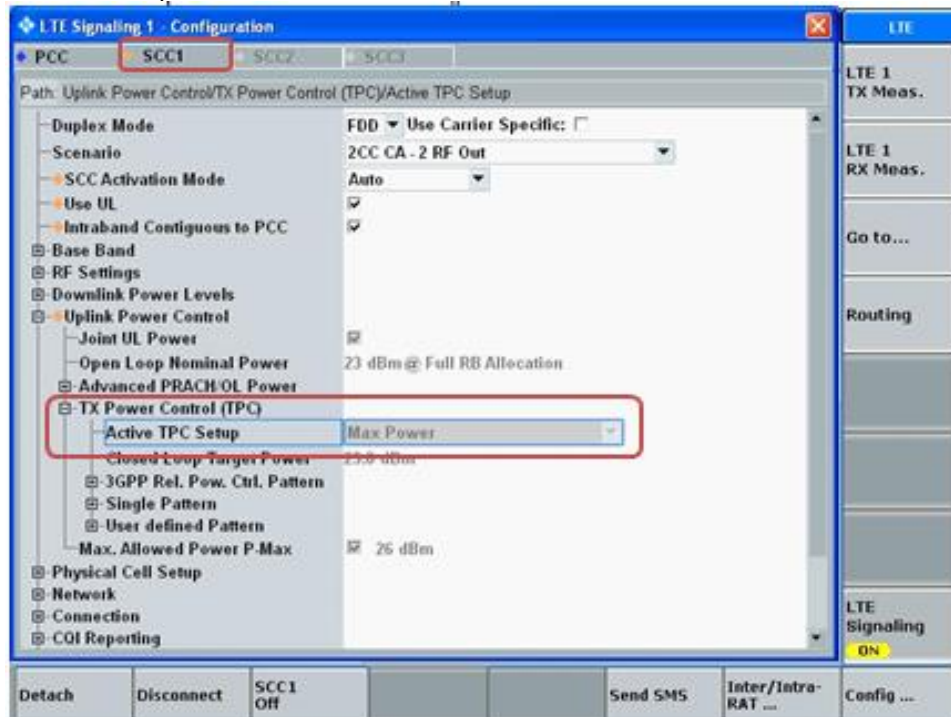
Buttons: Detach, Disconnect, SCC1 Off, Send SMS, Inter/Intra-RAT ..., Config ...

Max Power Setting

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

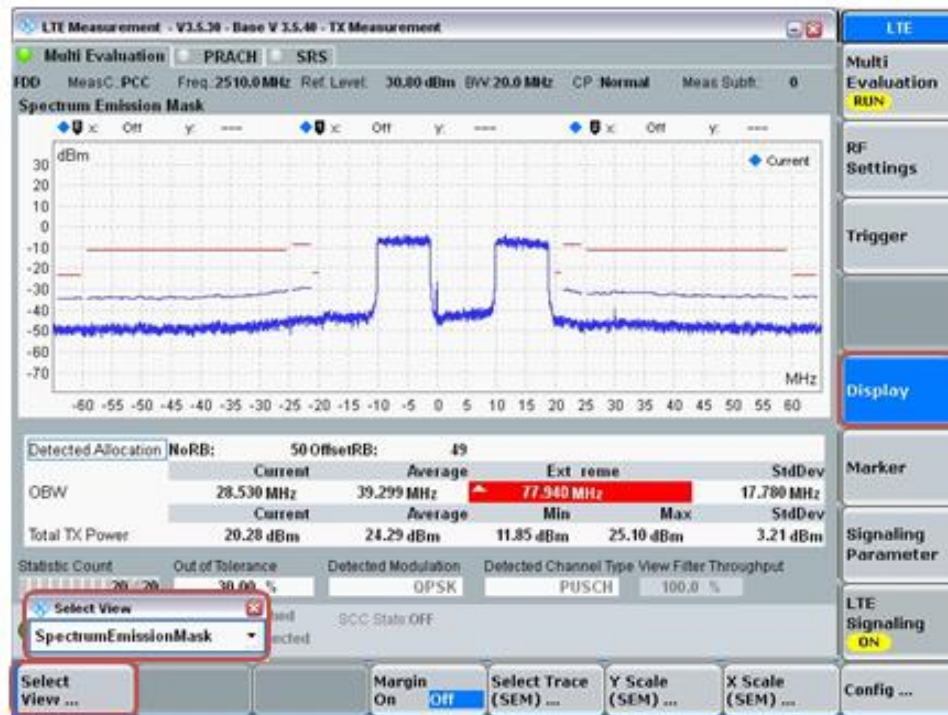


- Select SCC1 tab
- Verify that “Active TPC Setup” is set to “Max Power”



View TX Power

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



LTE Intra-Band Contiguous Carrier Aggregation

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

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

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

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

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

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

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

Intra-Band Contiguous	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
CA_5B	QPSK	25.70	25.25	24.50	24.50				
CA_7C	QPSK	25.25	19.00	19.00	19.25	24.50	19.00	19.50	20.25
CA_41C (PC3)	QPSK	25.70	22.50	19.75	21.00	24.70	21.75	21.25	22.20
CA_41C (PC2)	QPSK	27.25	N/A	N/A	N/A	25.70	N/A	N/A	22.25
Intra-Band Contiguous	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT7		ANT8		ANT9		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
CA_48C	QPSK	25.70	21.50	20.25	21.50	25.70	23.00	20.00	21.50

LTE CA 5B Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_5B	ANT 1	Mode A	QPSK	10	831.6	1	49	5	841.5	1	0	25.70	25.67	25.70	25.55	-0.1
CA_5B	ANT 1	Mode B	QPSK	10	831.6	1	49	5	841.5	1	0	25.25	25.07	25.25	25.17	0.1
CA_5B	ANT 2	Mode A	QPSK	10	831.6	1	49	5	841.5	1	0	24.50	24.44	24.50	24.26	-0.2
CA_5B	ANT 2	Mode B	QPSK	10	831.6	1	49	5	841.5	1	0	24.50	24.44	24.50	24.28	-0.2

Note(s):

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

LTE CA 7C Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_7C	ANT 1	Mode A	QPSK	20	2525.1	1	99	20	2544.9	1	0	25.25	25.24	25.25	25.16	-0.1
CA_7C	ANT 1	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	19.00	18.86	19.00	18.90	0.0
CA_7C	ANT 1	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	19.00	18.86	19.00	18.68	-0.2
CA_7C	ANT 2	Mode A	QPSK	20	2540.2	1	99	20	2560	1	0	19.00	18.94	19.00	18.95	0.0
CA_7C	ANT 2	Mode B	QPSK	20	2540.2	1	99	20	2560	1	0	19.25	19.01	19.25	19.11	0.1
CA_7C	ANT 3	Mode A	QPSK	20	2525.1	1	99	20	2544.9	1	0	24.50	24.35	24.50	24.19	-0.2
CA_7C	ANT 3	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	19.00	18.96	19.00	18.73	-0.2
CA_7C	ANT 3	Mode B	QPSK	20	2510.0	1	99	20	2529.8	1	0	19.00	18.96	19.00	18.77	-0.2
CA_7C	ANT 4	Mode A	QPSK	20	2510.0	1	99	20	2529.8	1	0	19.50	19.50	19.50	19.45	-0.1
CA_7C	ANT 4	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	20.25	20.24	20.25	20.07	-0.2
CA_7C	ANT 4	Mode B	QPSK	20	2510	1	99	20	2529.8	1	0	20.25	20.24	20.25	20.12	-0.1

Note(s):

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

LTE CA 41C (PC3) Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_41C	ANT 1	Mode A	QPSK	20	2583.1	1	99	20	2602.9	1	0	25.70	25.10	25.70	25.05	0.0
CA_41C	ANT 1	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	22.50	22.00	22.50	22.23	0.2
CA_41C	ANT 1	Mode B	QPSK	20	2506.0	1	99	20	2525.8	1	0	22.50	22.00	22.50	21.96	0.0
CA_41C	ANT 2	Mode A	QPSK	20	2660.2	1	99	20	2680	1	0	19.75	19.52	19.75	19.57	0.1
CA_41C	ANT 2	Mode B	QPSK	20	2660.2	1	99	20	2680.0	1	0	21.00	20.42	21.00	20.40	0.0
CA_41C	ANT 3	Mode A	QPSK	20	2583.1	1	99	20	2602.9	1	0	24.70	24.45	24.70	24.40	-0.1
CA_41C	ANT 3	Mode B	QPSK	20	2506	1	99	20	2525.8	1	0	21.75	21.65	21.75	21.42	-0.2
CA_41C	ANT 4	Mode A	QPSK	20	2506.0	1	99	20	2525.8	1	0	21.25	21.25	21.25	21.04	-0.2
CA_41C	ANT 4	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	22.20	21.75	22.20	21.60	-0.2
CA_41C	ANT 4	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	22.20	21.75	22.20	21.98	0.2

Note(s):

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

LTE CA 48C Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_48C	ANT 7	Mode A	QPSK	20	3615.1	1	99	20	3634.9	1	0	25.70	25.43	25.70	25.58	0.1
CA_48C	ANT 7	Mode B	QPSK	20	3560.0	1	99	20	3579.8	1	0	21.50	21.50	21.50	21.31	-0.2
CA_48C	ANT 7	Mode B	QPSK	20	3560.0	1	99	20	3579.8	1	0	21.50	21.50	21.50	21.29	-0.2
CA_48C	ANT 4	Mode A	QPSK	20	3670.2	1	99	20	3690.0	1	0	20.00	19.55	20.00	19.54	0.0
CA_48C	ANT 4	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	21.50	21.10	21.50	21.09	0.0
CA_48C	ANT 4	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	21.50	21.10	21.50	21.02	-0.1
CA_48C	ANT 9	Mode A	QPSK	20	3615.1	1	99	20	3634.9	1	0	25.70	25.53	25.70	25.33	-0.2
CA_48C	ANT 9	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	23.00	22.80	23.00	22.67	-0.1
CA_48C	ANT 9	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	23.00	22.80	23.00	22.59	-0.2
CA_48C	ANT 8	Mode A	QPSK	20	3615.1	1	99	20	3634.9	1	0	20.25	20.16	20.25	20.11	0.0
CA_48C	ANT 8	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	21.50	21.23	21.50	21.26	0.0

Note(s):

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

LTE Inter-Band Carrier Aggregation

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

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

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

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

UL CA inter-bands	RF Exposure Conditions	Antenna Ports				Standalone worst-case position				UL CA				
						Tune-up Limit (dBm)		Reported 1-g SAR (W/kg)		Tune-up Limit (-3dB) (dBm)		Reported 1-g SAR (W/kg)		
		CC1		CC2		CC1	CC2	CC1	CC2	CC1	CC2	CC1	CC2	CC1+CC2
CA_2A-5A	Head	ANT1	2A	ANT2	5A	25.70	24.50	0.339	0.832	22.70	21.50	0.170	0.417	0.587
		ANT2	2A	ANT1	5A	21.50	25.70	0.972	0.305	18.50	22.70	0.487	0.153	0.640
		ANT3	2A	ANT1	5A	24.70	25.70	0.763	0.305	21.70	22.70	0.382	0.153	0.535
		ANT3	2A	ANT2	5A	24.70	24.50	0.763	0.832	21.70	21.50	0.382	0.417	0.799
		ANT4	2A	ANT1	5A	20.50	25.70	0.925	0.305	17.50	22.70	0.464	0.153	0.617
		ANT4	2A	ANT2	5A	20.50	24.50	0.925	0.832	17.50	21.50	0.464	0.417	0.880
	Body	ANT1	2A	ANT2	5A	17.50	24.50	0.947	0.402	14.50	21.50	0.475	0.202	0.676
		ANT2	2A	ANT1	5A	19.25	25.25	0.991	0.816	16.25	22.25	0.497	0.409	0.906
		ANT3	2A	ANT1	5A	21.25	25.25	0.992	0.816	18.25	22.25	0.497	0.409	0.906
		ANT3	2A	ANT2	5A	21.25	24.50	0.992	0.402	18.25	21.50	0.497	0.202	0.699
		ANT4	2A	ANT1	5A	21.75	25.25	0.997	0.816	18.75	22.25	0.500	0.409	0.909
		ANT4	2A	ANT2	5A	21.75	24.50	0.997	0.402	18.75	21.50	0.500	0.202	0.701
CA_2A-12A	Head	ANT1	2A	ANT2	12A	25.70	24.50	0.339	0.833	22.70	21.50	0.170	0.417	0.587
		ANT2	2A	ANT1	12A	21.50	25.70	0.972	0.190	18.50	22.70	0.487	0.095	0.583
		ANT3	2A	ANT1	12A	24.70	25.70	0.763	0.190	21.70	22.70	0.382	0.095	0.478
		ANT3	2A	ANT2	12A	24.70	24.50	0.763	0.833	21.70	21.50	0.382	0.417	0.800
		ANT4	2A	ANT1	12A	20.50	25.70	0.925	0.190	17.50	22.70	0.464	0.095	0.559
		ANT4	2A	ANT2	12A	20.50	24.50	0.925	0.833	17.50	21.50	0.464	0.417	0.881
	Body	ANT1	2A	ANT2	12A	17.50	24.50	0.947	0.361	14.50	21.50	0.475	0.181	0.655
		ANT2	2A	ANT1	12A	19.25	25.70	0.991	0.536	16.25	22.70	0.497	0.268	0.765
		ANT3	2A	ANT1	12A	21.25	25.70	0.992	0.536	18.25	22.70	0.497	0.268	0.766
		ANT3	2A	ANT2	12A	21.25	24.50	0.992	0.361	18.25	21.50	0.497	0.181	0.678
		ANT4	2A	ANT1	12A	21.75	25.70	0.997	0.536	18.75	22.70	0.500	0.268	0.768
		ANT4	2A	ANT2	12A	21.75	24.50	0.997	0.361	18.75	21.50	0.500	0.181	0.681
CA_2A-13A	Head	ANT1	2A	ANT2	13A	25.70	24.50	0.339	0.674	22.70	21.50	0.170	0.338	0.507
		ANT2	2A	ANT1	13A	21.50	25.70	0.972	0.200	18.50	22.70	0.487	0.100	0.588
		ANT3	2A	ANT1	13A	24.70	25.70	0.763	0.200	21.70	22.70	0.382	0.100	0.483
		ANT3	2A	ANT2	13A	24.70	24.50	0.763	0.674	21.70	21.50	0.382	0.338	0.720
		ANT4	2A	ANT1	13A	20.50	25.70	0.925	0.200	17.50	22.70	0.464	0.100	0.564
		ANT4	2A	ANT2	13A	20.50	24.50	0.925	0.674	17.50	21.50	0.464	0.338	0.801
	Body	ANT1	2A	ANT2	13A	17.50	24.50	0.947	0.355	14.50	21.50	0.475	0.178	0.653
		ANT2	2A	ANT1	13A	19.25	25.70	0.991	0.706	16.25	22.70	0.497	0.354	0.850
		ANT3	2A	ANT1	13A	21.25	25.70	0.992	0.706	18.25	22.70	0.497	0.354	0.851
		ANT3	2A	ANT2	13A	21.25	24.50	0.992	0.355	18.25	21.50	0.497	0.178	0.675
		ANT4	2A	ANT1	13A	21.75	25.70	0.997	0.706	18.75	22.70	0.500	0.354	0.853
		ANT4	2A	ANT2	13A	21.75	24.50	0.997	0.355	18.75	21.50	0.500	0.178	0.678
CA_4A-5A	Head	ANT1	4A	ANT2	5A	25.70	24.50	0.405	0.832	22.70	21.50	0.203	0.417	0.620
		ANT2	4A	ANT1	5A	20.00	25.70	0.944	0.305	17.00	22.70	0.473	0.153	0.626
		ANT3	4A	ANT1	5A	24.70	25.70	0.446	0.305	21.70	22.70	0.224	0.153	0.377
		ANT3	4A	ANT2	5A	24.70	24.50	0.446	0.832	21.70	21.50	0.224	0.417	0.641
		ANT4	4A	ANT1	5A	20.00	25.70	0.932	0.305	17.00	22.70	0.467	0.153	0.620
		ANT4	4A	ANT2	5A	20.00	24.50	0.932	0.832	17.00	21.50	0.467	0.417	0.884
	Body	ANT1	4A	ANT2	5A	18.50	24.50	0.976	0.402	15.50	21.50	0.489	0.202	0.691
		ANT2	4A	ANT1	5A	18.25	25.25	0.989	0.816	15.25	22.25	0.496	0.409	0.905
		ANT3	4A	ANT1	5A	20.75	25.25	0.933	0.816	17.75	22.25	0.467	0.409	0.877
		ANT3	4A	ANT2	5A	20.75	24.50	0.933	0.402	17.75	21.50	0.467	0.202	0.669
		ANT4	4A	ANT1	5A	21.25	25.25	0.951	0.816	18.25	22.25	0.477	0.409	0.886
		ANT4	4A	ANT2	5A	21.25	24.50	0.951	0.402	18.25	21.50	0.477	0.202	0.678
CA_4A-12A	Head	ANT1	4A	ANT2	12A	25.70	24.50	0.405	0.833	22.70	21.50	0.203	0.417	0.620
		ANT2	4A	ANT1	12A	20.00	25.70	0.944	0.190	17.00	22.70	0.473	0.095	0.568
		ANT3	4A	ANT1	12A	24.70	25.70	0.446	0.190	21.70	22.70	0.224	0.095	0.319
		ANT3	4A	ANT2	12A	24.70	24.50	0.446	0.833	21.70	21.50	0.224	0.417	0.641
		ANT4	4A	ANT1	12A	20.00	25.70	0.932	0.190	17.00	22.70	0.467	0.095	0.563
		ANT4	4A	ANT2	12A	20.00	24.50	0.932	0.833	17.00	21.50	0.467	0.417	0.885
	Body	ANT1	4A	ANT2	12A	18.50	24.50	0.976	0.361	15.50	21.50	0.489	0.181	0.670
		ANT2	4A	ANT1	12A	18.25	25.70	0.989	0.536	15.25	22.70	0.496	0.268	0.764
		ANT3	4A	ANT1	12A	20.75	25.70	0.933	0.536	17.75	22.70	0.467	0.268	0.736
		ANT3	4A	ANT2	12A	20.75	24.50	0.933	0.361	17.75	21.50	0.467	0.181	0.648
		ANT4	4A	ANT1	12A	21.25	25.70	0.951	0.536	18.25	22.70	0.477	0.268	0.745
		ANT4	4A	ANT2	12A	21.25	24.50	0.951	0.361	18.25	21.50	0.477	0.181	0.657

CA_4A-13A	Head	ANT1	4A	ANT2	13A	25.70	24.50	0.405	0.674	22.70	21.50	0.203	0.338	0.541
		ANT2	4A	ANT1	13A	20.00	25.70	0.944	0.200	17.00	22.70	0.473	0.100	0.573
		ANT3	4A	ANT1	13A	24.70	25.70	0.446	0.200	21.70	22.70	0.224	0.100	0.324
		ANT3	4A	ANT2	13A	24.70	24.50	0.446	0.674	21.70	21.50	0.224	0.338	0.561
		ANT4	4A	ANT1	13A	20.00	25.70	0.932	0.200	17.00	22.70	0.467	0.100	0.568
		ANT4	4A	ANT2	13A	20.00	24.50	0.932	0.674	17.00	21.50	0.467	0.338	0.805
	Body	ANT1	4A	ANT2	13A	18.50	24.50	0.976	0.355	15.50	21.50	0.489	0.178	0.667
		ANT2	4A	ANT1	13A	18.25	25.70	0.989	0.706	15.25	22.70	0.496	0.354	0.849
		ANT3	4A	ANT1	13A	20.75	25.70	0.933	0.706	17.75	22.70	0.467	0.354	0.821
		ANT3	4A	ANT2	13A	20.75	24.50	0.933	0.355	17.75	21.50	0.467	0.178	0.645
		ANT4	4A	ANT1	13A	21.25	25.70	0.951	0.706	18.25	22.70	0.477	0.354	0.830
CA_5A-7A	Head	ANT1	5A	ANT2	7A	25.70	19.00	0.305	0.996	22.70	16.00	0.153	0.499	0.652
		ANT1	5A	ANT3	7A	25.70	24.50	0.305	0.586	22.70	21.50	0.153	0.294	0.447
		ANT1	5A	ANT4	7A	25.70	19.50	0.305	0.958	22.70	16.50	0.153	0.480	0.633
		ANT2	5A	ANT1	7A	24.50	25.25	0.832	0.794	21.50	22.25	0.417	0.398	0.815
		ANT2	5A	ANT3	7A	24.50	24.50	0.832	0.586	21.50	21.50	0.417	0.294	0.710
		ANT2	5A	ANT4	7A	24.50	19.50	0.832	0.958	21.50	16.50	0.417	0.480	0.897
	Body	ANT1	5A	ANT2	7A	25.25	19.25	0.816	0.995	22.25	16.25	0.409	0.499	0.908
		ANT1	5A	ANT3	7A	25.25	19.00	0.816	0.988	22.25	16.00	0.409	0.495	0.904
		ANT1	5A	ANT4	7A	25.25	20.25	0.816	0.981	22.25	17.25	0.409	0.492	0.901
		ANT2	5A	ANT1	7A	24.50	19.00	0.402	0.997	21.50	16.00	0.202	0.499	0.701
		ANT2	5A	ANT3	7A	24.50	19.00	0.402	0.988	21.50	16.00	0.202	0.495	0.697
CA_5A-66A	Head	ANT1	5A	ANT2	66A	25.70	20.00	0.305	0.944	22.70	17.00	0.153	0.473	0.626
		ANT1	5A	ANT3	66A	25.70	24.70	0.305	0.446	22.70	21.70	0.153	0.224	0.377
		ANT1	5A	ANT4	66A	25.70	20.00	0.305	0.932	22.70	17.00	0.153	0.467	0.620
		ANT2	5A	ANT1	66A	24.50	25.70	0.832	0.405	21.50	22.70	0.417	0.203	0.620
		ANT2	5A	ANT3	66A	24.50	24.70	0.832	0.446	21.50	21.70	0.417	0.224	0.641
	Body	ANT2	5A	ANT4	66A	24.50	20.00	0.832	0.932	21.50	17.00	0.417	0.467	0.884
		ANT1	5A	ANT2	66A	25.25	18.25	0.816	0.989	22.25	15.25	0.409	0.496	0.905
		ANT1	5A	ANT3	66A	25.25	20.75	0.816	0.933	22.25	17.75	0.409	0.467	0.877
		ANT1	5A	ANT4	66A	25.25	21.25	0.816	0.951	22.25	18.25	0.409	0.477	0.886
		ANT2	5A	ANT1	66A	24.50	18.50	0.402	0.976	21.50	15.50	0.202	0.489	0.691
CA_12A-66A	Head	ANT2	5A	ANT3	66A	24.50	20.75	0.402	0.933	21.50	17.75	0.202	0.467	0.669
		ANT2	5A	ANT4	66A	24.50	21.25	0.402	0.951	21.50	18.25	0.202	0.477	0.678
	Body	ANT1	12A	ANT2	66A	25.70	20.00	0.190	0.944	22.70	17.00	0.095	0.473	0.568
		ANT1	12A	ANT3	66A	25.70	24.70	0.190	0.446	22.70	21.70	0.095	0.224	0.319
		ANT1	12A	ANT4	66A	25.70	20.00	0.190	0.932	22.70	17.00	0.095	0.467	0.563
		ANT2	12A	ANT1	66A	24.50	25.70	0.833	0.405	21.50	22.70	0.417	0.203	0.620
		ANT2	12A	ANT3	66A	24.50	24.70	0.833	0.446	21.50	21.70	0.417	0.224	0.641
CA_13A-66A	Head	ANT2	12A	ANT4	66A	24.50	20.00	0.833	0.932	21.50	17.00	0.417	0.467	0.885
		ANT1	12A	ANT2	66A	25.70	18.25	0.536	0.989	22.70	15.25	0.268	0.496	0.764
		ANT1	12A	ANT3	66A	25.70	20.75	0.536	0.933	22.70	17.75	0.268	0.467	0.736
		ANT1	12A	ANT4	66A	25.70	21.25	0.536	0.951	22.70	18.25	0.268	0.477	0.745
		ANT2	12A	ANT1	66A	24.50	18.50	0.361	0.976	21.50	15.50	0.181	0.489	0.670
	Body	ANT2	12A	ANT3	66A	24.50	20.75	0.361	0.933	21.50	17.75	0.181	0.467	0.648
		ANT2	12A	ANT4	66A	24.50	21.25	0.361	0.951	21.50	18.25	0.181	0.477	0.657
		ANT1	13A	ANT2	66A	25.70	20.00	0.200	0.944	22.70	17.00	0.100	0.473	0.573
		ANT1	13A	ANT3	66A	25.70	24.70	0.200	0.446	22.70	21.70	0.100	0.224	0.324
		ANT1	13A	ANT4	66A	25.70	20.00	0.200	0.932	22.70	17.00	0.100	0.467	0.568
CA_13A-66A	Head	ANT2	13A	ANT1	66A	24.50	25.70	0.674	0.405	21.50	22.70	0.338	0.203	0.541
		ANT2	13A	ANT3	66A	24.50	24.70	0.674	0.446	21.50	21.70	0.338	0.224	0.561
		ANT2	13A	ANT4	66A	24.50	20.00	0.674	0.932	21.50	17.00	0.338	0.467	0.805
		ANT1	13A	ANT2	66A	25.70	18.25	0.706	0.989	22.70	15.25	0.354	0.496	0.849
		ANT1	13A	ANT3	66A	25.70	20.75	0.706	0.933	22.70	17.75	0.354	0.467	0.821
	Body	ANT1	13A	ANT4	66A	25.70	21.25	0.706	0.951	22.70	18.25	0.354	0.477	0.830
		ANT2	13A	ANT1	66A	24.50	18.50	0.355	0.976	21.50	15.50	0.178	0.489	0.667
		ANT2	13A	ANT3	66A	24.50	20.75	0.355	0.933	21.50	17.75	0.178	0.467	0.645
		ANT2	13A	ANT4	66A	24.50	21.25	0.355	0.951	21.50	18.25	0.178	0.477	0.655

Conclusion:

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

9.6. LTE Down-Link Carrier Aggregation

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

9.7. 5G NR(FR1)

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

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

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

Modulation	MPR (dB)		
	Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM PI/2 BPSK	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
	$\leq 0.5^2$		0^2
DFT-s-OFDM QPSK	≤ 1		0
DFT-s-OFDM 16 QAM	≤ 2		≤ 1
DFT-s-OFDM 64 QAM		≤ 2.5	
DFT-s-OFDM 256 QAM		≤ 4.5	
CP-OFDM QPSK	≤ 3		≤ 1.5
CP-OFDM 16 QAM	≤ 3		≤ 2
CP-OFDM 64 QAM		≤ 3.5	
CP-OFDM 256 QAM		≤ 6.5	
NOTE 1: Applicable for UE operating in TDD mode with PI/2 BPSK modulation and UE indicates support for UE capability <i>powerBoosting-pi2BPSK</i> and if the IE <i>powerBoostPi2BPSK</i> is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0dB MPR is 26dBm.			
NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 and if the IE <i>powerBoostPi2BPSK</i> is set to 0 and if more than 40% of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.			

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

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

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

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

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

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

Maximum Output Power (Tune-up Limit) for 5G NR (FR1)

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

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

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

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

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

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

RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
NR n2	QPSK	25.70	17.50	21.50	19.25	24.70	21.25	20.50	21.75
NR n5	QPSK	25.70	25.25	24.50	24.50				
NR n12	QPSK	25.70	25.70	24.50	24.50				
NR n25	QPSK	25.70	17.50	21.50	19.25	24.70	21.25	20.50	21.75
NR n41 (PC3)	QPSK	25.25	20.50	17.75	19.00	24.50	19.75	19.25	20.25
NR n41 (PC2)	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NR n66	QPSK	25.70	18.50	20.00	18.25	24.70	20.75	20.00	21.25
NR n71	QPSK	25.70	25.70	24.50	24.50				
RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT7		ANT8		ANT9		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
NR n77	QPSK	25.70	19.75	18.00	18.50	25.70	20.75	16.25	17.00

NR Band 5 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					166800	167300	167800	MPR	Tune-up Limit	166800	167300	167800	MPR	Tune-up Limit
					834 MHz	836.6 MHz	839 MHz			834 MHz	836.6 MHz	839 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1		25.30		0.0	25.70		25.30		0.0	25.25
		QPSK	1	1		25.40		0.0	25.70		25.40		0.0	25.25
			1	53		25.70		0.0	25.70		25.70		0.0	25.25
			1	104		25.54		0.0	25.70		25.54		0.0	25.25
			50	0		24.35		1.0	24.70		24.35		1.0	24.25
			50	28		25.70		0.0	25.70		25.70		0.0	25.25
			50	56		24.37		1.0	24.70		24.37		1.0	24.25
			100	0		24.70		1.0	24.70		24.70		1.0	24.25
		16QAM	1	1		24.41	1.0	24.70		24.41	1.0	24.25		
		64QAM	1	1		23.08	2.5	23.20		23.08	2.5	22.75		
		256QAM	1	1		20.87	4.5	21.20		20.87	4.5	20.75		
	CP-OFDM	QPSK	1	1		24.04		1.5	24.20		24.04		1.5	23.75
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					166300	167300	168300	MPR	Tune-up Limit	166300	167300	168300	MPR	Tune-up Limit
					831.5 MHz	836.6 MHz	841.5 MHz			831.5 MHz	836.6 MHz	841.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1		25.54		0.0	25.70		25.54		0.0	25.25
		QPSK	1	1		25.48		0.0	25.70		25.48		0.0	25.25
			1	40		25.58		0.0	25.70		25.58		0.0	25.25
			1	77		25.42		0.0	25.70		25.42		0.0	25.25
			36	0		24.54		1.0	24.70		24.54		1.0	24.25
			36	22		25.58		0.0	25.70		25.58		0.0	25.25
			36	43		24.56		1.0	24.70		24.56		1.0	24.25
			75	0		24.55		1.0	24.70		24.55		1.0	24.25
		16QAM	1	1		24.48	1.0	24.70		24.48	1.0	24.25		
		64QAM	1	1		22.87	2.5	23.20		22.87	2.5	22.75		
		256QAM	1	1		20.81	4.5	21.20		20.81	4.5	20.75		
	CP-OFDM	QPSK	1	1		23.83		1.5	24.20		23.83		1.5	23.75
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					165800	167300	168800	MPR	Tune-up Limit	165800	167300	168800	MPR	Tune-up Limit
					829 MHz	836.6 MHz	844 MHz			829 MHz	836.6 MHz	844 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1		25.54		0.0	25.70		25.54		0.0	25.25
		QPSK	1	1		25.34		0.0	25.70		25.34		0.0	25.25
			1	26		25.60		0.0	25.70		25.60		0.0	25.25
			1	50		25.47		0.0	25.70		25.47		0.0	25.25
			25	0		24.55		1.0	24.70		24.55		1.0	24.25
			25	14		25.34		0.0	25.70		25.34		0.0	25.25
			25	27		24.54		1.0	24.70		24.54		1.0	24.25
			50	0		24.30		1.0	24.70		24.30		1.0	24.25
		16QAM	1	1		24.55	1.0	24.70		24.55	1.0	24.25		
		64QAM	1	1		22.89	2.5	23.20		22.89	2.5	22.75		
		256QAM	1	1		20.91	4.5	21.20		20.91	4.5	20.75		
	CP-OFDM	QPSK	1	1		24.08		1.5	24.20		24.08		1.5	23.75
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					165300	167300	169300	MPR	Tune-up Limit	165300	167300	169300	MPR	Tune-up Limit
					826.5 MHz	836.6 MHz	846.5 MHz			826.5 MHz	836.6 MHz	846.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.54	25.59	25.42	0.0	25.70	25.54	25.59	25.42	0.0	25.25
		QPSK	1	1	25.37	25.37	25.45	0.0	25.70	25.37	25.37	25.45	0.0	25.25
			1	13	25.47	25.36	25.51	0.0	25.70	25.47	25.36	25.51	0.0	25.25
			1	23	25.50	25.39	25.42	0.0	25.70	25.50	25.39	25.42	0.0	25.25
			12	0	24.46	24.33	24.41	1.0	24.70	24.46	24.33	24.41	1.0	24.25
			12	7	25.33	25.43	25.58	0.0	25.70	25.33	25.43	25.58	0.0	25.25
			12	13	24.48	24.34	24.37	1.0	24.70	24.48	24.34	24.37	1.0	24.25
			25	0	24.47	24.33	24.53	1.0	24.70	24.47	24.33	24.53	1.0	24.25
		16QAM	1	1	24.32	24.36	24.32	1.0	24.70	24.32	24.36	24.32	1.0	24.25
		64QAM	1	1	22.99	22.88	22.81	2.5	23.20	22.99	22.88	22.81	2.5	22.75
		256QAM	1	1	21.04	20.92	20.96	4.5	21.20	21.04	20.92	20.96	4.5	20.75
	CP-OFDM	QPSK	1	1	24.06	23.99	24.07	1.5	24.20	24.06	23.99	24.07	1.5	23.75

NR Band 5 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					166800	167300	167800	MPR	Tune-up Limit	166800	167300	167800	MPR	Tune-up Limit
					834 MHz	836.6 MHz	839 MHz			834 MHz	836.6 MHz	839 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1		24.28		0.0	24.50		24.28		0.0	24.50
			1	1		24.40		0.0	24.50		24.40		0.0	24.50
			1	53		24.50		0.0	24.50		24.50		0.0	24.50
			1	104		24.33		0.0	24.50		24.33		0.0	24.50
			50	0		23.43		1.0	23.50		23.43		1.0	23.50
			50	28		24.50		0.0	24.50		24.50		0.0	24.50
			50	56		23.26		1.0	23.50		23.26		1.0	23.50
			100	0		23.50		1.0	23.50		23.50		1.0	23.50
		16QAM	1	1		23.40	1.0	23.50		23.40	1.0	23.50		
	CP-OFDM	64QAM	1	1		21.83	2.5	22.00		21.83	2.5	22.00		
256QAM		1	1		19.80	4.5	20.00		19.80	4.5	20.00			
		QPSK	1	1		22.87		1.5	23.00		22.87		1.5	23.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					166300	167300	168300	MPR	Tune-up Limit	166300	167300	168300	MPR	Tune-up Limit
					831.5 MHz	836.6 MHz	841.5 MHz			831.5 MHz	836.6 MHz	841.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1		24.23		0.0	24.50		24.23		0.0	24.50
			1	1		24.24		0.0	24.50		24.24		0.0	24.50
			1	40		24.42		0.0	24.50		24.42		0.0	24.50
			1	77		24.33		0.0	24.50		24.33		0.0	24.50
			36	0		23.48		1.0	23.50		23.48		1.0	23.50
			36	22		24.21		0.0	24.50		24.21		0.0	24.50
			36	43		23.22		1.0	23.50		23.22		1.0	23.50
			75	0		23.45		1.0	23.50		23.45		1.0	23.50
		16QAM	1	1		23.42	1.0	23.50		23.42	1.0	23.50		
	CP-OFDM	64QAM	1	1		21.97	2.5	22.00		21.97	2.5	22.00		
256QAM		1	1		19.76	4.5	20.00		19.76	4.5	20.00			
		QPSK	1	1		22.80		1.5	23.00		22.80		1.5	23.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					165800	167300	168800	MPR	Tune-up Limit	165800	167300	168800	MPR	Tune-up Limit
					829 MHz	836.6 MHz	844 MHz			829 MHz	836.6 MHz	844 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1		24.33		0.0	24.50		24.33		0.0	24.50
			1	1		24.36		0.0	24.50		24.36		0.0	24.50
			1	26		24.32		0.0	24.50		24.32		0.0	24.50
			1	50		24.43		0.0	24.50		24.43		0.0	24.50
			25	0		23.50		1.0	23.50		23.50		1.0	23.50
			25	14		24.22		0.0	24.50		24.22		0.0	24.50
			25	27		23.33		1.0	23.50		23.33		1.0	23.50
			50	0		23.38		1.0	23.50		23.38		1.0	23.50
		16QAM	1	1		23.23	1.0	23.50		23.23	1.0	23.50		
	CP-OFDM	64QAM	1	1		21.94	2.5	22.00		21.94	2.5	22.00		
256QAM		1	1		19.90	4.5	20.00		19.90	4.5	20.00			
		QPSK	1	1		22.77		1.5	23.00		22.77		1.5	23.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					165300	167300	169300	MPR	Tune-up Limit	165300	167300	169300	MPR	Tune-up Limit
					826.5 MHz	836.6 MHz	846.5 MHz			826.5 MHz	836.6 MHz	846.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.28	24.44	24.42	0.0	24.50	24.28	24.44	24.42	0.0	24.50
			1	1	24.45	24.47	24.45	0.0	24.50	24.45	24.47	24.45	0.0	24.50
			1	13	24.34	24.39	24.39	0.0	24.50	24.34	24.39	24.39	0.0	24.50
			1	23	24.49	24.25	24.25	0.0	24.50	24.49	24.25	24.25	0.0	24.50
			12	0	23.32	23.34	23.33	1.0	23.50	23.32	23.34	23.33	1.0	23.50
			12	7	24.39	24.24	24.48	0.0	24.50	24.39	24.24	24.48	0.0	24.50
			12	13	23.50	23.39	23.39	1.0	23.50	23.50	23.39	23.39	1.0	23.50
			25	0	23.27	23.40	23.24	1.0	23.50	23.27	23.40	23.24	1.0	23.50
		16QAM	1	1	23.21	23.35	23.46	1.0	23.50	23.21	23.35	23.46	1.0	23.50
	CP-OFDM	64QAM	1	1	21.92	21.94	21.96	2.5	22.00	21.92	21.94	21.96	2.5	22.00
256QAM		1	1	19.92	20.00	19.85	4.5	20.00	19.92	20.00	19.85	4.5	20.00	
		QPSK	1	1	22.75	22.94	22.85	1.5	23.00	22.75	22.94	22.85	1.5	23.00

NR Band 12 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					141300	141500	141700	MPR	Tune-up Limit	141300	141500	141700	MPR	Tune-up Limit
					706.5 MHz	707.5 MHz	708.5 MHz			706.5 MHz	707.5 MHz	708.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1		25.44		0.0	25.70		25.44		0.0	25.70
			1	1		25.59		0.0	25.70		25.59		0.0	25.70
			1	40		25.70		0.0	25.70		25.70		0.0	25.70
			1	77		25.55		0.0	25.70		25.55		0.0	25.70
			36	0		24.30		1.0	24.70		24.30		1.0	24.70
			36	22		25.70		0.0	25.70		25.70		0.0	25.70
			36	43		24.49		1.0	24.70		24.49		1.0	24.70
			75	0		24.70		1.0	24.70		24.70		1.0	24.70
		QPSK	1	1		24.31		1.0	24.70		24.31		1.0	24.70
			1	1		22.85		2.5	23.20		22.85		2.5	23.20
			1	1		21.03		4.5	21.20		21.03		4.5	21.20
			1	1		23.91		1.5	24.20		23.91		1.5	24.20
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1		25.38		0.0	25.70		25.38		0.0	25.70
			1	1		25.42		0.0	25.70		25.42		0.0	25.70
			1	26		25.37		0.0	25.70		25.37		0.0	25.70
			1	50		25.38		0.0	25.70		25.38		0.0	25.70
			25	0		24.58		1.0	24.70		24.58		1.0	24.70
			25	14		25.54		0.0	25.70		25.54		0.0	25.70
			25	27		24.36		1.0	24.70		24.36		1.0	24.70
			50	0		24.39		1.0	24.70		24.39		1.0	24.70
		QPSK	1	1		24.52		1.0	24.70		24.52		1.0	24.70
			1	1		22.98		2.5	23.20		22.98		2.5	23.20
			1	1		20.91		4.5	21.20		20.91		4.5	21.20
			1	1		23.96		1.5	24.20		23.96		1.5	24.20
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.58	25.47	25.53	0.0	25.70	25.58	25.47	25.53	0.0	25.70
			1	1	25.58	25.36	25.58	0.0	25.70	25.58	25.36	25.58	0.0	25.70
			1	13	25.40	25.43	25.32	0.0	25.70	25.40	25.43	25.32	0.0	25.70
			1	23	25.57	25.58	25.47	0.0	25.70	25.57	25.58	25.47	0.0	25.70
			12	0	24.49	24.47	24.38	1.0	24.70	24.49	24.47	24.38	1.0	24.70
			12	7	25.34	25.57	25.57	0.0	25.70	25.34	25.57	25.57	0.0	25.70
			12	13	24.41	24.57	24.50	1.0	24.70	24.41	24.57	24.50	1.0	24.70
			25	0	24.55	24.51	24.52	1.0	24.70	24.55	24.51	24.52	1.0	24.70
		QPSK	1	1	24.33	24.31	24.32	1.0	24.70	24.33	24.31	24.32	1.0	24.70
			1	1	22.81	22.89	22.96	2.5	23.20	22.81	22.89	22.96	2.5	23.20
			1	1	21.00	20.80	21.01	4.5	21.20	21.00	20.80	21.01	4.5	21.20
			1	1	24.06	23.86	24.03	1.5	24.20	24.06	23.86	24.03	1.5	24.20

NR Band 12 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					141300	141500	141700	MPR	Tune-up Limit	141300	141500	141700	MPR	Tune-up Limit
					706.5 MHz	707.5 MHz	708.5 MHz			706.5 MHz	707.5 MHz	708.5 MHz		
15 MHz	DFS-s OFDM	Pi/2 BPSK	1	1		24.22		0.0	24.50		24.22		0.0	24.50
			1	1		24.22		0.0	24.50		24.22		0.0	24.50
		QPSK	1	40		24.50		0.0	24.50		24.50		0.0	24.50
			1	77		24.21		0.0	24.50		24.21		0.0	24.50
			36	0		23.25		1.0	23.50		23.25		1.0	23.50
			36	22		24.50		0.0	24.50		24.50		0.0	24.50
			36	43		23.37		1.0	23.50		23.37		1.0	23.50
			75	0		23.50		1.0	23.50		23.50		1.0	23.50
			16QAM	1	1		23.23	1.0	23.50		23.23	1.0	23.50	
		64QAM	1	1		21.97	2.5	22.00		21.97	2.5	22.00		
	256QAM	1	1		19.84	4.5	20.00		19.84	4.5	20.00			
	CP-OFDM	QPSK	1	1		22.98	1.5	23.00		22.98	1.5	23.00		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					140800	141500	142200	MPR	Tune-up Limit	140800	141500	142200	MPR	Tune-up Limit
					704 MHz	707.5 MHz	711 MHz			704 MHz	707.5 MHz	711 MHz		
10 MHz	DFS-s OFDM	Pi/2 BPSK	1	1		24.47		0.0	24.50		24.47		0.0	24.50
			1	1		24.39		0.0	24.50		24.39		0.0	24.50
		QPSK	1	26		24.30		0.0	24.50		24.30		0.0	24.50
			1	50		24.27		0.0	24.50		24.27		0.0	24.50
			25	0		23.31		1.0	23.50		23.31		1.0	23.50
			25	14		24.31		0.0	24.50		24.31		0.0	24.50
			25	27		23.30		1.0	23.50		23.30		1.0	23.50
			50	0		23.20		1.0	23.50		23.20		1.0	23.50
			16QAM	1	1		23.41	1.0	23.50		23.41	1.0	23.50	
		64QAM	1	1		21.90	2.5	22.00		21.90	2.5	22.00		
	256QAM	1	1		19.93	4.5	20.00		19.93	4.5	20.00			
	CP-OFDM	QPSK	1	1		22.87	1.5	23.00		22.87	1.5	23.00		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					140300	141500	142700	MPR	Tune-up Limit	140300	141500	142700	MPR	Tune-up Limit
					701.5 MHz	707.5 MHz	713.5 MHz			701.5 MHz	707.5 MHz	713.5 MHz		
5 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	24.43	24.44	24.47	0.0	24.50	24.43	24.44	24.47	0.0	24.50
			1	1	24.49	24.23	24.24	0.0	24.50	24.49	24.23	24.24	0.0	24.50
		QPSK	1	13	24.48	24.25	24.36	0.0	24.50	24.48	24.25	24.36	0.0	24.50
			1	23	24.37	24.46	24.21	0.0	24.50	24.37	24.46	24.21	0.0	24.50
			12	0	23.34	23.48	23.38	1.0	23.50	23.34	23.48	23.38	1.0	23.50
			12	7	24.45	24.45	24.32	0.0	24.50	24.45	24.45	24.32	0.0	24.50
			12	13	23.30	23.46	23.38	1.0	23.50	23.30	23.46	23.38	1.0	23.50
			25	0	23.37	23.20	23.26	1.0	23.50	23.37	23.20	23.26	1.0	23.50
			16QAM	1	1	23.44	23.42	23.43	1.0	23.50	23.44	23.42	23.43	1.0
		64QAM	1	1	21.97	21.79	21.91	2.5	22.00	21.97	21.79	21.91	2.5	22.00
	256QAM	1	1	19.78	19.72	19.98	4.5	20.00	19.78	19.72	19.98	4.5	20.00	
	CP-OFDM	QPSK	1	1	22.99	22.97	22.71	1.5	23.00	22.99	22.97	22.71	1.5	23.00

NR Band 25 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					372000	376500	381000	MPR	Tune-up Limit	372000	376500	381000	MPR	Tune-up Limit
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	25.36	25.39	25.52	0.0	25.70	17.15	17.24	17.19	0.0	17.50
			1	1	25.31	25.58	25.52	0.0	25.70	17.21	17.34	17.25	0.0	17.50
		QPSK	1	53	25.36	25.70	25.31	0.0	25.70	17.11	17.50	17.15	0.0	17.50
			1	104	25.58	25.58	25.41	0.0	25.70	17.27	17.22	17.31	0.0	17.50
			50	0	24.58	24.55	24.38	1.0	24.70	17.28	17.15	17.35	0.0	17.50
			50	28	25.42	25.70	25.55	0.0	25.70	17.36	17.50	17.32	0.0	17.50
			50	56	24.34	24.49	24.46	1.0	24.70	17.15	17.12	17.18	0.0	17.50
			100	0	24.42	24.32	24.57	1.0	24.70	17.36	17.50	17.19	0.0	17.50
		16QAM	1	1	24.50	24.59	24.41	1.0	24.70	17.31	17.33	17.35	0.0	17.50
	64QAM	1	1	22.81	22.82	22.83	2.5	23.20	17.31	17.14	17.32	0.0	17.50	
256QAM	1	1	20.86	21.06	20.86	4.5	21.20	17.25	17.13	17.25	0.0	17.50		
CP-OFDM	QPSK	1	1	24.00	23.95	23.90	1.5	24.20	17.36	17.15	17.12	0.0	17.50	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	25.37	25.51	25.57	0.0	25.70	17.17	17.28	17.27	0.0	17.50
			1	1	25.32	25.55	25.41	0.0	25.70	17.14	17.26	17.40	0.0	17.50
		QPSK	1	40	25.56	25.53	25.40	0.0	25.70	17.32	17.29	17.40	0.0	17.50
			1	77	25.59	25.32	25.54	0.0	25.70	17.31	17.23	17.25	0.0	17.50
			36	0	24.50	24.55	24.48	1.0	24.70	17.34	17.20	17.29	0.0	17.50
			36	22	25.60	25.60	25.43	0.0	25.70	17.19	17.37	17.12	0.0	17.50
			36	43	24.44	24.33	24.50	1.0	24.70	17.11	17.15	17.38	0.0	17.50
			75	0	24.51	24.57	24.46	1.0	24.70	17.28	17.22	17.12	0.0	17.50
		16QAM	1	1	24.47	24.40	24.35	1.0	24.70	17.34	17.33	17.14	0.0	17.50
	64QAM	1	1	23.08	23.06	22.83	2.5	23.20	17.13	17.38	17.38	0.0	17.50	
256QAM	1	1	20.87	20.85	20.95	4.5	21.20	17.35	17.29	17.37	0.0	17.50		
CP-OFDM	QPSK	1	1	23.82	23.96	23.98	1.5	24.20	17.19	17.13	17.12	0.0	17.50	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
15 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	25.46	25.37	25.55	0.0	25.70	17.39	17.14	17.32	0.0	17.50
			1	1	25.52	25.52	25.37	0.0	25.70	17.19	17.25	17.30	0.0	17.50
		QPSK	1	26	25.32	25.33	25.52	0.0	25.70	17.35	17.18	17.22	0.0	17.50
			1	50	25.55	25.52	25.52	0.0	25.70	17.13	17.35	17.36	0.0	17.50
			25	0	24.30	24.41	24.43	1.0	24.70	17.31	17.17	17.26	0.0	17.50
			25	14	25.50	25.36	25.49	0.0	25.70	17.38	17.21	17.30	0.0	17.50
			25	27	24.39	24.37	24.50	1.0	24.70	17.22	17.18	17.10	0.0	17.50
			50	0	24.33	24.54	24.31	1.0	24.70	17.39	17.26	17.27	0.0	17.50
		16QAM	1	1	24.55	24.31	24.39	1.0	24.70	17.33	17.15	17.13	0.0	17.50
	64QAM	1	1	22.87	22.92	22.86	2.5	23.20	17.22	17.19	17.33	0.0	17.50	
256QAM	1	1	20.84	20.87	21.00	4.5	21.20	17.23	17.21	17.17	0.0	17.50		
CP-OFDM	QPSK	1	1	23.93	24.06	23.94	1.5	24.20	17.26	17.29	17.23	0.0	17.50	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	25.55	25.54	25.39	0.0	25.70	17.10	17.19	17.26	0.0	17.50
			1	1	25.54	25.56	25.41	0.0	25.70	17.29	17.15	17.24	0.0	17.50
		QPSK	1	13	25.33	25.42	25.42	0.0	25.70	17.14	17.19	17.30	0.0	17.50
			1	23	25.50	25.44	25.42	0.0	25.70	17.36	17.33	17.19	0.0	17.50
			12	0	24.35	24.44	24.52	1.0	24.70	17.27	17.14	17.25	0.0	17.50
			12	7	25.32	25.34	25.57	0.0	25.70	17.26	17.26	17.19	0.0	17.50
			12	13	24.58	24.39	24.56	1.0	24.70	17.26	17.18	17.29	0.0	17.50
			25	0	24.59	24.45	24.45	1.0	24.70	17.26	17.21	17.30	0.0	17.50
		16QAM	1	1	24.43	24.37	24.36	1.0	24.70	17.33	17.36	17.13	0.0	17.50
	64QAM	1	1	23.09	23.07	22.91	2.5	23.20	17.27	17.18	17.11	0.0	17.50	
256QAM	1	1	20.86	20.92	21.06	4.5	21.20	17.32	17.20	17.22	0.0	17.50		
CP-OFDM	QPSK	1	1	23.94	23.94	23.83	1.5	24.20	17.30	17.35	17.23	0.0	17.50	

NR Band 25 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					372000	376500	381000	MPR	Tune-up Limit	372000	376500	381000	MPR	Tune-up Limit
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	21.46	21.28	21.42	0.0	21.50	19.01	18.99	19.25	0.0	19.25
			1	1	21.24	21.47	21.43	0.0	21.50	19.22	19.22	18.99	0.0	19.25
		QPSK	1	53	21.32	21.50	21.28	0.0	21.50	19.23	19.25	19.18	0.0	19.25
			1	104	21.46	21.48	21.35	0.0	21.50	19.11	19.08	19.02	0.0	19.25
			50	0	21.34	21.32	21.23	0.0	21.50	19.18	19.12	19.13	0.0	19.25
			50	28	21.44	21.50	21.42	0.0	21.50	19.19	19.25	19.09	0.0	19.25
			50	56	21.33	21.32	21.40	0.0	21.50	19.17	19.07	19.25	0.0	19.25
			100	0	21.36	21.39	21.24	0.0	21.50	19.04	19.02	19.09	0.0	19.25
		16QAM	1	1	21.23	21.23	21.36	0.0	21.50	19.03	19.12	19.17	0.0	19.25
	64QAM	1	1	21.38	21.32	21.23	0.0	21.50	19.13	19.19	18.97	0.0	19.25	
	256QAM	1	1	21.33	21.46	21.45	0.0	21.50	19.19	19.05	19.16	0.0	19.25	
CP-OFDM	QPSK	1	1	21.43	21.34	21.48	0.0	21.50	19.21	19.09	19.12	0.0	19.25	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	21.31	21.29	21.50	0.0	21.50	19.18	18.99	18.95	0.0	19.25
			1	1	21.46	21.24	21.21	0.0	21.50	19.17	19.00	19.00	0.0	19.25
		QPSK	1	40	21.34	21.46	21.50	0.0	21.50	19.20	19.09	19.14	0.0	19.25
			1	77	21.36	21.24	21.22	0.0	21.50	19.12	19.01	19.15	0.0	19.25
			36	0	21.28	21.31	21.21	0.0	21.50	19.10	19.20	19.04	0.0	19.25
			36	22	21.30	21.27	21.39	0.0	21.50	19.02	19.16	19.17	0.0	19.25
			36	43	21.49	21.23	21.42	0.0	21.50	18.99	19.03	19.13	0.0	19.25
			75	0	21.22	21.32	21.27	0.0	21.50	18.98	19.07	19.18	0.0	19.25
		16QAM	1	1	21.33	21.42	21.31	0.0	21.50	19.00	19.08	19.09	0.0	19.25
	64QAM	1	1	21.23	21.24	21.42	0.0	21.50	19.12	19.17	19.18	0.0	19.25	
	256QAM	1	1	21.44	21.40	21.33	0.0	21.50	18.95	18.97	19.21	0.0	19.25	
CP-OFDM	QPSK	1	1	21.21	21.46	21.30	0.0	21.50	19.00	18.99	19.14	0.0	19.25	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	21.37	21.31	21.36	0.0	21.50	19.17	18.96	19.19	0.0	19.25
			1	1	21.33	21.21	21.49	0.0	21.50	19.00	19.22	19.20	0.0	19.25
		QPSK	1	26	21.38	21.46	21.38	0.0	21.50	19.20	19.08	19.16	0.0	19.25
			1	50	21.45	21.42	21.41	0.0	21.50	19.22	19.22	19.25	0.0	19.25
			25	0	21.50	21.24	21.35	0.0	21.50	19.20	19.11	19.23	0.0	19.25
			25	14	21.43	21.40	21.38	0.0	21.50	19.12	19.04	19.00	0.0	19.25
			25	27	21.34	21.32	21.26	0.0	21.50	19.20	19.23	19.24	0.0	19.25
			50	0	21.39	21.43	21.37	0.0	21.50	19.16	19.00	19.05	0.0	19.25
		16QAM	1	1	21.27	21.43	21.34	0.0	21.50	19.04	19.03	18.99	0.0	19.25
	64QAM	1	1	21.48	21.30	21.49	0.0	21.50	19.21	18.97	19.13	0.0	19.25	
	256QAM	1	1	21.34	21.23	21.33	0.0	21.50	18.97	19.06	19.13	0.0	19.25	
CP-OFDM	QPSK	1	1	21.35	21.44	21.49	0.0	21.50	19.06	19.01	19.17	0.0	19.25	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	21.42	21.30	21.28	0.0	21.50	19.11	19.21	19.07	0.0	19.25
			1	1	21.45	21.39	21.38	0.0	21.50	18.99	19.19	18.99	0.0	19.25
		QPSK	1	13	21.27	21.33	21.28	0.0	21.50	18.98	19.24	18.95	0.0	19.25
			1	23	21.34	21.48	21.24	0.0	21.50	19.21	18.96	18.99	0.0	19.25
			12	0	21.36	21.39	21.47	0.0	21.50	19.16	19.10	19.25	0.0	19.25
			12	7	21.30	21.42	21.42	0.0	21.50	19.15	19.02	19.17	0.0	19.25
			12	13	21.23	21.24	21.22	0.0	21.50	19.01	19.19	19.06	0.0	19.25
			25	0	21.47	21.43	21.27	0.0	21.50	19.11	18.95	19.07	0.0	19.25
		16QAM	1	1	21.24	21.32	21.22	0.0	21.50	19.05	19.18	19.08	0.0	19.25
	64QAM	1	1	21.26	21.48	21.25	0.0	21.50	19.01	19.09	19.25	0.0	19.25	
	256QAM	1	1	21.30	21.43	21.22	0.0	21.50	19.06	19.15	19.07	0.0	19.25	
CP-OFDM	QPSK	1	1	21.36	21.37	21.33	0.0	21.50	19.17	19.07	19.14	0.0	19.25	

NR Band 25 Measured Results (ANT3)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					372000	376500	381000	MPR	Tune-up Limit	372000	376500	381000	MPR	Tune-up Limit
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.56	24.52	24.33	0	24.70	21.05	20.94	21.09	0	21.25
			1	1	24.45	24.42	24.60	0	24.70	21.14	21.02	21.19	0	21.25
		QPSK	1	53	24.33	24.70	24.46	0	24.70	20.94	21.25	20.96	0	21.25
			1	104	24.40	24.50	24.39	0	24.70	21.12	20.97	20.99	0	21.25
			50	0	23.39	23.36	23.37	1	23.70	20.96	21.07	21.19	0	21.25
			50	28	24.37	24.70	24.55	0	24.70	21.12	21.25	21.00	0	21.25
			50	56	23.47	23.31	23.31	1	23.70	21.01	20.97	21.19	0	21.25
			100	0	23.39	23.70	23.50	1	23.70	20.92	21.25	21.06	0	21.25
			16QAM	1	1	23.46	23.55	23.43	1	23.70	20.90	21.06	21.01	0
	64QAM	1	1	21.98	22.00	22.10	2.5	22.20	21.08	21.16	21.03	0	21.25	
256QAM	1	1	19.92	19.98	19.85	4.5	20.20	21.05	21.09	21.13	0	21.25		
CP-OFDM	QPSK	1	1	22.92	22.94	23.08	1.5	23.20	20.96	20.90	21.12	0	21.25	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.56	24.48	24.56	0	24.70	21.01	21.08	21.09	0	21.25
			1	1	24.32	24.37	24.47	0	24.70	21.03	20.91	21.04	0	21.25
		QPSK	1	40	24.33	24.44	24.55	0	24.70	20.92	21.04	20.90	0	21.25
			1	77	24.40	24.44	24.57	0	24.70	21.01	21.08	21.00	0	21.25
			36	0	23.38	23.38	23.41	1	23.70	21.16	20.98	21.18	0	21.25
			36	22	24.46	24.34	24.59	0	24.70	21.07	21.11	21.19	0	21.25
			36	43	23.60	23.58	23.53	1	23.70	21.16	21.07	20.94	0	21.25
			75	0	23.58	23.32	23.51	1	23.70	21.09	20.93	20.90	0	21.25
			16QAM	1	1	23.37	23.50	23.37	1	23.70	20.94	20.95	21.00	0
	64QAM	1	1	22.04	21.99	21.96	2.5	22.20	21.15	21.10	20.97	0	21.25	
256QAM	1	1	19.85	19.88	19.96	4.5	20.20	20.96	21.12	21.06	0	21.25		
CP-OFDM	QPSK	1	1	22.88	23.06	22.99	1.5	23.20	21.09	21.05	21.12	0	21.25	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.40	24.44	24.53	0	24.70	21.03	21.05	20.90	0	21.25
			1	1	24.30	24.58	24.32	0	24.70	20.99	21.15	20.91	0	21.25
		QPSK	1	26	24.47	24.56	24.52	0	24.70	21.13	20.91	21.10	0	21.25
			1	50	24.35	24.58	24.46	0	24.70	20.90	20.96	20.91	0	21.25
			25	0	23.35	23.52	23.47	1	23.70	21.10	21.12	20.92	0	21.25
			25	14	24.31	24.31	24.51	0	24.70	21.02	20.95	21.19	0	21.25
			25	27	23.53	23.57	23.46	1	23.70	21.18	21.00	21.17	0	21.25
			50	0	23.42	23.47	23.59	1	23.70	21.16	21.09	20.95	0	21.25
			16QAM	1	1	23.60	23.43	23.42	1	23.70	20.91	21.15	21.19	0
	64QAM	1	1	22.09	21.97	21.86	2.5	22.20	21.06	20.99	20.93	0	21.25	
256QAM	1	1	19.86	20.05	20.00	4.5	20.20	21.15	20.98	21.03	0	21.25		
CP-OFDM	QPSK	1	1	22.91	23.04	22.90	1.5	23.20	20.96	20.91	20.99	0	21.25	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.56	24.44	24.42	0	24.70	21.11	20.94	21.12	0	21.25
			1	1	24.42	24.46	24.50	0	24.70	21.09	20.96	21.19	0	21.25
		QPSK	1	13	24.57	24.36	24.39	0	24.70	21.02	21.05	21.13	0	21.25
			1	23	24.33	24.30	24.51	0	24.70	21.05	21.14	21.03	0	21.25
			12	0	23.44	23.44	23.47	1	23.70	21.03	20.96	21.03	0	21.25
			12	7	24.35	24.37	24.35	0	24.70	21.08	21.10	21.13	0	21.25
			12	13	23.40	23.36	23.50	1	23.70	21.08	21.11	21.18	0	21.25
			25	0	23.30	23.52	23.44	1	23.70	21.15	21.12	21.12	0	21.25
			16QAM	1	1	23.45	23.45	23.40	1	23.70	21.11	21.01	21.20	0
	64QAM	1	1	22.03	21.94	21.82	2.5	22.20	21.09	21.14	21.01	0	21.25	
256QAM	1	1	19.85	20.06	19.86	4.5	20.20	21.05	20.96	21.00	0	21.25		
CP-OFDM	QPSK	1	1	23.08	22.85	22.82	1.5	23.20	20.93	21.01	20.90	0	21.25	

NR Band 25 Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					372000	376500	381000	MPR	Tune-up Limit	372000	376500	381000	MPR	Tune-up Limit
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	20.23	20.15	20.11	0	20.50	21.63	21.54	21.70	0	21.75
			1	1	20.14	20.24	20.13	0	20.50	21.53	21.66	21.52	0	21.75
		QPSK	1	53	20.33	20.50	20.13	0	20.50	21.75	21.75	21.75	0	21.75
			1	104	20.22	20.18	20.20	0	20.50	21.53	21.40	21.59	0	21.75
			50	0	20.29	20.26	20.19	0	20.50	21.49	21.56	21.68	0	21.75
			50	28	20.36	20.50	20.28	0	20.50	21.75	21.75	21.75	0	21.75
			50	56	20.37	20.38	20.10	0	20.50	21.67	21.60	21.52	0	21.75
			100	0	20.38	20.50	20.15	0	20.50	21.50	21.75	21.51	0	21.75
		16QAM	1	1	20.22	20.10	20.13	0	20.50	21.60	21.40	21.50	0	21.75
		64QAM	1	1	20.25	20.19	20.40	0	20.50	21.50	21.63	21.64	0	21.75
		256QAM	1	1	20.17	20.28	20.11	0	20.50	21.62	21.56	21.57	0	21.75
	CP-OFDM	QPSK	1	1	20.26	20.14	20.25	0	20.50	21.43	21.70	21.48	0	21.75
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	20.26	20.24	20.23	0	20.50	21.44	21.41	21.61	0	21.75
			1	1	20.38	20.29	20.11	0	20.50	21.42	21.64	21.51	0	21.75
		QPSK	1	40	20.33	20.28	20.19	0	20.50	21.45	21.59	21.55	0	21.75
			1	77	20.23	20.14	20.25	0	20.50	21.60	21.40	21.48	0	21.75
			36	0	20.23	20.12	20.27	0	20.50	21.47	21.69	21.56	0	21.75
			36	22	20.19	20.34	20.40	0	20.50	21.65	21.54	21.63	0	21.75
			36	43	20.11	20.23	20.27	0	20.50	21.43	21.42	21.63	0	21.75
			75	0	20.33	20.37	20.23	0	20.50	21.44	21.55	21.65	0	21.75
		16QAM	1	1	20.27	20.20	20.30	0	20.50	21.42	21.61	21.56	0	21.75
		64QAM	1	1	20.39	20.21	20.24	0	20.50	21.65	21.62	21.63	0	21.75
		256QAM	1	1	20.13	20.11	20.14	0	20.50	21.46	21.44	21.59	0	21.75
	CP-OFDM	QPSK	1	1	20.34	20.16	20.17	0	20.50	21.40	21.62	21.54	0	21.75
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	20.39	20.23	20.12	0	20.50	21.60	21.49	21.67	0	21.75
			1	1	20.22	20.23	20.38	0	20.50	21.49	21.47	21.56	0	21.75
		QPSK	1	26	20.24	20.37	20.26	0	20.50	21.47	21.56	21.50	0	21.75
			1	50	20.37	20.15	20.12	0	20.50	21.54	21.49	21.55	0	21.75
			25	0	20.28	20.17	20.34	0	20.50	21.65	21.66	21.41	0	21.75
			25	14	20.23	20.34	20.16	0	20.50	21.67	21.55	21.63	0	21.75
			25	27	20.39	20.16	20.12	0	20.50	21.63	21.64	21.62	0	21.75
			50	0	20.26	20.35	20.38	0	20.50	21.56	21.61	21.63	0	21.75
		16QAM	1	1	20.36	20.11	20.38	0	20.50	21.53	21.44	21.49	0	21.75
		64QAM	1	1	20.34	20.33	20.33	0	20.50	21.59	21.56	21.62	0	21.75
		256QAM	1	1	20.18	20.35	20.12	0	20.50	21.62	21.49	21.60	0	21.75
	CP-OFDM	QPSK	1	1	20.32	20.26	20.24	0	20.50	21.62	21.47	21.65	0	21.75
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	20.32	20.33	20.33	0	20.50	21.61	21.68	21.53	0	21.75
			1	1	20.23	20.30	20.20	0	20.50	21.58	21.43	21.68	0	21.75
		QPSK	1	13	20.12	20.31	20.21	0	20.50	21.50	21.53	21.40	0	21.75
			1	23	20.18	20.20	20.28	0	20.50	21.45	21.65	21.55	0	21.75
			12	0	20.10	20.35	20.20	0	20.50	21.44	21.44	21.67	0	21.75
			12	7	20.35	20.10	20.33	0	20.50	21.49	21.51	21.43	0	21.75
			12	13	20.18	20.29	20.18	0	20.50	21.53	21.62	21.61	0	21.75
			25	0	20.39	20.25	20.33	0	20.50	21.53	21.52	21.59	0	21.75
		16QAM	1	1	20.19	20.18	20.29	0	20.50	21.47	21.61	21.44	0	21.75
		64QAM	1	1	20.29	20.19	20.38	0	20.50	21.66	21.49	21.57	0	21.75
		256QAM	1	1	20.39	20.19	20.15	0	20.50	21.44	21.55	21.48	0	21.75
	CP-OFDM	QPSK	1	1	20.23	20.33	20.36	0	20.50	21.57	21.52	21.65	0	21.75

NR Band 41 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)									
					509200	513900	518600	523300	528000	MFR	Tune-up Limit	509200	513900	518600	523300	528000	MFR	Tune-up Limit			
					2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz			2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz					
100 MHz	DFS-s OFDM	PV2 BPSK	1	1			24.97			0.0	25.25			20.39			0.0	20.50			
			1	1			24.99			0.0	25.25			20.30			0.0	20.50			
			1	137			25.25			0.0	25.25			20.50			0.0	20.50			
			1	271			25.07			0.0	25.25			20.33			0.0	20.50			
			135	0			23.92			1.0	24.25			20.37			0.0	20.50			
			135	69			25.25			0.0	25.25			20.50			0.0	20.50			
			135	138			23.93			1.0	24.25			20.34			0.0	20.50			
			270	0			23.93			1.0	24.25			20.50			0.0	20.50			
			16QAM	1	1		24.04			1.0	24.25			20.31			0.0	20.50			
		64QAM	1	1		22.63			2.5	22.75			20.36			0.0	20.50				
		256QAM	1	1		20.43			4.5	20.75			20.27			0.0	20.50				
		CP-OFDM	QPSK	1	1			23.47			1.5	23.75			20.14			0.0	20.50		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)									
					508200	513400	518600	523800	529000	MFR	Tune-up Limit	508200	513400	518600	523800	529000	MFR	Tune-up Limit			
					2541 MHz	2567 MHz	2593 MHz	2619 MHz	2645 MHz			2541 MHz	2567 MHz	2593 MHz	2619 MHz	2645 MHz					
90 MHz	DFS-s OFDM	PV2 BPSK	1	1			25.19			0.0	25.25			20.27			0.0	20.50			
			1	1			25.17			0.0	25.25			20.35			0.0	20.50			
			1	123			25.09			0.0	25.25			20.26			0.0	20.50			
			1	243			25.17			0.0	25.25			20.11			0.0	20.50			
			120	0			23.98			1.0	24.25			20.20			0.0	20.50			
			120	63			25.15			0.0	25.25			20.10			0.0	20.50			
			120	125			24.11			1.0	24.25			20.18			0.0	20.50			
			243	0			24.06			1.0	24.25			20.29			0.0	20.50			
			16QAM	1	1		24.17			1.0	24.25			20.33			0.0	20.50			
		64QAM	1	1		22.59			2.5	22.75			20.34			0.0	20.50				
		256QAM	1	1		20.64			4.5	20.75			20.36			0.0	20.50				
		CP-OFDM	QPSK	1	1			23.51			1.5	23.75			20.38			0.0	20.50		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)									
					507200	512900	518600	524300	530000	MFR	Tune-up Limit	507200	512900	518600	524300	530000	MFR	Tune-up Limit			
					2536 MHz	2564.5 MHz	2593 MHz	2621.5 MHz	2650 MHz			2536 MHz	2564.5 MHz	2593 MHz	2621.5 MHz	2650 MHz					
80 MHz	DFS-s OFDM	PV2 BPSK	1	1			25.12			0.0	25.25			20.21			0.0	20.50			
			1	1			25.05			0.0	25.25			20.18			0.0	20.50			
			1	109			25.06			0.0	25.25			20.14			0.0	20.50			
			1	215			25.20			0.0	25.25			20.39			0.0	20.50			
			108	0			24.14			1.0	24.25			20.15			0.0	20.50			
			108	55			25.19			0.0	25.25			20.29			0.0	20.50			
			108	109			24.11			1.0	24.25			20.11			0.0	20.50			
			216	0			23.90			1.0	24.25			20.26			0.0	20.50			
			16QAM	1	1		24.05			1.0	24.25			20.12			0.0	20.50			
		64QAM	1	1		22.40			2.5	22.75			20.20			0.0	20.50				
		256QAM	1	1		20.53			4.5	20.75			20.33			0.0	20.50				
		CP-OFDM	QPSK	1	1			23.64			1.5	23.75			20.19			0.0	20.50		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)									
					505200	511900	518600	525300	532000	MFR	Tune-up Limit	505200	511900	518600	525300	532000	MFR	Tune-up Limit			
					2526 MHz	2559.5 MHz	2593 MHz	2626.5 MHz	2660 MHz			2526 MHz	2559.5 MHz	2593 MHz	2626.5 MHz	2660 MHz					
60 MHz	DFS-s OFDM	PV2 BPSK	1	1			24.98		24.95	25.00	24.93	25.01	0.0	25.25	20.22	20.39	20.34	20.38	20.15	0.0	20.50
			1	1			25.02		24.93	25.11	25.17	25.07	0.0	25.25	20.14	20.13	20.26	20.20	20.29	0.0	20.50
			1	81			25.03		24.98	25.01	25.17	25.00	0.0	25.25	20.40	20.23	20.21	20.21	20.15	0.0	20.50
			1	160			25.13		24.92	24.98	24.91	25.17	0.0	25.25	20.22	20.36	20.20	20.21	20.38	0.0	20.50
			81	0			23.90		24.05	24.05	23.92	23.92	1.0	24.25	20.12	20.32	20.11	20.12	20.30	0.0	20.50
			81	40			24.98		24.97	25.01	25.02	25.06	0.0	25.25	20.32	20.13	20.26	20.17	20.11	0.0	20.50
			81	81			24.02		23.95	24.16	24.01	24.07	1.0	24.25	20.37	20.35	20.21	20.11	20.25	0.0	20.50
			162	0			24.19		24.07	24.12	24.16	24.15	1.0	24.25	20.33	20.14	20.11	20.29	20.14	0.0	20.50
			16QAM	1	1		24.13		23.97	23.92	23.93	24.03	1.0	24.25	20.11	20.40	20.27	20.25	20.26	0.0	20.50
		64QAM	1	1		22.42		22.41	22.56	22.62	22.46	2.5	22.75	20.38	20.24	20.17	20.34	20.26	0.0	20.50	
		256QAM	1	1		20.54		20.63	20.67	20.61	20.63	4.5	20.75	20.24	20.22	20.10	20.35	20.12	0.0	20.50	
		CP-OFDM	QPSK	1	1			23.48	23.57	23.55	23.40	23.41	1.5	23.75	20.24	20.19	20.22	20.17	20.20	0.0	20.50

NR Band 41 Measured Results (ANT1) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					504200	511400	518600	525800	533000	MFR	Tune-up Limit	504200	511400	518600	525800	533000	MFR	Tune-up Limit
					2521 MHz	2557 MHz	2593 MHz	2629 MHz	2665 MHz			2521 MHz	2557 MHz	2593 MHz	2629 MHz	2665 MHz		
50 MHz	DFS-s OFDM	Pv2 BPSK	1	1	25.04	24.97	25.06	25.15	25.03	0.0	25.25	20.24	20.37	20.36	20.24	20.35	0.0	20.50
			1	1	24.96	25.13	25.11	25.13	25.07	0.0	25.25	20.19	20.38	20.31	20.32	20.35	0.0	20.50
		QPSK	1	67	25.16	25.12	25.15	25.09	25.03	0.0	25.25	20.26	20.22	20.33	20.22	20.31	0.0	20.50
			1	131	25.05	25.03	25.11	25.10	25.09	0.0	25.25	20.37	20.19	20.35	20.27	20.14	0.0	20.50
			64	0	24.14	24.01	23.92	23.94	24.15	1.0	24.25	20.32	20.18	20.15	20.14	20.36	0.0	20.50
			64	35	25.00	25.19	25.07	25.13	25.15	0.0	25.25	20.15	20.39	20.35	20.38	20.38	0.0	20.50
			64	69	24.18	24.14	24.12	24.18	24.04	1.0	24.25	20.37	20.34	20.39	20.12	20.15	0.0	20.50
			128	0	24.19	24.07	24.04	23.94	24.06	1.0	24.25	20.17	20.23	20.12	20.39	20.14	0.0	20.50
			16QAM	1	1	23.92	24.12	24.07	23.91	24.04	1.0	24.25	20.36	20.36	20.22	20.28	20.19	0.0
	64QAM	1	1	22.69	22.62	22.49	22.44	22.64	2.5	22.75	20.29	20.32	20.35	20.27	20.37	0.0	20.50	
256QAM	1	1	20.68	20.64	20.68	20.43	20.55	4.5	20.75	20.11	20.40	20.14	20.32	20.37	0.0	20.50		
CP-OFDM	QPSK	1	1	23.44	23.60	23.55	23.51	23.50	1.5	23.75	20.29	20.38	20.33	20.36	20.39	0.0	20.50	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					503200	510900	518600	526300	534000	MFR	Tune-up Limit	503200	510900	518600	526300	534000	MFR	Tune-up Limit
					2516 MHz	2554.5 MHz	2593 MHz	2631.5 MHz	2670 MHz			2516 MHz	2554.5 MHz	2593 MHz	2631.5 MHz	2670 MHz		
40 MHz	DFS-s OFDM	Pv2 BPSK	1	1	25.06	25.13	25.00	25.12	24.99	0.0	25.25	20.27	20.18	20.16	20.14	20.37	0.0	20.50
			1	1	25.15	25.12	24.91	25.09	24.97	0.0	25.25	20.37	20.13	20.22	20.11	20.15	0.0	20.50
		QPSK	1	53	25.04	24.97	25.02	25.13	25.06	0.0	25.25	20.11	20.23	20.31	20.23	20.30	0.0	20.50
			1	104	25.15	25.10	25.17	25.19	25.12	0.0	25.25	20.25	20.38	20.17	20.14	20.14	0.0	20.50
			50	0	24.04	24.09	24.07	24.20	24.13	1.0	24.25	20.30	20.17	20.27	20.20	20.21	0.0	20.50
			50	28	25.15	25.15	25.17	24.98	24.95	0.0	25.25	20.32	20.33	20.27	20.11	20.30	0.0	20.50
			50	56	24.13	24.00	24.15	24.12	24.05	1.0	24.25	20.14	20.14	20.10	20.39	20.21	0.0	20.50
			100	0	24.06	23.94	24.19	23.96	23.94	1.0	24.25	20.36	20.13	20.38	20.34	20.20	0.0	20.50
			16QAM	1	1	24.14	24.11	24.02	24.08	23.92	1.0	24.25	20.26	20.36	20.22	20.40	20.19	0.0
	64QAM	1	1	22.66	22.65	22.51	22.62	22.62	2.5	22.75	20.37	20.36	20.24	20.11	20.28	0.0	20.50	
256QAM	1	1	20.61	20.65	20.56	20.69	20.42	4.5	20.75	20.24	20.22	20.27	20.31	20.27	0.0	20.50		
CP-OFDM	QPSK	1	1	23.51	23.51	23.69	23.51	23.64	1.5	23.75	20.38	20.23	20.36	20.14	20.16	0.0	20.50	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					501200	509900	518600	527300	536000	MFR	Tune-up Limit	501200	509900	518600	527300	536000	MFR	Tune-up Limit
					2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
20 MHz	DFS-s OFDM	Pv2 BPSK	1	1	25.06	25.00	24.92	24.96	25.02	0.0	25.25	20.36	20.29	20.36	20.16	20.19	0.0	20.50
			1	1	25.13	25.07	25.10	25.06	25.03	0.0	25.25	20.24	20.27	20.28	20.30	20.26	0.0	20.50
		QPSK	1	26	25.12	25.03	24.91	25.00	25.12	0.0	25.25	20.37	20.20	20.25	20.22	20.15	0.0	20.50
			1	49	25.06	24.98	25.01	25.00	25.06	0.0	25.25	20.23	20.32	20.15	20.14	20.13	0.0	20.50
			25	0	24.05	23.96	23.98	24.01	24.14	1.0	24.25	20.20	20.28	20.12	20.22	20.21	0.0	20.50
			25	13	25.16	25.06	25.05	25.08	25.02	0.0	25.25	20.26	20.15	20.19	20.20	20.20	0.0	20.50
			25	26	24.10	24.13	24.13	23.93	23.96	1.0	24.25	20.39	20.35	20.17	20.25	20.25	0.0	20.50
			50	0	23.92	23.93	24.14	24.15	24.00	1.0	24.25	20.14	20.11	20.40	20.39	20.19	0.0	20.50
			16QAM	1	1	23.96	24.13	24.13	24.01	24.04	1.0	24.25	20.39	20.39	20.15	20.36	20.19	0.0
	64QAM	1	1	22.56	22.68	22.60	22.41	22.68	2.5	22.75	20.39	20.30	20.29	20.26	20.26	0.0	20.50	
256QAM	1	1	20.42	20.56	20.70	20.42	20.60	4.5	20.75	20.38	20.34	20.20	20.12	20.30	0.0	20.50		
CP-OFDM	QPSK	1	1	23.47	23.53	23.69	23.53	23.52	1.5	23.75	20.18	20.40	20.15	20.31	20.16	0.0	20.50	

NR Band 41 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					509200	513900	518600	523300	528000	MFR	Tune-up Limit	509200	513900	518600	523300	528000	MFR	Tune-up Limit
					2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz			2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz		
100 MHz	DFS-s OFDM	PV2 BPSK	1	1			16.98			0.0	17.75			18.94			0.0	19.00
			1	1			17.16			0.0	17.75			18.93			0.0	19.00
			1	137			17.75			0.0	17.75			19.00			0.0	19.00
			1	271			17.14			0.0	17.75			18.92			0.0	19.00
			135	0			17.05			0.0	17.75			18.83			0.0	19.00
			135	69			17.75			0.0	17.75			19.00			0.0	19.00
			135	138			17.24			0.0	17.75			18.87			0.0	19.00
			270	0			17.04			0.0	17.75			18.92			0.0	19.00
			16QAM	1	1		17.20			0.0	17.75			18.76			0.0	19.00
		64QAM	1	1		16.98			0.0	17.75			18.71			0.0	19.00	
		256QAM	1	1		17.18			0.0	17.75			18.95			0.0	19.00	
		CP-OFDM	QPSK	1	1		17.22			0.0	17.75			18.89			0.0	19.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					508200	513400	518600	523800	529000	MFR	Tune-up Limit	508200	513400	518600	523800	529000	MFR	Tune-up Limit
					2541 MHz	2567 MHz	2593 MHz	2619 MHz	2645 MHz			2541 MHz	2567 MHz	2593 MHz	2619 MHz	2645 MHz		
90 MHz	DFS-s OFDM	PV2 BPSK	1	1			16.98			0.0	17.75			18.91			0.0	19.00
			1	1			17.15			0.0	17.75			18.99			0.0	19.00
			1	123			16.96			0.0	17.75			18.97			0.0	19.00
			1	243			17.16			0.0	17.75			18.82			0.0	19.00
			120	0			16.95			0.0	17.75			18.77			0.0	19.00
			120	63			17.24			0.0	17.75			18.90			0.0	19.00
			120	125			17.14			0.0	17.75			18.97			0.0	19.00
			243	0			17.10			0.0	17.75			18.77			0.0	19.00
			16QAM	1	1		17.25			0.0	17.75			18.73			0.0	19.00
		64QAM	1	1		17.07			0.0	17.75			18.78			0.0	19.00	
		256QAM	1	1		17.19			0.0	17.75			18.80			0.0	19.00	
		CP-OFDM	QPSK	1	1		16.97			0.0	17.75			18.74			0.0	19.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					507200	512900	518600	524300	530000	MFR	Tune-up Limit	507200	512900	518600	524300	530000	MFR	Tune-up Limit
					2536 MHz	2564.5 MHz	2593 MHz	2621.5 MHz	2650 MHz			2536 MHz	2564.5 MHz	2593 MHz	2621.5 MHz	2650 MHz		
80 MHz	DFS-s OFDM	PV2 BPSK	1	1			17.06			0.0	17.75			18.78			0.0	19.00
			1	1			17.07			0.0	17.75			18.71			0.0	19.00
			1	109			17.19			0.0	17.75			18.91			0.0	19.00
			1	215			17.04			0.0	17.75			19.00			0.0	19.00
			108	0			17.19			0.0	17.75			18.86			0.0	19.00
			108	55			16.96			0.0	17.75			18.96			0.0	19.00
			108	109			17.01			0.0	17.75			18.77			0.0	19.00
			216	0			17.07			0.0	17.75			18.82			0.0	19.00
			16QAM	1	1		17.17			0.0	17.75			18.97			0.0	19.00
		64QAM	1	1		17.10			0.0	17.75			18.74			0.0	19.00	
		256QAM	1	1		17.08			0.0	17.75			18.94			0.0	19.00	
		CP-OFDM	QPSK	1	1		17.15			0.0	17.75			18.70			0.0	19.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					505200	511900	518600	525300	532000	MFR	Tune-up Limit	505200	511900	518600	525300	532000	MFR	Tune-up Limit
					2526 MHz	2559.5 MHz	2593 MHz	2626.5 MHz	2660 MHz			2526 MHz	2559.5 MHz	2593 MHz	2626.5 MHz	2660 MHz		
60 MHz	DFS-s OFDM	PV2 BPSK	1	1			17.19	17.00	17.25	0.0	17.75	18.99	18.86	18.84	18.76	18.88	0.0	19.00
			1	1	17.21	17.24	17.22	17.11	17.16	0.0	17.75	18.70	18.92	18.81	18.93	18.88	0.0	19.00
			1	81	17.00	17.07	17.21	17.17	17.20	0.0	17.75	18.93	18.83	18.93	18.84	18.93	0.0	19.00
			1	160	16.97	17.05	17.01	17.04	17.10	0.0	17.75	18.75	18.78	18.96	18.71	18.79	0.0	19.00
			81	0	17.22	17.15	17.25	17.15	17.01	0.0	17.75	18.94	18.78	18.88	18.76	18.88	0.0	19.00
			81	40	17.19	16.98	17.20	17.09	17.08	0.0	17.75	18.79	18.79	18.70	18.94	19.00	0.0	19.00
			81	81	17.15	16.98	17.01	17.04	17.19	0.0	17.75	18.99	18.91	18.84	18.87	18.95	0.0	19.00
			162	0	17.07	17.11	17.20	17.10	17.04	0.0	17.75	18.99	18.75	18.96	18.88	18.73	0.0	19.00
			16QAM	1	1	17.12	17.10	16.96	17.04	17.19	0.0	17.75	18.89	18.85	18.97	18.97	18.79	0.0
		64QAM	1	1	17.09	17.17	17.15	16.96	17.04	0.0	17.75	18.94	18.89	18.77	18.79	18.95	0.0	19.00
		256QAM	1	1	17.21	17.20	17.01	17.25	17.03	0.0	17.75	18.79	18.72	18.78	18.98	18.74	0.0	19.00
		CP-OFDM	QPSK	1	1	17.07	17.01	16.99	17.12	17.24	0.0	17.75	18.75	18.85	18.78	18.80	18.89	0.0

NR Band 41 Measured Results (ANT2) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					504200 2521 MHz	511400 2557 MHz	519600 2593 MHz	525800 2629 MHz	533000 2665 MHz	MFR	Tune-up Limit	504200 2521 MHz	511400 2557 MHz	519600 2593 MHz	525800 2629 MHz	533000 2665 MHz	MFR	Tune-up Limit
50 MHz	DFS-s OFDM	P2 BPSK	1	1	17.01	17.24	17.00	17.03	17.23	0.0	17.75	18.72	18.88	18.80	18.72	18.85	0.0	19.00
			1	1	17.01	16.96	17.04	17.04	17.20	0.0	17.75	18.94	19.00	18.78	18.74	18.83	0.0	19.00
		QPSK	1	67	17.02	17.24	17.09	17.11	17.20	0.0	17.75	18.70	18.99	18.89	18.82	18.93	0.0	19.00
			1	131	17.00	17.06	17.15	16.99	17.20	0.0	17.75	18.99	18.94	18.74	18.85	18.99	0.0	19.00
			64	0	16.97	17.14	17.22	16.96	17.20	0.0	17.75	18.72	18.71	18.87	18.90	18.92	0.0	19.00
			64	35	17.13	17.09	17.08	17.02	17.00	0.0	17.75	18.90	18.98	18.94	18.75	18.87	0.0	19.00
			64	69	17.19	17.24	17.25	17.03	17.23	0.0	17.75	18.70	18.78	18.82	18.88	18.81	0.0	19.00
			128	0	17.06	17.02	16.99	17.15	17.24	0.0	17.75	18.72	18.75	18.86	18.76	18.88	0.0	19.00
			16QAM	1	1	17.04	17.18	16.99	17.12	0.0	17.75	18.82	18.86	18.96	18.78	18.83	0.0	19.00
			64QAM	1	1	17.13	17.08	17.15	17.12	0.0	17.75	18.92	18.72	18.81	18.99	18.76	0.0	19.00
			256QAM	1	1	17.12	17.09	17.24	16.99	0.0	17.75	18.94	18.99	18.74	18.89	18.99	0.0	19.00
		CP-OFDM	QPSK	1	1	17.09	16.98	16.99	17.17	0.0	17.75	18.93	18.95	18.97	18.90	18.72	0.0	19.00
40 MHz	DFS-s OFDM	P2 BPSK	1	1	17.19	17.05	17.06	17.04	17.12	0.0	17.75	18.97	18.91	18.87	18.99	18.95	0.0	19.00
			1	1	17.10	17.03	17.15	17.19	17.15	0.0	17.75	18.76	18.81	18.79	18.89	18.80	0.0	19.00
		QPSK	1	53	17.22	17.05	17.19	17.10	17.08	0.0	17.75	18.80	18.74	18.98	18.81	19.00	0.0	19.00
			1	104	17.04	16.97	17.01	17.01	17.15	0.0	17.75	18.75	18.97	18.82	18.97	18.76	0.0	19.00
			50	0	17.04	17.19	17.22	17.19	17.16	0.0	17.75	18.98	18.91	18.82	18.71	18.85	0.0	19.00
			50	28	16.99	17.15	16.99	17.03	17.04	0.0	17.75	18.93	18.94	18.90	18.76	18.75	0.0	19.00
			50	56	17.20	17.17	17.01	17.08	16.99	0.0	17.75	18.97	18.90	18.73	18.75	18.86	0.0	19.00
			100	0	17.04	17.21	17.19	17.19	17.00	0.0	17.75	18.87	18.99	18.77	18.96	18.74	0.0	19.00
			16QAM	1	1	17.21	17.03	17.20	17.23	0.0	17.75	18.96	18.84	18.77	18.79	18.97	0.0	19.00
			64QAM	1	1	16.95	17.00	17.19	16.97	0.0	17.75	18.81	18.83	18.97	18.79	18.86	0.0	19.00
			256QAM	1	1	17.00	16.98	17.24	17.02	0.0	17.75	18.87	18.75	18.77	18.73	18.79	0.0	19.00
		CP-OFDM	QPSK	1	1	17.23	17.00	17.10	17.08	0.0	17.75	18.88	18.91	18.81	18.83	18.91	0.0	19.00
20 MHz	DFS-s OFDM	P2 BPSK	1	1	17.23	17.15	17.02	17.07	17.02	0.0	17.75	18.73	18.78	18.86	18.89	18.70	0.0	19.00
			1	1	17.03	17.09	17.07	17.05	17.00	0.0	17.75	18.78	18.89	18.86	18.74	18.82	0.0	19.00
		QPSK	1	26	17.12	16.98	17.16	17.09	17.17	0.0	17.75	18.76	18.97	18.80	18.86	18.70	0.0	19.00
			1	49	17.18	17.19	17.05	17.18	16.97	0.0	17.75	18.74	18.79	18.78	18.79	18.90	0.0	19.00
			25	0	17.02	17.12	17.23	17.20	17.17	0.0	17.75	18.87	18.85	18.86	18.96	18.93	0.0	19.00
			25	13	17.02	16.99	17.21	17.21	17.14	0.0	17.75	18.93	18.92	18.82	18.82	18.96	0.0	19.00
			25	26	16.98	17.17	17.22	17.15	17.07	0.0	17.75	18.83	18.78	18.87	18.72	18.76	0.0	19.00
			50	0	17.16	17.03	17.00	17.23	17.07	0.0	17.75	18.97	18.86	18.80	18.93	18.79	0.0	19.00
			16QAM	1	1	16.98	17.04	17.08	16.95	0.0	17.75	18.99	18.71	18.86	18.86	18.88	0.0	19.00
			64QAM	1	1	16.96	17.19	17.13	17.10	0.0	17.75	18.83	18.89	18.84	18.76	18.72	0.0	19.00
			256QAM	1	1	17.24	17.10	17.23	16.97	0.0	17.75	18.85	18.91	18.86	18.73	18.79	0.0	19.00
		CP-OFDM	QPSK	1	1	17.25	17.09	16.95	17.25	0.0	17.75	18.97	18.86	18.78	18.79	18.73	0.0	19.00

NR Band 41 Measured Results (ANT3)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)								
					509200	513900	518600	523300	528000	MFR	Tune-up Limit	509200	513900	518600	523300	528000	MFR	Tune-up Limit		
					2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz			2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz				
100 MHz	DFS-s OFDM	PV2 BPSK	1	1			24.12			0	24.50			19.49			0	19.75		
			1	1			24.22			0	24.50			19.59			0	19.75		
		QPSK	1	137			24.50			0	24.50			19.75			0	19.75		
			1	271			24.20			0	24.50			19.46			0	19.75		
			135	0			23.21		1	23.50			19.43			0	19.75			
			135	69			24.50		0	24.50			19.75			0	19.75			
			135	138			23.18		1	23.50			19.66			0	19.75			
			270	0			23.13		1	23.50			19.75			0	19.75			
			16QAM	1	1		23.19		1	23.50			19.56			0	19.75			
			64QAM	1	1		21.86		2.5	22.00			19.56			0	19.75			
		256QAM	1	1		19.60		4.5	20.00			19.51			0	19.75				
		CP-OFDM	QPSK	1	1	22.81		1.5	23.00			19.48			0	19.75				
		BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
							508200	513400	518600	523800	529000	MFR	Tune-up Limit	508200	513400	518600	523800	529000	MFR	Tune-up Limit
	2541 MHz	2567 MHz	2593 MHz	2619 MHz	2645 MHz	2541 MHz	2567 MHz	2593 MHz	2619 MHz	2645 MHz										
90 MHz	DFS-s OFDM	PV2 BPSK	1	1			24.26			0	24.50			19.64			0	19.75		
			1	1			24.40			0	24.50			19.58			0	19.75		
		QPSK	1	123			24.35			0	24.50			19.63			0	19.75		
			1	243			24.19			0	24.50			19.53			0	19.75		
			120	0			23.17		1	23.50			19.50			0	19.75			
			120	63			24.26		0	24.50			19.68			0	19.75			
			120	125			23.21		1	23.50			19.67			0	19.75			
			243	0			23.36		1	23.50			19.49			0	19.75			
			16QAM	1	1		23.38		1	23.50			19.56			0	19.75			
			64QAM	1	1		21.68		2.5	22.00			19.64			0	19.75			
		256QAM	1	1		19.90		4.5	20.00			19.44			0	19.75				
		CP-OFDM	QPSK	1	1	22.85		1.5	23.00			19.69			0	19.75				
		BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
							507200	512900	518600	524300	530000	MFR	Tune-up Limit	507200	512900	518600	524300	530000	MFR	Tune-up Limit
	2536 MHz	2564.5 MHz	2593 MHz	2621.5 MHz	2650 MHz	2536 MHz	2564.5 MHz	2593 MHz	2621.5 MHz	2650 MHz										
80 MHz	DFS-s OFDM	PV2 BPSK	1	1			24.26			0	24.50			19.70			0	19.75		
			1	1			24.24			0	24.50			19.62			0	19.75		
		QPSK	1	109			24.31			0	24.50			19.57			0	19.75		
			1	215			24.29			0	24.50			19.61			0	19.75		
			108	0			23.11		1	23.50			19.64			0	19.75			
			108	55			24.29		0	24.50			19.62			0	19.75			
			108	109			23.38		1	23.50			19.59			0	19.75			
			216	0			23.24		1	23.50			19.67			0	19.75			
			16QAM	1	1		23.16		1	23.50			19.70			0	19.75			
			64QAM	1	1		21.68		2.5	22.00			19.62			0	19.75			
		256QAM	1	1		19.74		4.5	20.00			19.65			0	19.75				
		CP-OFDM	QPSK	1	1	22.90		1.5	23.00			19.57			0	19.75				
		BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
							505200	511900	518600	525300	532000	MFR	Tune-up Limit	505200	511900	518600	525300	532000	MFR	Tune-up Limit
	2526 MHz	2559.5 MHz	2593 MHz	2626.5 MHz	2660 MHz	2526 MHz	2559.5 MHz	2593 MHz	2626.5 MHz	2660 MHz										
60 MHz	DFS-s OFDM	PV2 BPSK	1	1	24.33	24.40	24.38	24.38	24.33	0	24.50	19.61	19.49	19.54	19.61	19.57	0	19.75		
			1	1	24.16	24.22	24.16	24.28	24.32	0	24.50	19.60	19.50	19.46	19.68	19.61	0	19.75		
		QPSK	1	81	24.30	24.11	24.23	24.20	24.36	0	24.50	19.68	19.49	19.67	19.60	19.46	0	19.75		
			1	160	24.23	24.13	24.26	24.19	24.15	0	24.50	19.69	19.49	19.47	19.41	19.50	0	19.75		
			81	0	23.14	23.17	23.32	23.16	23.35	1	23.50	19.43	19.50	19.61	19.53	19.60	0	19.75		
			81	40	24.32	24.13	24.21	24.11	24.13	0	24.50	19.64	19.60	19.47	19.41	19.49	0	19.75		
			81	81	23.34	23.37	23.18	23.31	23.33	1	23.50	19.45	19.54	19.45	19.58	19.45	0	19.75		
			162	0	23.13	23.30	23.17	23.31	23.38	1	23.50	19.63	19.41	19.53	19.52	19.50	0	19.75		
			16QAM	1	1	23.15	23.19	23.11	23.22	23.30	1	23.50	19.60	19.62	19.66	19.62	19.53	0	19.75	
			64QAM	1	1	21.66	21.68	21.76	21.90	21.66	2.5	22.00	19.55	19.65	19.52	19.52	19.63	0	19.75	
		256QAM	1	1	19.70	19.70	19.69	19.63	19.87	4.5	20.00	19.53	19.67	19.59	19.61	19.59	0	19.75		
		CP-OFDM	QPSK	1	1	22.65	22.72	22.65	22.80	22.79	1.5	23.00	19.46	19.66	19.61	19.61	19.45	0	19.75	

NR Band 41 Measured Results (ANT3) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					504200	511400	518600	525800	533000	MFR	Tune-up Limit	504200	511400	518600	525800	533000	MFR	Tune-up Limit	
					2521 MHz	2557 MHz	2593 MHz	2629 MHz	2665 MHz			2521 MHz	2557 MHz	2593 MHz	2629 MHz	2665 MHz			
50 MHz	DFS-s OFDM	PV2 BPSK	1	1	24.20	24.31	24.39	24.33	24.25	0	24.50	19.46	19.55	19.40	19.64	19.63	0	19.75	
			1	1	24.32	24.17	24.39	24.23	24.39	0	24.50	19.64	19.57	19.57	19.51	19.56	0	19.75	
		QPSK	1	67	24.39	24.23	24.39	24.34	24.34	0	24.50	19.57	19.53	19.51	19.42	19.41	0	19.75	
			1	131	24.24	24.38	24.15	24.33	24.11	0	24.50	19.64	19.43	19.52	19.51	19.59	0	19.75	
			64	0	23.28	23.25	23.13	23.39	23.18	1	23.50	19.44	19.55	19.55	19.45	19.70	0	19.75	
			64	35	24.38	24.36	24.17	24.11	24.28	0	24.50	19.63	19.42	19.47	19.46	19.48	0	19.75	
			64	69	23.17	23.31	23.28	23.30	23.22	1	23.50	19.60	19.49	19.59	19.50	19.54	0	19.75	
			128	0	23.30	23.20	23.38	23.26	23.18	1	23.50	19.67	19.65	19.49	19.65	19.63	0	19.75	
			16QAM	1	1	23.18	23.14	23.35	23.20	23.31	1	23.50	19.46	19.53	19.55	19.50	19.59	0	19.75
			64QAM	1	1	21.86	21.82	21.85	21.84	21.74	2.5	22.00	19.55	19.50	19.51	19.46	19.54	0	19.75
	256QAM	1	1	19.78	19.84	19.89	19.87	19.85	4.5	20.00	19.47	19.45	19.58	19.42	19.59	0	19.75		
	CP-OFDM	QPSK	1	1	22.77	22.70	22.83	22.69	22.64	1.5	23.00	19.57	19.58	19.46	19.63	19.65	0	19.75	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					503200	510900	518600	526300	534000	MFR	Tune-up Limit	503200	510900	518600	526300	534000	MFR	Tune-up Limit	
					2516 MHz	2554.5 MHz	2593 MHz	2631.5 MHz	2670 MHz			2516 MHz	2554.5 MHz	2593 MHz	2631.5 MHz	2670 MHz			
40 MHz	DFS-s OFDM	PV2 BPSK	1	1	24.24	24.35	24.27	24.17	24.19	0	24.50	19.70	19.43	19.46	19.51	19.62	0	19.75	
			1	1	24.34	24.34	24.15	24.10	24.19	0	24.50	19.52	19.41	19.61	19.67	19.55	0	19.75	
		QPSK	1	53	24.27	24.15	24.13	24.30	24.16	0	24.50	19.67	19.70	19.56	19.69	19.44	0	19.75	
			1	104	24.32	24.25	24.34	24.40	24.29	0	24.50	19.43	19.41	19.56	19.64	19.54	0	19.75	
			50	0	23.24	23.27	23.18	23.11	23.31	1	23.50	19.44	19.63	19.64	19.53	19.60	0	19.75	
			50	28	24.39	24.20	24.19	24.12	24.37	0	24.50	19.45	19.59	19.66	19.49	19.63	0	19.75	
			50	56	23.40	23.16	23.31	23.30	23.34	1	23.50	19.47	19.47	19.51	19.51	19.69	0	19.75	
			100	0	23.15	23.35	23.35	23.24	23.20	1	23.50	19.42	19.67	19.49	19.50	19.63	0	19.75	
			16QAM	1	1	23.37	23.20	23.35	23.13	23.34	1	23.50	19.68	19.44	19.55	19.57	19.43	0	19.75
			64QAM	1	1	21.67	21.86	21.62	21.90	21.78	2.5	22.00	19.68	19.47	19.66	19.56	19.54	0	19.75
	256QAM	1	1	19.64	19.74	19.84	19.72	19.78	4.5	20.00	19.44	19.66	19.59	19.40	19.47	0	19.75		
	CP-OFDM	QPSK	1	1	22.70	22.70	22.82	22.63	22.61	1.5	23.00	19.59	19.45	19.52	19.51	19.44	0	19.75	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					501200	509900	518600	527300	536000	MFR	Tune-up Limit	501200	509900	518600	527300	536000	MFR	Tune-up Limit	
					2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			
20 MHz	DFS-s OFDM	PV2 BPSK	1	1	24.24	24.30	24.16	24.13	24.29	0	24.50	19.59	19.59	19.51	19.44	19.68	0	19.75	
			1	1	24.38	24.35	24.21	24.28	24.32	0	24.50	19.66	19.56	19.62	19.63	19.41	0	19.75	
		QPSK	1	26	24.14	24.34	24.13	24.18	24.35	0	24.50	19.57	19.63	19.45	19.64	19.61	0	19.75	
			1	49	24.36	24.23	24.24	24.23	24.32	0	24.50	19.40	19.57	19.43	19.51	19.55	0	19.75	
			25	0	23.12	23.11	23.20	23.27	23.27	1	23.50	19.55	19.43	19.66	19.50	19.55	0	19.75	
			25	13	24.39	24.17	24.12	24.13	24.23	0	24.50	19.52	19.42	19.52	19.66	19.52	0	19.75	
			25	26	23.35	23.28	23.16	23.14	23.31	1	23.50	19.67	19.52	19.68	19.56	19.65	0	19.75	
			50	0	23.34	23.21	23.29	23.23	23.24	1	23.50	19.59	19.59	19.59	19.56	19.61	0	19.75	
			16QAM	1	1	23.16	23.12	23.13	23.28	23.21	1	23.50	19.51	19.61	19.49	19.44	19.54	0	19.75
			64QAM	1	1	21.90	21.87	21.75	21.88	21.86	2.5	22.00	19.69	19.52	19.63	19.66	19.69	0	19.75
	256QAM	1	1	19.67	19.69	19.69	19.82	19.74	4.5	20.00	19.59	19.54	19.57	19.49	19.42	0	19.75		
	CP-OFDM	QPSK	1	1	22.81	22.87	22.75	22.86	22.80	1.5	23.00	19.63	19.54	19.62	19.51	19.53	0	19.75	

NR Band 41 Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					509200	513900	518600	523300	528000	MFR	Tune-up Limit	509200	513900	518600	523300	528000	MFR	Tune-up Limit
					2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz			2546 MHz	2569.5 MHz	2593 MHz	2616.5 MHz	2640 MHz		
100 MHz	DFS-s OFDM	P2 BPSK	1	1			19.04			0	19.25			19.92			0	20.25
			1	1			18.96			0	19.25			20.14			0	20.25
			1	137			19.25			0	19.25			20.25			0	20.25
			1	271			19.05			0	19.25			20.16			0	20.25
			135	0			18.96			0	19.25			20.04			0	20.25
			135	69			19.25			0	19.25			20.25			0	20.25
			135	138			18.92			0	19.25			19.98			0	20.25
			270	0			19.25			0	19.25			20.25			0	20.25
		QPSK	1	1			19.20			0	19.25			19.91			0	20.25
			1	1			19.00			0	19.25			19.98			0	20.25
			1	1			19.08			0	19.25			20.07			0	20.25
			1	1			19.17			0	19.25			19.99			0	20.25
			1	1						0	19.25						0	20.25
			1	1						0	19.25						0	20.25
90 MHz	DFS-s OFDM	P2 BPSK	1	1			18.98			0	19.25			20.02			0	20.25
			1	1			18.97			0	19.25			20.13			0	20.25
			1	123			19.12			0	19.25			20.14			0	20.25
			1	243			18.92			0	19.25			19.91			0	20.25
			120	0			19.08			0	19.25			20.00			0	20.25
			120	63			18.93			0	19.25			20.07			0	20.25
			120	125			18.98			0	19.25			20.01			0	20.25
			243	0			19.04			0	19.25			20.08			0	20.25
		QPSK	1	1			18.95			0	19.25			20.05			0	20.25
			1	1			19.11			0	19.25			20.12			0	20.25
			1	1			18.90			0	19.25			20.19			0	20.25
			1	1			18.94			0	19.25			20.16			0	20.25
			1	1						0	19.25						0	20.25
			1	1						0	19.25						0	20.25
80 MHz	DFS-s OFDM	P2 BPSK	1	1			19.07			0	19.25			20.09			0	20.25
			1	1			18.95			0	19.25			20.14			0	20.25
			1	109			19.12			0	19.25			20.20			0	20.25
			1	215			18.90			0	19.25			20.04			0	20.25
			108	0			19.16			0	19.25			19.95			0	20.25
			108	55			19.01			0	19.25			20.06			0	20.25
			108	109			19.16			0	19.25			20.14			0	20.25
			216	0			19.10			0	19.25			19.99			0	20.25
		QPSK	1	1			19.06			0	19.25			20.04			0	20.25
			1	1			19.13			0	19.25			19.98			0	20.25
			1	1			19.00			0	19.25			20.01			0	20.25
			1	1			19.18			0	19.25			19.94			0	20.25
			1	1						0	19.25						0	20.25
			1	1						0	19.25						0	20.25
60 MHz	DFS-s OFDM	P2 BPSK	1	1			19.19			0	19.25			19.94			0	20.25
			1	1	19.18	18.95	19.10	19.19	18.99	0	19.25	20.09	20.03	19.98	20.12	19.96	0	20.25
			1	81	19.17	18.91	19.00	19.01	18.98	0	19.25	20.17	20.00	20.04	20.15	20.15	0	20.25
			1	160	19.15	19.15	18.93	19.07	19.01	0	19.25	20.09	19.92	19.95	19.96	20.04	0	20.25
			81	0	19.01	18.94	19.05	18.93	18.95	0	19.25	20.08	20.07	20.05	20.05	20.16	0	20.25
			81	40	19.14	19.08	19.07	19.15	19.04	0	19.25	19.94	19.92	20.01	19.93	19.97	0	20.25
			81	81	19.18	19.00	18.90	18.96	19.15	0	19.25	19.99	19.93	20.18	19.98	19.97	0	20.25
			162	0	19.09	19.17	19.02	18.99	19.04	0	19.25	20.08	20.13	20.09	19.91	20.18	0	20.25
		QPSK	1	1	19.11	19.00	19.02	19.06	19.10	0	19.25	19.95	20.08	20.18	20.15	19.92	0	20.25
			1	1	18.99	19.12	19.19	19.11	19.06	0	19.25	20.13	20.10	20.06	20.02	20.03	0	20.25
			1	1	18.96	19.09	19.13	19.05	19.06	0	19.25	20.10	20.01	20.19	20.16	20.15	0	20.25
			1	1	18.92	18.99	18.94	18.96	19.06	0	19.25	20.08	20.00	20.02	19.93	20.09	0	20.25
			1	1						0	19.25						0	20.25
			1	1						0	19.25						0	20.25

NR Band 41 Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					504200	511400	518600	525800	533000	MFR	Tune-up Limit	504200	511400	518600	525800	533000	MFR	Tune-up Limit	
					2521 MHz	2557 MHz	2593 MHz	2629 MHz	2665 MHz			2521 MHz	2557 MHz	2593 MHz	2629 MHz	2665 MHz			
50 MHz	DFS-s OFDM	Pv2 BPSK	1	1	18.95	19.13	19.01	19.03	19.05	0	19.25	20.07	20.06	19.91	19.95	20.08	0	20.25	
			1	1	19.08	19.19	18.98	19.02	18.91	0	19.25	20.14	19.93	20.16	20.13	20.08	0	20.25	
		QPSK	1	67	18.96	19.19	19.18	19.01	19.19	0	19.25	20.06	19.98	20.01	20.18	20.00	0	20.25	
			1	131	19.14	19.00	18.96	19.10	18.95	0	19.25	20.02	20.05	20.07	20.00	20.02	0	20.25	
			64	0	18.95	18.94	18.91	18.93	18.96	0	19.25	20.15	20.03	19.93	20.04	20.04	0	20.25	
			64	35	19.20	19.16	19.06	19.12	19.20	0	19.25	19.91	20.03	19.94	20.04	19.99	0	20.25	
			64	69	18.98	18.97	19.18	19.02	19.13	0	19.25	20.14	20.19	20.18	20.13	19.93	0	20.25	
			128	0	19.10	19.09	19.16	19.13	18.93	0	19.25	19.91	20.19	20.01	20.07	19.94	0	20.25	
			16QAM	1	1	19.20	19.16	18.95	19.04	19.16	0	19.25	20.15	19.99	20.09	20.19	20.02	0	20.25
			64QAM	1	1	18.97	19.03	19.16	19.11	19.11	0	19.25	20.19	20.19	20.17	20.05	20.00	0	20.25
	256QAM	1	1	19.15	19.12	18.96	19.10	19.18	0	19.25	20.08	19.96	20.18	19.96	20.03	0	20.25		
	CP-OFDM	QPSK	1	1	19.06	19.09	19.09	19.09	19.06	0	19.25	20.17	19.92	20.00	20.00	19.94	0	20.25	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					503200	510900	518600	526300	534000	MFR	Tune-up Limit	503200	510900	518600	526300	534000	MFR	Tune-up Limit	
2516 MHz	2554.5 MHz	2593 MHz	2631.5 MHz	2670 MHz	2516 MHz	2554.5 MHz	2593 MHz	2631.5 MHz	2670 MHz										
40 MHz	DFS-s OFDM	Pv2 BPSK	1	1	18.97	18.96	18.92	18.97	18.96	0	19.25	20.14	19.93	20.18	19.98	20.20	0	20.25	
			1	1	19.15	18.91	18.96	19.10	18.93	0	19.25	19.93	20.15	20.19	19.93	20.16	0	20.25	
		QPSK	1	53	19.04	18.96	19.07	18.94	19.16	0	19.25	20.14	20.06	20.13	20.19	19.91	0	20.25	
			1	104	19.20	19.08	19.19	19.02	18.97	0	19.25	19.95	20.07	20.13	19.91	19.93	0	20.25	
			50	0	18.93	19.00	19.13	19.02	18.91	0	19.25	20.05	20.00	20.18	20.05	20.18	0	20.25	
			50	28	19.14	19.15	18.92	19.05	18.94	0	19.25	20.09	20.05	19.92	20.05	20.13	0	20.25	
			50	56	18.96	18.91	19.14	19.04	19.11	0	19.25	19.97	20.08	20.11	20.12	19.95	0	20.25	
			100	0	19.18	19.01	18.99	19.14	19.15	0	19.25	20.16	20.10	19.98	20.13	20.17	0	20.25	
			16QAM	1	1	19.05	19.12	19.11	19.14	19.03	0	19.25	19.94	20.12	20.03	19.95	19.97	0	20.25
			64QAM	1	1	19.01	19.05	18.90	19.14	19.15	0	19.25	20.18	20.13	20.06	20.07	20.07	0	20.25
	256QAM	1	1	18.97	19.03	19.02	19.01	18.94	0	19.25	19.94	19.96	20.16	20.01	20.17	0	20.25		
	CP-OFDM	QPSK	1	1	19.07	18.99	18.98	18.91	18.96	0	19.25	20.04	20.12	20.00	19.93	20.06	0	20.25	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)									
					501200	509900	518600	527300	536000	MFR	Tune-up Limit	501200	509900	518600	527300	536000	MFR	Tune-up Limit	
2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz	2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz										
20 MHz	DFS-s OFDM	Pv2 BPSK	1	1	19.15	19.02	19.17	18.98	18.99	0	19.25	20.17	19.95	20.01	20.01	20.09	0	20.25	
			1	1	18.94	18.99	19.18	18.93	19.06	0	19.25	20.20	19.92	19.96	20.17	20.02	0	20.25	
		QPSK	1	26	19.20	19.08	19.19	18.96	19.17	0	19.25	19.91	19.99	20.12	20.13	20.02	0	20.25	
			1	49	18.98	19.03	18.99	19.12	18.96	0	19.25	20.01	20.15	20.16	19.90	20.08	0	20.25	
			25	0	18.93	19.17	19.11	18.98	18.94	0	19.25	19.93	20.00	20.06	20.14	20.11	0	20.25	
			25	13	19.01	19.04	19.17	19.14	18.95	0	19.25	19.99	20.18	20.12	19.98	20.13	0	20.25	
			25	26	19.19	19.08	18.99	19.09	19.08	0	19.25	20.19	20.08	19.97	20.11	19.99	0	20.25	
			50	0	19.06	18.93	18.99	18.94	18.94	0	19.25	20.08	20.15	19.94	20.13	20.07	0	20.25	
			16QAM	1	1	18.99	18.98	19.00	18.95	19.16	0	19.25	20.16	19.97	19.98	20.20	19.94	0	20.25
			64QAM	1	1	19.03	19.16	19.09	18.94	18.93	0	19.25	20.14	19.96	20.00	20.04	20.18	0	20.25
	256QAM	1	1	19.18	19.18	19.02	19.09	18.95	0	19.25	20.00	20.15	19.99	20.00	20.16	0	20.25		
	CP-OFDM	QPSK	1	1	18.99	19.11	19.07	19.14	18.94	0	19.25	20.12	20.07	20.06	20.09	19.92	0	20.25	

NR Band 66 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					344000	349000	354000	MPR	Tune-up Limit	344000	349000	354000	MPR	Tune-up Limit
					1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.38	25.40	25.59	0.0	25.70	18.12	18.23	18.32	0.0	18.50
			1	1	25.54	25.52	25.52	0.0	25.70	18.18	18.12	18.33	0.0	18.50
		QPSK	1	53	25.53	25.70	25.58	0.0	25.70	18.50	18.50	18.50	0.0	18.50
			1	104	25.53	25.37	25.48	0.0	25.70	18.10	18.17	18.13	0.0	18.50
			50	0	24.31	24.45	24.33	1.0	24.70	18.30	18.14	18.19	0.0	18.50
			50	28	25.53	25.70	25.49	0.0	25.70	18.50	18.50	18.50	0.0	18.50
			50	56	24.59	24.50	24.58	1.0	24.70	18.15	18.15	18.23	0.0	18.50
			100	0	24.50	24.48	24.35	1.0	24.70	18.29	18.50	18.17	0.0	18.50
		16QAM	1	1	24.40	24.45	24.30	1.0	24.70	18.14	18.30	18.22	0.0	18.50
		64QAM	1	1	22.96	23.04	22.82	2.5	23.20	18.34	18.32	18.33	0.0	18.50
		256QAM	1	1	21.03	20.88	21.05	4.5	21.20	18.36	18.40	18.23	0.0	18.50
	CP-OFDM	QPSK	1	1	23.92	23.94	23.92	1.5	24.20	18.33	18.21	18.16	0.0	18.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500	349000	354500	MPR	Tune-up Limit	343500	349000	354500	MPR	Tune-up Limit
					1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.34	25.51	25.60	0.0	25.70	18.15	18.24	18.36	0.0	18.50
			1	1	25.51	25.50	25.48	0.0	25.70	18.32	18.19	18.13	0.0	18.50
		QPSK	1	40	25.46	25.41	25.51	0.0	25.70	18.29	18.23	18.37	0.0	18.50
			1	77	25.58	25.35	25.38	0.0	25.70	18.22	18.26	18.36	0.0	18.50
			36	0	24.58	24.40	24.39	1.0	24.70	18.37	18.26	18.24	0.0	18.50
			36	22	25.44	25.38	25.45	0.0	25.70	18.13	18.23	18.23	0.0	18.50
			36	43	24.52	24.39	24.57	1.0	24.70	18.37	18.38	18.32	0.0	18.50
			75	0	24.49	24.44	24.55	1.0	24.70	18.32	18.27	18.31	0.0	18.50
		16QAM	1	1	24.35	24.54	24.56	1.0	24.70	18.39	18.24	18.35	0.0	18.50
		64QAM	1	1	22.88	22.97	22.94	2.5	23.20	18.13	18.25	18.13	0.0	18.50
		256QAM	1	1	20.95	20.99	21.09	4.5	21.20	18.24	18.21	18.13	0.0	18.50
	CP-OFDM	QPSK	1	1	24.03	23.83	24.04	1.5	24.20	18.15	18.27	18.29	0.0	18.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.47	25.56	25.33	0.0	25.70	18.28	18.18	18.26	0.0	18.50
			1	1	25.40	25.45	25.34	0.0	25.70	18.21	18.28	18.36	0.0	18.50
		QPSK	1	26	25.40	25.55	25.54	0.0	25.70	18.20	18.22	18.30	0.0	18.50
			1	50	25.54	25.38	25.57	0.0	25.70	18.25	18.21	18.15	0.0	18.50
			25	0	24.53	24.46	24.34	1.0	24.70	18.20	18.14	18.16	0.0	18.50
			25	14	25.32	25.48	25.47	0.0	25.70	18.17	18.29	18.18	0.0	18.50
			25	27	24.55	24.59	24.38	1.0	24.70	18.21	18.37	18.12	0.0	18.50
			50	0	24.44	24.56	24.34	1.0	24.70	18.39	18.16	18.11	0.0	18.50
		16QAM	1	1	24.44	24.50	24.50	1.0	24.70	18.26	18.23	18.18	0.0	18.50
		64QAM	1	1	22.85	22.81	23.06	2.5	23.20	18.33	18.16	18.39	0.0	18.50
		256QAM	1	1	20.86	21.04	20.97	4.5	21.20	18.35	18.30	18.24	0.0	18.50
	CP-OFDM	QPSK	1	1	24.07	23.98	23.99	1.5	24.20	18.39	18.23	18.17	0.0	18.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					342500	349000	355500	MPR	Tune-up Limit	342500	349000	355500	MPR	Tune-up Limit
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.58	25.53	25.38	0.0	25.70	18.33	18.12	18.25	0.0	18.50
			1	1	25.38	25.48	25.54	0.0	25.70	18.35	18.15	18.22	0.0	18.50
		QPSK	1	13	25.58	25.31	25.42	0.0	25.70	18.18	18.11	18.14	0.0	18.50
			1	23	25.42	25.36	25.45	0.0	25.70	18.37	18.27	18.13	0.0	18.50
			12	0	24.42	24.50	24.48	1.0	24.70	18.40	18.34	18.36	0.0	18.50
			12	7	25.56	25.53	25.53	0.0	25.70	18.28	18.33	18.16	0.0	18.50
			12	13	24.33	24.48	24.44	1.0	24.70	18.20	18.36	18.26	0.0	18.50
			25	0	24.40	24.49	24.35	1.0	24.70	18.25	18.37	18.21	0.0	18.50
		16QAM	1	1	24.35	24.41	24.45	1.0	24.70	18.12	18.36	18.37	0.0	18.50
		64QAM	1	1	22.93	22.86	23.04	2.5	23.20	18.22	18.12	18.22	0.0	18.50
		256QAM	1	1	20.93	20.83	20.88	4.5	21.20	18.15	18.35	18.26	0.0	18.50
	CP-OFDM	QPSK	1	1	24.06	23.85	23.81	1.5	24.20	18.15	18.30	18.15	0.0	18.50

NR Band 66 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					344000	349000	354000	MPR	Tune-up Limit	344000	349000	354000	MPR	Tune-up Limit
					1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.74	19.81	19.90	0.0	20.00	18.22	18.00	17.97	0.0	18.25
			1	1	19.75	19.78	19.99	0.0	20.00	18.03	18.03	18.23	0.0	18.25
		QPSK	1	53	19.96	20.00	19.97	0.0	20.00	18.13	18.25	18.04	0.0	18.25
			1	104	20.00	19.77	19.71	0.0	20.00	18.17	17.96	18.16	0.0	18.25
			50	0	19.73	19.78	19.73	0.0	20.00	18.12	18.12	18.06	0.0	18.25
			50	28	19.83	20.00	19.90	0.0	20.00	17.97	18.25	17.97	0.0	18.25
			50	56	19.83	19.91	19.80	0.0	20.00	17.99	18.04	17.98	0.0	18.25
			100	0	19.76	20.00	19.85	0.0	20.00	17.97	18.25	17.95	0.0	18.25
		16QAM	1	1	19.86	20.00	19.95	0.0	20.00	18.21	18.16	17.99	0.0	18.25
		64QAM	1	1	19.85	19.94	19.74	0.0	20.00	18.00	18.19	18.02	0.0	18.25
		256QAM	1	1	19.90	19.88	19.70	0.0	20.00	18.11	18.18	17.98	0.0	18.25
	CP-OFDM	QPSK	1	1	19.81	19.97	19.95	0.0	20.00	18.19	18.21	18.23	0.0	18.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500	349000	354500	MPR	Tune-up Limit	343500	349000	354500	MPR	Tune-up Limit
					1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.92	19.93	19.93	0.0	20.00	18.06	18.05	17.99	0.0	18.25
			1	1	19.96	19.97	19.72	0.0	20.00	18.05	18.18	18.10	0.0	18.25
		QPSK	1	40	19.94	19.97	19.97	0.0	20.00	18.23	18.04	18.09	0.0	18.25
			1	77	19.77	19.75	19.86	0.0	20.00	18.20	18.06	18.06	0.0	18.25
			36	0	19.98	19.85	19.72	0.0	20.00	18.12	18.07	17.98	0.0	18.25
			36	22	19.91	19.94	19.92	0.0	20.00	18.04	18.19	18.03	0.0	18.25
			36	43	19.91	19.81	19.89	0.0	20.00	18.19	18.17	18.15	0.0	18.25
			75	0	19.73	19.80	19.73	0.0	20.00	18.10	18.25	18.14	0.0	18.25
		16QAM	1	1	19.84	19.96	19.91	0.0	20.00	18.03	18.03	17.98	0.0	18.25
		64QAM	1	1	19.71	19.91	19.84	0.0	20.00	18.24	17.99	18.10	0.0	18.25
		256QAM	1	1	19.80	19.93	19.95	0.0	20.00	17.98	18.14	17.99	0.0	18.25
	CP-OFDM	QPSK	1	1	19.72	19.91	19.76	0.0	20.00	18.19	18.08	17.98	0.0	18.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.72	19.96	19.97	0.0	20.00	18.00	18.04	17.95	0.0	18.25
			1	1	19.82	19.83	19.88	0.0	20.00	18.21	18.02	18.24	0.0	18.25
		QPSK	1	26	19.78	19.93	19.83	0.0	20.00	18.07	18.16	17.96	0.0	18.25
			1	50	19.87	19.90	19.90	0.0	20.00	18.09	18.03	18.16	0.0	18.25
			25	0	19.97	19.75	19.74	0.0	20.00	18.21	18.04	18.03	0.0	18.25
			25	14	19.74	19.85	19.72	0.0	20.00	17.98	18.05	18.17	0.0	18.25
			25	27	19.76	20.00	19.86	0.0	20.00	17.96	18.25	18.14	0.0	18.25
			50	0	19.84	19.88	19.81	0.0	20.00	18.21	18.20	18.09	0.0	18.25
		16QAM	1	1	19.70	19.86	19.92	0.0	20.00	18.24	18.17	17.97	0.0	18.25
		64QAM	1	1	19.70	19.97	19.81	0.0	20.00	17.96	18.09	18.00	0.0	18.25
		256QAM	1	1	19.90	19.85	19.79	0.0	20.00	18.22	18.19	18.09	0.0	18.25
	CP-OFDM	QPSK	1	1	19.98	19.99	19.97	0.0	20.00	18.11	18.17	18.20	0.0	18.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					342500	349000	355500	MPR	Tune-up Limit	342500	349000	355500	MPR	Tune-up Limit
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.78	19.86	19.83	0.0	20.00	18.00	17.97	18.14	0.0	18.25
			1	1	19.78	19.94	19.71	0.0	20.00	18.05	17.96	18.19	0.0	18.25
		QPSK	1	13	19.97	19.88	19.99	0.0	20.00	17.99	18.21	18.05	0.0	18.25
			1	23	19.89	19.97	19.80	0.0	20.00	18.05	18.24	18.05	0.0	18.25
			12	0	19.76	19.73	19.86	0.0	20.00	18.03	17.97	18.00	0.0	18.25
			12	7	19.83	19.74	19.79	0.0	20.00	18.11	18.10	18.11	0.0	18.25
			12	13	19.97	19.87	19.87	0.0	20.00	18.17	18.17	18.01	0.0	18.25
			25	0	19.75	19.97	19.93	0.0	20.00	18.01	18.14	18.17	0.0	18.25
		16QAM	1	1	19.75	19.91	19.82	0.0	20.00	18.05	18.09	18.08	0.0	18.25
		64QAM	1	1	19.73	19.74	19.78	0.0	20.00	18.10	17.96	18.15	0.0	18.25
		256QAM	1	1	19.95	19.98	19.92	0.0	20.00	18.16	18.10	18.22	0.0	18.25
	CP-OFDM	QPSK	1	1	19.98	19.87	19.89	0.0	20.00	18.07	17.98	18.05	0.0	18.25

NR Band 66 Measured Results (ANT3)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					344000	349000	354000	MPR	Tune-up Limit	344000	349000	354000	MPR	Tune-up Limit
					1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	24.49	24.31	24.57	0	24.70	20.43	20.69	20.53	0	20.75
			1	1	24.34	24.51	24.35	0	24.70	20.47	20.66	20.50	0	20.75
		QPSK	1	53	24.49	24.70	24.55	0	24.70	20.75	20.75	20.75	0	20.75
			1	104	24.44	24.56	24.39	0	24.70	20.51	20.70	20.46	0	20.75
			50	0	23.47	23.42	23.31	1	23.70	20.41	20.68	20.52	0	20.75
			50	28	24.31	24.70	24.56	0	24.70	20.75	20.75	20.75	0	20.75
			50	56	23.35	23.53	23.60	1	23.70	20.53	20.44	20.66	0	20.75
			100	0	23.50	23.54	23.35	1	23.70	20.65	20.75	20.68	0	20.75
		16QAM	1	1	23.44	23.55	23.42	1	23.70	20.59	20.49	20.42	0	20.75
		64QAM	1	1	21.90	21.87	22.07	2.5	22.20	20.53	20.69	20.65	0	20.75
		256QAM	1	1	19.98	20.05	19.85	4.5	20.20	20.65	20.68	20.62	0	20.75
	CP-OFDM	QPSK	1	1	22.83	22.95	23.04	1.5	23.20	20.55	20.47	20.61	0	20.75
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500	349000	354500	MPR	Tune-up Limit	343500	349000	354500	MPR	Tune-up Limit
					1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	24.30	24.31	24.53	0	24.70	20.68	20.64	20.54	0	20.75
			1	1	24.56	24.48	24.43	0	24.70	20.66	20.65	20.54	0	20.75
		QPSK	1	40	24.56	24.49	24.41	0	24.70	20.49	20.44	20.46	0	20.75
			1	77	24.51	24.50	24.37	0	24.70	20.56	20.65	20.48	0	20.75
			36	0	23.32	23.55	23.56	1	23.70	20.68	20.63	20.62	0	20.75
			36	22	24.58	24.30	24.38	0	24.70	20.61	20.65	20.43	0	20.75
			36	43	23.39	23.50	23.59	1	23.70	20.46	20.41	20.51	0	20.75
			75	0	23.50	23.30	23.37	1	23.70	20.60	20.48	20.47	0	20.75
		16QAM	1	1	23.42	23.43	23.59	1	23.70	20.60	20.45	20.43	0	20.75
		64QAM	1	1	21.95	22.04	22.04	2.5	22.20	20.45	20.60	20.69	0	20.75
		256QAM	1	1	20.09	19.86	20.03	4.5	20.20	20.58	20.69	20.61	0	20.75
	CP-OFDM	QPSK	1	1	22.96	23.06	23.01	1.5	23.20	20.42	20.68	20.45	0	20.75
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	24.48	24.39	24.48	0	24.70	20.43	20.56	20.53	0	20.75
			1	1	24.46	24.34	24.56	0	24.70	20.68	20.44	20.52	0	20.75
		QPSK	1	26	24.34	24.43	24.49	0	24.70	20.44	20.46	20.64	0	20.75
			1	50	24.38	24.54	24.39	0	24.70	20.64	20.49	20.67	0	20.75
			25	0	23.38	23.35	23.40	1	23.70	20.48	20.43	20.45	0	20.75
			25	14	24.32	24.31	24.50	0	24.70	20.45	20.54	20.69	0	20.75
			25	27	23.59	23.35	23.31	1	23.70	20.68	20.65	20.62	0	20.75
			50	0	23.55	23.38	23.47	1	23.70	20.66	20.45	20.40	0	20.75
		16QAM	1	1	23.59	23.34	23.38	1	23.70	20.49	20.50	20.52	0	20.75
		64QAM	1	1	21.84	22.07	21.92	2.5	22.20	20.48	20.52	20.43	0	20.75
		256QAM	1	1	19.93	19.87	20.02	4.5	20.20	20.56	20.68	20.45	0	20.75
	CP-OFDM	QPSK	1	1	22.92	22.99	23.10	1.5	23.20	20.60	20.59	20.49	0	20.75
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					342500	349000	355500	MPR	Tune-up Limit	342500	349000	355500	MPR	Tune-up Limit
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	24.34	24.34	24.52	0	24.70	20.45	20.62	20.47	0	20.75
			1	1	24.31	24.32	24.59	0	24.70	20.52	20.55	20.51	0	20.75
		QPSK	1	13	24.55	24.44	24.46	0	24.70	20.55	20.61	20.60	0	20.75
			1	23	24.56	24.42	24.54	0	24.70	20.67	20.55	20.58	0	20.75
			12	0	23.43	23.45	23.52	1	23.70	20.65	20.48	20.42	0	20.75
			12	7	24.57	24.33	24.45	0	24.70	20.57	20.45	20.61	0	20.75
			12	13	23.33	23.50	23.56	1	23.70	20.57	20.41	20.60	0	20.75
			25	0	23.51	23.50	23.42	1	23.70	20.44	20.67	20.66	0	20.75
		16QAM	1	1	23.48	23.57	23.30	1	23.70	20.43	20.68	20.67	0	20.75
		64QAM	1	1	21.99	21.89	21.94	2.5	22.20	20.65	20.44	20.69	0	20.75
		256QAM	1	1	19.94	20.05	20.08	4.5	20.20	20.44	20.61	20.52	0	20.75
	CP-OFDM	QPSK	1	1	22.83	22.97	23.08	1.5	23.20	20.47	20.65	20.52	0	20.75

NR Band 66 Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					344000	349000	354000	MPR	Tune-up Limit	344000	349000	354000	MPR	Tune-up Limit
					1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.85	19.66	19.71	0	20.00	20.98	21.04	21.12	0	21.25
			1	1	19.87	19.79	19.67	0	20.00	20.93	21.08	20.95	0	21.25
		QPSK	1	53	20.00	20.00	20.00	0	20.00	21.25	21.25	21.25	0	21.25
			1	104	19.64	19.65	19.85	0	20.00	21.09	21.02	21.20	0	21.25
			50	0	19.84	19.83	19.66	0	20.00	20.94	21.02	20.98	0	21.25
			50	28	20.00	20.00	20.00	0	20.00	21.25	21.25	21.25	0	21.25
			50	56	19.66	19.82	19.66	0	20.00	21.12	21.11	21.15	0	21.25
			100	0	19.89	20.00	19.67	0	20.00	21.08	21.25	20.95	0	21.25
		16QAM	1	1	19.66	19.78	19.68	0	20.00	21.05	20.91	21.08	0	21.25
		64QAM	1	1	19.81	19.64	19.76	0	20.00	21.17	21.16	21.10	0	21.25
		256QAM	1	1	19.81	19.65	19.70	0	20.00	20.94	21.14	20.96	0	21.25
	CP-OFDM	QPSK	1	1	19.66	19.78	19.89	0	20.00	21.05	21.01	21.18	0	21.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500	349000	354500	MPR	Tune-up Limit	343500	349000	354500	MPR	Tune-up Limit
					1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.77	19.63	19.62	0	20.00	21.03	20.90	21.11	0	21.25
			1	1	19.74	19.67	19.82	0	20.00	20.99	20.98	20.97	0	21.25
		QPSK	1	40	19.61	19.84	19.64	0	20.00	21.04	21.02	20.91	0	21.25
			1	77	19.75	19.64	19.87	0	20.00	21.03	21.02	20.99	0	21.25
			36	0	19.81	19.79	19.72	0	20.00	21.09	20.92	21.01	0	21.25
			36	22	19.89	19.75	19.76	0	20.00	21.11	20.99	21.15	0	21.25
			36	43	19.71	19.65	19.89	0	20.00	20.94	21.03	21.06	0	21.25
			75	0	19.70	19.79	19.82	0	20.00	20.96	20.98	21.12	0	21.25
		16QAM	1	1	19.79	19.76	19.73	0	20.00	20.91	21.04	21.14	0	21.25
		64QAM	1	1	19.80	19.83	19.64	0	20.00	21.08	21.09	21.13	0	21.25
		256QAM	1	1	19.83	19.84	19.77	0	20.00	21.16	21.05	20.99	0	21.25
	CP-OFDM	QPSK	1	1	19.69	19.73	19.63	0	20.00	21.12	21.16	21.18	0	21.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.64	19.65	19.68	0	20.00	20.93	21.03	21.06	0	21.25
			1	1	19.64	19.64	19.79	0	20.00	21.06	21.08	21.09	0	21.25
		QPSK	1	26	19.88	19.88	19.84	0	20.00	21.11	20.95	21.00	0	21.25
			1	50	19.71	19.60	19.80	0	20.00	21.15	20.93	21.17	0	21.25
			25	0	19.69	19.61	19.77	0	20.00	21.18	21.06	21.17	0	21.25
			25	14	19.61	19.68	19.81	0	20.00	21.16	21.06	21.17	0	21.25
			25	27	19.84	19.65	19.71	0	20.00	20.98	21.03	21.06	0	21.25
			50	0	19.69	19.83	19.67	0	20.00	21.19	21.16	20.95	0	21.25
		16QAM	1	1	19.73	19.90	19.63	0	20.00	20.92	20.90	20.97	0	21.25
		64QAM	1	1	19.71	19.78	19.83	0	20.00	21.05	21.19	20.95	0	21.25
		256QAM	1	1	19.81	19.78	19.86	0	20.00	21.00	20.94	21.17	0	21.25
	CP-OFDM	QPSK	1	1	19.90	19.76	19.90	0	20.00	20.93	20.96	21.03	0	21.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					342500	349000	355500	MPR	Tune-up Limit	342500	349000	355500	MPR	Tune-up Limit
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.84	19.73	19.62	0	20.00	21.10	20.93	20.95	0	21.25
			1	1	19.86	19.77	19.74	0	20.00	20.91	20.99	21.05	0	21.25
		QPSK	1	13	19.89	19.79	19.78	0	20.00	21.08	20.99	20.95	0	21.25
			1	23	19.83	19.81	19.68	0	20.00	20.93	21.09	20.99	0	21.25
			12	0	19.62	19.74	19.80	0	20.00	20.98	21.05	20.95	0	21.25
			12	7	19.73	19.84	19.64	0	20.00	21.03	20.97	21.04	0	21.25
			12	13	19.71	19.74	19.64	0	20.00	21.16	21.05	21.17	0	21.25
			25	0	19.76	19.64	19.63	0	20.00	21.13	21.09	21.01	0	21.25
		16QAM	1	1	19.73	19.60	19.78	0	20.00	20.92	20.93	21.14	0	21.25
		64QAM	1	1	19.68	19.73	19.65	0	20.00	21.04	21.15	21.01	0	21.25
		256QAM	1	1	19.64	19.65	19.72	0	20.00	21.01	21.17	20.93	0	21.25
	CP-OFDM	QPSK	1	1	19.63	19.81	19.63	0	20.00	21.07	21.14	21.16	0	21.25

NR Band 71 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					134600	136100	137600	MPR	Tune-up Limit	134600	136100	137600	MPR	Tune-up Limit
					673 MHz	680.5 MHz	688 MHz			673 MHz	680.5 MHz	688 MHz		
20 MHz	DFS-s OFDM	QPSK	1	1		25.49		0.0	25.70		25.49		0.0	25.70
			1	1		25.56		0.0	25.70		25.56		0.0	25.70
			1	53		25.70		0.0	25.70		25.70		0.0	25.70
			1	104		25.54		0.0	25.70		25.54		0.0	25.70
			50	0		24.49		1.0	24.70		24.49		1.0	24.70
			50	28		25.70		0.0	25.70		25.70		0.0	25.70
			50	56		24.36		1.0	24.70		24.36		1.0	24.70
			100	0		24.44		1.0	24.70		24.44		1.0	24.70
			16QAM	1	1	24.35		1.0	24.70		24.35		1.0	24.70
			64QAM	1	1	22.99		2.5	23.20		22.99		2.5	23.20
15 MHz	DFS-s OFDM	QPSK	1	1		20.96		4.5	21.20		20.96		4.5	21.20
			1	1		24.10		1.5	24.20		24.10		1.5	24.20
			CP-OFDM	QPSK	1	1								
			1	1		25.48		0.0	25.70		25.48		0.0	25.70
			1	1		25.52		0.0	25.70		25.52		0.0	25.70
			1	40		25.55		0.0	25.70		25.55		0.0	25.70
			1	77		25.35		0.0	25.70		25.35		0.0	25.70
			36	0		24.59		1.0	24.70		24.59		1.0	24.70
			36	22		25.41		0.0	25.70		25.41		0.0	25.70
			36	43		24.37		1.0	24.70		24.37		1.0	24.70
10 MHz	DFS-s OFDM	QPSK	75	0		24.43		1.0	24.70		24.43		1.0	24.70
			16QAM	1	1	24.56		1.0	24.70		24.56		1.0	24.70
			64QAM	1	1	22.96		2.5	23.20		22.96		2.5	23.20
			256QAM	1	1	21.08		4.5	21.20		21.08		4.5	21.20
			CP-OFDM	QPSK	1	1								
			1	1		23.81		1.5	24.20		23.81		1.5	24.20
			1	1		25.48		0.0	25.70		25.48		0.0	25.70
			1	1		25.52		0.0	25.70		25.52		0.0	25.70
			1	26		25.46		0.0	25.70		25.46		0.0	25.70
			1	50		25.42		0.0	25.70		25.42		0.0	25.70
5 MHz	DFS-s OFDM	QPSK	25	0		24.38		1.0	24.70		24.38		1.0	24.70
			25	14		25.57		0.0	25.70		25.57		0.0	25.70
			25	27		24.42		1.0	24.70		24.42		1.0	24.70
			50	0		24.38		1.0	24.70		24.38		1.0	24.70
			16QAM	1	1	24.53		1.0	24.70		24.53		1.0	24.70
			64QAM	1	1	22.84		2.5	23.20		22.84		2.5	23.20
			256QAM	1	1	21.00		4.5	21.20		21.00		4.5	21.20
			CP-OFDM	QPSK	1	1								
			1	1		23.83		1.5	24.20		23.83		1.5	24.20
			1	1		25.32		0.0	25.70		25.32		0.0	25.70
5 MHz	DFS-s OFDM	QPSK	1	1		25.58		0.0	25.70		25.58		0.0	25.70
			1	13		25.38		0.0	25.70		25.38		0.0	25.70
			1	23		25.54		0.0	25.70		25.54		0.0	25.70
			12	0		24.44		1.0	24.70		24.44		1.0	24.70
			12	7		25.51		0.0	25.70		25.51		0.0	25.70
			12	13		24.33		1.0	24.70		24.33		1.0	24.70
			25	0		24.33		1.0	24.70		24.33		1.0	24.70
			16QAM	1	1	24.56		1.0	24.70		24.56		1.0	24.70
			64QAM	1	1	23.09		2.5	23.20		23.09		2.5	23.20
			256QAM	1	1	20.82		4.5	21.20		20.82		4.5	21.20
5 MHz	DFS-s OFDM	QPSK	1	1		24.07		1.5	24.20		24.07		1.5	24.20
			1	1		23.88		1.5	24.20		23.88		1.5	24.20
			1	1		24.06		1.5	24.20		24.06		1.5	24.20
			1	1		25.32		0.0	25.70		25.32		0.0	25.70
			1	1		25.47		0.0	25.70		25.47		0.0	25.70
			1	13		25.38		0.0	25.70		25.38		0.0	25.70
			1	23		25.54		0.0	25.70		25.54		0.0	25.70
			12	0		24.44		1.0	24.70		24.44		1.0	24.70
			12	7		25.51		0.0	25.70		25.51		0.0	25.70
			12	13		24.33		1.0	24.70		24.33		1.0	24.70

NR Band 71 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					134600	136100	137600	MPR	Tune-up Limit	134600	136100	137600	MPR	Tune-up Limit
					673 MHz	680.5 MHz	688 MHz			673 MHz	680.5 MHz	688 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.39		0.0	24.50		24.39		0.0	24.50	
			1	1	24.39		0.0	24.50		24.39		0.0	24.50	
		QPSK	1	53	24.50		0.0	24.50		24.50		0.0	24.50	
			1	104	24.21		0.0	24.50		24.21		0.0	24.50	
			50	0	23.27		1.0	23.50		23.27		1.0	23.50	
			50	28	24.32		0.0	24.50		24.32		0.0	24.50	
			50	56	23.42		1.0	23.50		23.42		1.0	23.50	
			100	0	23.29		1.0	23.50		23.29		1.0	23.50	
			16QAM	1	1	23.38		1.0	23.50	23.38		1.0	23.50	
		64QAM	1	1	21.96		2.5	22.00	21.96		2.5	22.00		
	256QAM	1	1	19.75		4.5	20.00	19.75		4.5	20.00			
	CP-OFDM	QPSK	1	1	22.94		1.5	23.00	22.94		1.5	23.00		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					134100	136100	138100	MPR	Tune-up Limit	134100	136100	138100	MPR	Tune-up Limit
					670.5 MHz	680.5 MHz	690.5 MHz			670.5 MHz	680.5 MHz	690.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.21		0.0	24.50		24.21		0.0	24.50	
			1	1	24.25		0.0	24.50		24.25		0.0	24.50	
		QPSK	1	40	24.36		0.0	24.50		24.36		0.0	24.50	
			1	77	24.37		0.0	24.50		24.37		0.0	24.50	
			36	0	23.31		1.0	23.50		23.31		1.0	23.50	
			36	22	24.20		0.0	24.50		24.20		0.0	24.50	
			36	43	23.39		1.0	23.50		23.39		1.0	23.50	
			75	0	23.43		1.0	23.50		23.43		1.0	23.50	
			16QAM	1	1	23.35		1.0	23.50	23.35		1.0	23.50	
		64QAM	1	1	21.89		2.5	22.00	21.89		2.5	22.00		
	256QAM	1	1	19.86		4.5	20.00	19.86		4.5	20.00			
	CP-OFDM	QPSK	1	1	22.83		1.5	23.00	22.83		1.5	23.00		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					133600	136100	138600	MPR	Tune-up Limit	133600	136100	138600	MPR	Tune-up Limit
					668 MHz	680.5 MHz	693 MHz			668 MHz	680.5 MHz	693 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.43	24.30	24.24	0.0	24.50	24.43	24.30	24.24	0.0	24.50
			1	1	24.49	24.49	24.32	0.0	24.50	24.49	24.49	24.32	0.0	24.50
		QPSK	1	26	24.42	24.26	24.37	0.0	24.50	24.42	24.26	24.37	0.0	24.50
			1	50	24.36	24.50	24.48	0.0	24.50	24.36	24.50	24.48	0.0	24.50
			25	0	23.49	23.41	23.22	1.0	23.50	23.49	23.41	23.22	1.0	23.50
			25	14	24.47	24.39	24.36	0.0	24.50	24.47	24.39	24.36	0.0	24.50
			25	27	23.36	23.45	23.30	1.0	23.50	23.36	23.45	23.30	1.0	23.50
			50	0	23.32	23.29	23.41	1.0	23.50	23.32	23.29	23.41	1.0	23.50
			16QAM	1	1	23.39	23.40	23.32	1.0	23.50	23.39	23.40	23.32	1.0
		64QAM	1	1	21.92	21.75	21.78	2.5	22.00	21.92	21.75	21.78	2.5	22.00
	256QAM	1	1	19.71	19.83	19.96	4.5	20.00	19.71	19.83	19.96	4.5	20.00	
	CP-OFDM	QPSK	1	1	22.76	22.81	22.91	1.5	23.00	22.76	22.81	22.91	1.5	23.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					133100	136100	139100	MPR	Tune-up Limit	133100	136100	139100	MPR	Tune-up Limit
					665.5 MHz	680.5 MHz	695.5 MHz			665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.35	24.36	24.48	0.0	24.50	24.35	24.36	24.48	0.0	24.50
			1	1	24.37	24.34	24.27	0.0	24.50	24.37	24.34	24.27	0.0	24.50
		QPSK	1	13	24.24	24.46	24.36	0.0	24.50	24.24	24.46	24.36	0.0	24.50
			1	23	24.28	24.27	24.36	0.0	24.50	24.28	24.27	24.36	0.0	24.50
			12	0	23.41	23.42	23.29	1.0	23.50	23.41	23.42	23.29	1.0	23.50
			12	7	24.26	24.21	24.40	0.0	24.50	24.26	24.21	24.40	0.0	24.50
			12	13	23.26	23.36	23.35	1.0	23.50	23.26	23.36	23.35	1.0	23.50
			25	0	23.32	23.45	23.48	1.0	23.50	23.32	23.45	23.48	1.0	23.50
			16QAM	1	1	23.25	23.46	23.31	1.0	23.50	23.25	23.46	23.31	1.0
		64QAM	1	1	21.75	21.80	21.91	2.5	22.00	21.75	21.80	21.91	2.5	22.00
	256QAM	1	1	19.95	19.81	19.97	4.5	20.00	19.95	19.81	19.97	4.5	20.00	
	CP-OFDM	QPSK	1	1	22.89	22.82	22.91	1.5	23.00	22.89	22.82	22.91	1.5	23.00

NR Band 77 Measured Results (ANT7)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					650000	653000	656000	659000	662000	MFR	Tune-up Limit	650000	653000	656000	659000	662000	MFR	Tune-up Limit	
					3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz			3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz			
100 MHz	DFS-s OFDM	PV2 BPSK	1	1			25.31			0.00	25.70				19.49			0.00	19.75
			1	1			25.32			0.00	25.70				19.38			0.00	19.75
			1	137			25.38			0.00	25.70				19.70			0.00	19.75
			1	271			25.34			0.00	25.70				19.47			0.00	19.75
			135	0			24.52			1.00	24.70				19.49			0.00	19.75
			135	69			25.60			0.00	25.70				19.57			0.00	19.75
			135	138			24.38			1.00	24.70				19.32			0.00	19.75
			270	0			24.37			1.00	24.70				19.50			0.00	19.75
			16QAM	1	1		24.42			1.00	24.70				19.51			0.00	19.75
		64QAM	1	1		23.06			2.50	23.20				19.38			0.00	19.75	
		256QAM	1	1		20.87			4.50	21.20				19.51			0.00	19.75	
		CP-OFDM	QPSK	1	1			23.91			1.50	24.20				19.54			0.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					649666.00	652834.00	656000.00	659166.00	662334.00	MFR	Tune-up Limit	649666	652834	656000	659166	662334	MFR	Tune-up Limit	
3744.99 MHz	3792.51 MHz	3840 MHz	3887.49 MHz	3935.01 MHz	3744.99 MHz	3792.51 MHz	3840 MHz	3887.49 MHz	3935.01 MHz										
90 MHz	DFS-s OFDM	PV2 BPSK	1	1			25.52			0.00	25.70				19.35			0.00	19.75
			1	1			25.40			0.00	25.70				19.37			0.00	19.75
			1	123			25.37			0.00	25.70				19.35			0.00	19.75
			1	243			25.41			0.00	25.70				19.55			0.00	19.75
			120	0			24.54			1.00	24.70				19.54			0.00	19.75
			120	63			25.43			0.00	25.70				19.32			0.00	19.75
			120	125			24.39			1.00	24.70				19.56			0.00	19.75
			243	0			24.48			1.00	24.70				19.39			0.00	19.75
			16QAM	1	1		24.34			1.00	24.70				19.37			0.00	19.75
		64QAM	1	1		23.04			2.5	23.20				19.47			0.00	19.75	
		256QAM	1	1		20.89			4.5	21.20				19.48			0.00	19.75	
		CP-OFDM	QPSK	1	1			23.98			1.5	24.20				19.52			0.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					649334	652666	656000	659334	662666	MFR	Tune-up Limit	649334	652666	656000	659334	662666	MFR	Tune-up Limit	
3740.01 MHz	3789.99 MHz	3840 MHz	3890.01 MHz	3939.99 MHz	3740.01 MHz	3789.99 MHz	3840 MHz	3890.01 MHz	3939.99 MHz										
80 MHz	DFS-s OFDM	PV2 BPSK	1	1	25.43	25.49	25.49	25.44	25.56	0.0	25.70	19.45	19.32	19.57	19.36	19.36	0.0	19.75	
			1	1	25.58	25.50	25.51	25.40	25.56	0.0	25.70	19.47	19.45	19.38	19.38	19.55	0.0	19.75	
			1	109	25.53	25.50	25.30	25.36	25.42	0.0	25.70	19.42	19.45	19.55	19.52	19.42	0.0	19.75	
			1	215	25.58	25.44	25.37	25.55	25.51	0.0	25.70	19.38	19.37	19.57	19.42	19.51	0.0	19.75	
			108	0	24.52	24.54	24.50	24.45	24.39	1.0	24.70	19.34	19.38	19.45	19.59	19.40	0.0	19.75	
			108	55	25.55	25.34	25.38	25.33	25.47	0.0	25.70	19.42	19.56	19.50	19.35	19.51	0.0	19.75	
			108	109	24.41	24.37	24.45	24.33	24.48	1.0	24.70	19.31	19.60	19.35	19.60	19.52	0.0	19.75	
			216	0	24.40	24.49	24.46	24.53	24.57	1.0	24.70	19.50	19.33	19.42	19.57	19.58	0.0	19.75	
			16QAM	1	1	24.53	24.44	24.44	24.46	24.49	1.0	24.70	19.53	19.45	19.31	19.37	19.53	0.0	19.75
		64QAM	1	1	22.99	22.99	23.06	23.01	23.07	2.5	23.20	19.41	19.45	19.42	19.54	19.49	0.0	19.75	
		256QAM	1	1	21.09	20.95	20.97	20.94	20.96	4.5	21.20	19.38	19.50	19.36	19.35	19.50	0.0	19.75	
		CP-OFDM	QPSK	1	1	23.82	23.84	23.91	23.92	24.05	1.5	24.20	19.54	19.32	19.52	19.49	19.32	0.0	19.75
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					648666	652334	656000	659666	663334	MFR	Tune-up Limit	648666	652334	656000	659666	663334	MFR	Tune-up Limit	
3729.99 MHz	6785.01 MHz	3840 MHz	3894.99 MHz	3950.1 MHz	3729.99 MHz	6785.01 MHz	3840 MHz	3894.99 MHz	3950.1 MHz										
60 MHz	DFS-s OFDM	PV2 BPSK	1	1	25.31	25.49	25.51	25.47	25.47	0.0	25.70	19.59	19.51	19.50	19.40	19.35	0.0	19.75	
			1	1	25.55	25.46	25.31	25.49	25.52	0.0	25.70	19.31	19.53	19.51	19.59	19.48	0.0	19.75	
			1	81	25.41	25.44	25.37	25.47	25.55	0.0	25.70	19.33	19.40	19.58	19.45	19.46	0.0	19.75	
			1	160	25.34	25.44	25.56	25.54	25.50	0.0	25.70	19.47	19.31	19.32	19.45	19.43	0.0	19.75	
			81	0	24.41	24.52	24.59	24.33	24.36	1.0	24.70	19.31	19.58	19.59	19.43	19.49	0.0	19.75	
			81	40	25.55	25.49	25.36	25.39	25.58	0.0	25.70	19.52	19.41	19.42	19.56	19.48	0.0	19.75	
			81	81	24.42	24.35	24.44	24.41	24.49	1.0	24.70	19.36	19.34	19.38	19.49	19.55	0.0	19.75	
			162	0	24.59	24.52	24.41	24.36	24.58	1.0	24.70	19.33	19.48	19.59	19.58	19.58	0.0	19.75	
			16QAM	1	1	24.42	24.49	24.46	24.33	24.49	1.0	24.70	19.46	19.43	19.50	19.56	19.34	0.0	19.75
		64QAM	1	1	23.00	22.91	23.00	23.02	22.81	2.5	23.20	19.55	19.51	19.58	19.58	19.53	0.0	19.75	
		256QAM	1	1	21.06	21.02	20.84	20.82	20.91	4.5	21.20	19.35	19.56	19.49	19.39	19.50	0.0	19.75	
		CP-OFDM	QPSK	1	1	24.05	23.98	23.99	23.84	23.83	1.5	24.20	19.46	19.50	19.33	19.56	19.36	0.0	19.75

NR Band 77 Measured Results (ANT7) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					648334	652166	656000	659834	663666	MFR	Tune-up Limit	648334	652166	656000	659834	663666	MFR	Tune-up Limit	
					3725.01 MHz	652166 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			3725.01 MHz	652166 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			
50 MHz	DFS-s OFDM	Pv2 BPSK	1	1	25.43	25.30	25.49	25.35	25.42	0.0	25.70	19.53	19.34	19.47	19.49	19.41	0.0	19.75	
			1	1	25.45	25.49	25.59	25.35	25.57	0.0	25.70	19.33	19.33	19.33	19.52	19.54	0.0	19.75	
		QPSK	1	67	25.58	25.37	25.42	25.43	25.33	0.0	25.70	19.39	19.47	19.39	19.36	19.48	0.0	19.75	
			1	131	25.34	25.59	25.50	25.54	25.40	0.0	25.70	19.55	19.50	19.36	19.31	19.38	0.0	19.75	
			64	0	24.50	24.36	24.57	24.35	24.42	1.0	24.70	19.52	19.53	19.39	19.43	19.55	0.0	19.75	
			64	35	25.40	25.46	25.45	25.31	25.52	0.0	25.70	19.37	19.34	19.40	19.32	19.53	0.0	19.75	
			64	69	24.32	24.32	24.39	24.33	24.42	1.0	24.70	19.45	19.58	19.44	19.31	19.38	0.0	19.75	
			128	0	24.41	24.59	24.40	24.55	24.37	1.0	24.70	19.49	19.48	19.59	19.31	19.35	0.0	19.75	
			16QAM	1	1	24.54	24.39	24.38	24.46	24.33	1.0	24.70	19.49	19.36	19.34	19.55	19.53	0.0	19.75
			64QAM	1	1	22.88	22.94	22.92	23.07	23.08	2.5	23.20	19.38	19.34	19.44	19.40	19.56	0.0	19.75
256QAM	1	1	20.84	20.98	20.94	20.94	20.87	4.5	21.20	19.44	19.47	19.34	19.32	19.58	0.0	19.75			
CP-OFDM	QPSK	1	1	23.83	24.00	23.90	24.02	24.05	1.5	24.20	19.56	19.44	19.56	19.57	19.35	0.0	19.75		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					648000	652000	656000	660000	664000	MFR	Tune-up Limit	648000	652000	656000	660000	664000	MFR	Tune-up Limit	
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			
40 MHz	DFS-s OFDM	Pv2 BPSK	1	1	25.52	25.51	25.33	25.49	25.34	0.0	25.70	19.36	19.30	19.37	19.49	19.56	0.0	19.75	
			1	1	25.51	25.59	25.34	25.56	25.55	0.0	25.70	19.36	19.35	19.33	19.45	19.47	0.0	19.75	
		QPSK	1	53	25.59	25.43	25.35	25.31	25.57	0.0	25.70	19.38	19.36	19.46	19.34	19.30	0.0	19.75	
			1	104	25.56	25.39	25.43	25.55	25.47	0.0	25.70	19.55	19.51	19.49	19.52	19.47	0.0	19.75	
			50	0	24.38	24.58	24.42	24.37	24.58	1.0	24.70	19.44	19.60	19.30	19.41	19.59	0.0	19.75	
			50	28	25.45	25.50	25.49	25.43	25.57	0.0	25.70	19.48	19.40	19.51	19.39	19.31	0.0	19.75	
			50	56	24.40	24.30	24.58	24.42	24.43	1.0	24.70	19.58	19.33	19.56	19.37	19.51	0.0	19.75	
			100	0	24.33	24.50	24.40	24.33	24.51	1.0	24.70	19.34	19.39	19.46	19.38	19.37	0.0	19.75	
			16QAM	1	1	24.34	24.36	24.32	24.39	24.57	1.0	24.70	19.40	19.38	19.54	19.59	19.53	0.0	19.75
			64QAM	1	1	22.84	23.05	22.81	22.96	22.95	2.5	23.20	19.34	19.32	19.53	19.33	19.53	0.0	19.75
256QAM	1	1	21.04	20.89	20.87	21.09	20.89	4.5	21.20	19.33	19.54	19.30	19.31	19.40	0.0	19.75			
CP-OFDM	QPSK	1	1	24.08	23.95	23.95	23.90	23.92	1.5	24.20	19.39	19.33	19.51	19.36	19.32	0.0	19.75		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)							
					647334	651666	656000	660266	664666	MFR	Tune-up Limit	647334	651666	656000	660266	664666	MFR	Tune-up Limit	
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			
20 MHz	DFS-s OFDM	Pv2 BPSK	1	1	25.35	25.44	25.59	25.38	25.41	0.0	25.70	19.46	19.40	19.40	19.37	19.46	0.0	19.75	
			1	1	25.45	25.49	25.31	25.41	25.48	0.0	25.70	19.36	19.59	19.46	19.47	19.31	0.0	19.75	
		QPSK	1	26	25.59	25.57	25.39	25.55	25.56	0.0	25.70	19.58	19.50	19.31	19.32	19.46	0.0	19.75	
			1	49	25.51	25.33	25.47	25.56	25.41	0.0	25.70	19.37	19.37	19.55	19.38	19.58	0.0	19.75	
			25	0	24.57	24.36	24.37	24.37	24.36	1.0	24.70	19.37	19.47	19.44	19.40	19.50	0.0	19.75	
			25	13	25.46	25.40	25.30	25.53	25.37	0.0	25.70	19.37	19.49	19.58	19.38	19.35	0.0	19.75	
			25	26	24.50	24.59	24.33	24.36	24.45	1.0	24.70	19.35	19.40	19.37	19.51	19.50	0.0	19.75	
			50	0	24.59	24.44	24.58	24.50	24.32	1.0	24.70	19.42	19.38	19.31	19.40	19.36	0.0	19.75	
			16QAM	1	1	24.40	24.33	24.57	24.54	24.42	1.0	24.70	19.58	19.53	19.54	19.48	19.43	0.0	19.75
			64QAM	1	1	23.09	22.85	23.02	23.09	22.91	2.5	23.20	19.46	19.35	19.33	19.58	19.49	0.0	19.75
256QAM	1	1	21.07	20.96	21.06	20.92	20.98	4.5	21.20	19.45	19.33	19.55	19.57	19.50	0.0	19.75			
CP-OFDM	QPSK	1	1	23.91	23.99	23.92	23.82	23.97	1.5	24.20	19.45	19.60	19.50	19.53	19.54	0.0	19.75		

NR Band 77 Measured Results (ANT8)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)								
					650000	653000	656000	659000	662000	MFR	Tune-up Limit	650000	653000	656000	659000	662000	MFR	Tune-up Limit		
					3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz			3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz				
100 MHz	DFS-s OFDM	Pv2 BPSK	1	1			17.73			0.0	18.00				18.24			0.0	18.50	
			1	1			17.82			0.0	18.00				18.38			0.0	18.50	
		QPSK	1	137			17.85			0.0	18.00				18.48			0.0	18.50	
			1	271			17.84			0.0	18.00				18.13			0.0	18.50	
			135	0			17.61			0.0	18.00				18.13			0.0	18.50	
			135	69			17.90			0.0	18.00				18.32			0.0	18.50	
			135	138			17.80			0.0	18.00				18.15			0.0	18.50	
			270	0			17.99			0.0	18.00				18.32			0.0	18.50	
			16QAM	1	1			17.81			0.0	18.00				18.33			0.0	18.50
			64QAM	1	1			17.78			0.0	18.00				18.26			0.0	18.50
		256QAM	1	1			17.62			0.0	18.00				18.18			0.0	18.50	
		CP-OFDM	QPSK	1	1			17.88			0.0	18.00				18.22			0.0	18.50
		BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
							649666	652834	656000	659166	662334	MFR	Tune-up Limit	649666	652834	656000	659166	662334	MFR	Tune-up Limit
3744.99 MHz	3792.51 MHz						3840 MHz	3887.49 MHz	3935.01 MHz	3744.99 MHz	3792.51 MHz			3840 MHz	3887.49 MHz	3935.01 MHz				
90 MHz	DFS-s OFDM	Pv2 BPSK	1	1			17.81			0.0	18.00				18.37			0.0	18.50	
			1	1			17.71			0.0	18.00				18.39			0.0	18.50	
		QPSK	1	123			17.74			0.0	18.00				18.34			0.0	18.50	
			1	243			17.77			0.0	18.00				18.34			0.0	18.50	
			120	0			17.60			0.0	18.00				18.35			0.0	18.50	
			120	63			17.71			0.0	18.00				18.12			0.0	18.50	
			120	125			17.73			0.0	18.00				18.35			0.0	18.50	
			243	0			17.81			0.0	18.00				18.19			0.0	18.50	
			16QAM	1	1			17.78			0.0	18.00				18.26			0.0	18.50
			64QAM	1	1			17.80			0.0	18.00				18.39			0.0	18.50
		256QAM	1	1			17.62			0.0	18.00				18.29			0.0	18.50	
		CP-OFDM	QPSK	1	1			17.62			0.0	18.00				18.20			0.0	18.50
		BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
							649334	652666	656000	659334	662666	MFR	Tune-up Limit	649334	652666	656000	659334	662666	MFR	Tune-up Limit
3740.01 MHz	3789.99 MHz						3840 MHz	3890.01 MHz	3939.99 MHz	3740.01 MHz	3789.99 MHz			3840 MHz	3890.01 MHz	3939.99 MHz				
80 MHz	DFS-s OFDM	Pv2 BPSK	1	1	17.67	17.68	17.89	17.88	17.88	0.0	18.00	18.18	18.32	18.38	18.36	18.16	0.0	18.50		
			1	1	17.74	17.71	17.64	17.77	17.87	0.0	18.00	18.25	18.21	18.18	18.30	18.11	0.0	18.50		
		QPSK	1	109	17.61	17.81	17.82	17.60	17.72	0.0	18.00	18.38	18.36	18.39	18.18	18.30	0.0	18.50		
			1	215	17.71	17.79	17.87	17.65	17.85	0.0	18.00	18.23	18.13	18.31	18.15	18.18	0.0	18.50		
			108	0	17.72	17.89	17.85	17.65	17.68	0.0	18.00	18.39	18.32	18.35	18.12	18.32	0.0	18.50		
			108	55	17.62	17.84	17.74	17.78	17.71	0.0	18.00	18.31	18.27	18.36	18.38	18.28	0.0	18.50		
			108	109	17.81	17.67	17.74	17.61	17.66	0.0	18.00	18.17	18.26	18.24	18.17	18.10	0.0	18.50		
			216	0	17.64	17.64	17.75	17.74	17.66	0.0	18.00	18.34	18.25	18.11	18.35	18.27	0.0	18.50		
			16QAM	1	1	17.80	17.78	17.77	17.87	17.70	0.0	18.00	18.38	18.32	18.17	18.31	18.36	0.0	18.50	
			64QAM	1	1	17.63	17.71	17.66	17.66	17.86	0.0	18.00	18.17	18.38	18.12	18.34	18.11	0.0	18.50	
		256QAM	1	1	17.63	17.65	17.70	17.64	17.86	0.0	18.00	18.39	18.34	18.33	18.19	18.28	0.0	18.50		
		CP-OFDM	QPSK	1	1	17.84	17.85	17.68	17.75	17.87	0.0	18.00	18.33	18.28	18.28	18.21	18.34	0.0	18.50	
		BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
							648666	652334	656000	659666	663334	MFR	Tune-up Limit	648666	652334	656000	659666	663334	MFR	Tune-up Limit
3729.99 MHz	6785.01 MHz						3840 MHz	3894.99 MHz	3950.1 MHz	3729.99 MHz	6785.01 MHz			3840 MHz	3894.99 MHz	3950.1 MHz				
60 MHz	DFS-s OFDM	Pv2 BPSK	1	1	17.68	17.68	17.75	17.77	17.79	0.0	18.00	18.37	18.33	18.40	18.33	18.33	0.0	18.50		
			1	1	17.72	17.76	17.74	17.81	17.76	0.0	18.00	18.24	18.22	18.16	18.36	18.30	0.0	18.50		
		QPSK	1	81	17.62	17.63	17.89	17.75	17.72	0.0	18.00	18.32	18.29	18.31	18.22	18.24	0.0	18.50		
			1	160	17.76	17.78	17.62	17.70	17.83	0.0	18.00	18.19	18.31	18.15	18.12	18.22	0.0	18.50		
			81	0	17.87	17.65	17.81	17.73	17.60	0.0	18.00	18.19	18.17	18.24	18.36	18.25	0.0	18.50		
			81	40	17.63	17.89	17.69	17.62	17.67	0.0	18.00	18.35	18.14	18.23	18.12	18.31	0.0	18.50		
			81	81	17.76	17.60	17.65	17.79	17.82	0.0	18.00	18.21	18.31	18.35	18.21	18.14	0.0	18.50		
			162	0	17.61	17.73	17.72	17.87	17.77	0.0	18.00	18.36	18.39	18.22	18.38	18.28	0.0	18.50		
			16QAM	1	1	17.78	17.71	17.88	17.63	17.88	0.0	18.00	18.21	18.31	18.14	18.36	18.22	0.0	18.50	
			64QAM	1	1	17.87	17.69	17.64	17.80	17.60	0.0	18.00	18.16	18.13	18.15	18.38	18.26	0.0	18.50	
		256QAM	1	1	17.64	17.71	17.87	17.62	17.86	0.0	18.00	18.11	18.26	18.16	18.24	18.29	0.0	18.50		
		CP-OFDM	QPSK	1	1	17.70	17.62	17.69	17.64	17.76	0.0	18.00	18.11	18.23	18.37	18.18	18.36	0.0	18.50	

NR Band 77 Measured Results (ANT8) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648334	652166	656000	659834	663666	MFR	Tune-up Limit	648334	652166	656000	659834	663666	MFR	Tune-up Limit
					3725.01 MHz	652166 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			3725.01 MHz	652166 MHz	3840 MHz	3897.51 MHz	3954.99 MHz		
50 MHz	DFS-s OFDM	Pv2 BPSK	1	1	17.85	17.79	17.66	17.71	17.72	0.0	18.00	18.12	18.39	18.15	18.17	18.19	0.0	18.50
			1	1	17.84	17.85	17.89	17.89	17.88	0.0	18.00	18.18	18.13	18.27	18.22	18.32	0.0	18.50
		QPSK	1	67	17.81	17.74	17.62	17.85	17.82	0.0	18.00	18.11	18.16	18.16	18.32	18.13	0.0	18.50
			1	131	17.80	17.62	17.61	17.87	17.78	0.0	18.00	18.14	18.33	18.34	18.23	18.11	0.0	18.50
			64	0	17.61	17.65	17.86	17.69	17.84	0.0	18.00	18.39	18.15	18.29	18.24	18.14	0.0	18.50
			64	35	17.73	17.80	17.62	17.78	17.80	0.0	18.00	18.15	18.36	18.30	18.22	18.14	0.0	18.50
			64	69	17.62	17.72	17.85	17.84	17.77	0.0	18.00	18.17	18.24	18.31	18.21	18.26	0.0	18.50
			128	0	17.89	17.72	17.79	17.61	17.68	0.0	18.00	18.18	18.13	18.30	18.21	18.35	0.0	18.50
		16QAM	1	1	17.70	17.75	17.85	17.89	17.76	0.0	18.00	18.30	18.36	18.31	18.10	18.32	0.0	18.50
		64QAM	1	1	17.77	17.87	17.84	17.64	17.62	0.0	18.00	18.29	18.11	18.24	18.27	18.23	0.0	18.50
		256QAM	1	1	17.66	17.63	17.64	17.63	17.64	0.0	18.00	18.33	18.23	18.34	18.17	18.40	0.0	18.50
		CP-OFDM	QPSK	1	1	17.68	17.64	17.75	17.78	17.71	0.0	18.00	18.36	18.31	18.32	18.30	18.30	0.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648000	652000	656000	660000	664000	MFR	Tune-up Limit	648000	652000	656000	660000	664000	MFR	Tune-up Limit
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz		
40 MHz	DFS-s OFDM	Pv2 BPSK	1	1	17.64	17.74	17.84	17.83	17.81	0.0	18.00	18.28	18.34	18.16	18.23	18.21	0.0	18.50
			1	1	17.82	17.60	17.90	17.65	17.63	0.0	18.00	18.14	18.26	18.29	18.12	18.38	0.0	18.50
		QPSK	1	53	17.78	17.76	17.80	17.87	17.69	0.0	18.00	18.10	18.16	18.13	18.24	18.17	0.0	18.50
			1	104	17.89	17.66	17.80	17.70	17.89	0.0	18.00	18.14	18.35	18.16	18.19	18.16	0.0	18.50
			50	0	17.80	17.77	17.63	17.75	17.71	0.0	18.00	18.16	18.17	18.15	18.17	18.28	0.0	18.50
			50	28	17.76	17.87	17.86	17.70	17.90	0.0	18.00	18.39	18.29	18.39	18.27	18.21	0.0	18.50
			50	56	17.67	17.87	17.62	17.76	17.70	0.0	18.00	18.14	18.12	18.35	18.36	18.24	0.0	18.50
			100	0	17.75	17.70	17.62	17.81	17.69	0.0	18.00	18.22	18.32	18.33	18.24	18.11	0.0	18.50
		16QAM	1	1	17.90	17.90	17.85	17.82	17.76	0.0	18.00	18.30	18.27	18.20	18.39	18.38	0.0	18.50
		64QAM	1	1	17.89	17.60	17.60	17.70	17.83	0.0	18.00	18.22	18.11	18.18	18.21	18.39	0.0	18.50
		256QAM	1	1	17.79	17.62	17.63	17.64	17.82	0.0	18.00	18.15	18.19	18.37	18.21	18.36	0.0	18.50
		CP-OFDM	QPSK	1	1	17.71	17.69	17.80	17.75	17.77	0.0	18.00	18.29	18.12	18.12	18.29	18.22	0.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					647334	651666	656000	660266	664666	MFR	Tune-up Limit	647334	651666	656000	660266	664666	MFR	Tune-up Limit
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
20 MHz	DFS-s OFDM	Pv2 BPSK	1	1	17.86	17.70	17.81	17.76	17.78	0.0	18.00	18.28	18.34	18.22	18.21	18.19	0.0	18.50
			1	1	17.70	17.81	17.87	17.67	17.80	0.0	18.00	18.17	18.32	18.15	18.21	18.28	0.0	18.50
		QPSK	1	26	17.65	17.64	17.72	17.90	17.83	0.0	18.00	18.38	18.17	18.34	18.21	18.26	0.0	18.50
			1	49	17.88	17.72	17.77	17.70	17.76	0.0	18.00	18.31	18.33	18.27	18.33	18.33	0.0	18.50
			25	0	17.84	17.73	17.70	17.83	17.71	0.0	18.00	18.19	18.14	18.35	18.32	18.35	0.0	18.50
			25	13	17.77	17.74	17.87	17.87	17.61	0.0	18.00	18.25	18.16	18.36	18.32	18.19	0.0	18.50
			25	26	17.73	17.83	17.87	17.66	17.77	0.0	18.00	18.31	18.13	18.27	18.27	18.21	0.0	18.50
			50	0	17.83	17.80	17.71	17.67	17.64	0.0	18.00	18.14	18.29	18.18	18.30	18.32	0.0	18.50
		16QAM	1	1	17.64	17.67	17.87	17.72	17.80	0.0	18.00	18.29	18.36	18.38	18.34	18.38	0.0	18.50
		64QAM	1	1	17.77	17.73	17.71	17.73	17.62	0.0	18.00	18.37	18.10	18.21	18.26	18.36	0.0	18.50
		256QAM	1	1	17.70	17.77	17.77	17.65	17.81	0.0	18.00	18.23	18.30	18.23	18.31	18.16	0.0	18.50
		CP-OFDM	QPSK	1	1	17.71	17.85	17.68	17.75	17.81	0.0	18.00	18.34	18.25	18.17	18.25	18.23	0.0

NR Band 77 Measured Results (ANT9)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					650000	653000	656000	659000	662000	MFR	Tune-up Limit	650000	653000	656000	659000	662000	MFR	Tune-up Limit
					3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz			3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz		
100 MHz	DFS-s OFDM	P2 BPSK	1	1			25.51			0	25.70			20.00			0	20.75
			1	1			25.41			0	25.70			20.08			0	20.75
		QPSK	1	137			25.51			0	25.70			20.10			0	20.75
			1	271			25.49			0	25.70			20.09			0	20.75
			135	0			24.43			0.7	25.00			20.03			0	20.75
			135	69			25.50			0	25.70			20.10			0	20.75
			135	138			24.50			0.7	25.00			20.04			0	20.75
			270	0			24.42			0.7	25.00			20.10			0	20.75
			16QAM	1	1		24.50			1	24.70			20.06			0	20.75
			64QAM	1	1		22.81			2.5	23.20			19.94			0	20.75
			256QAM	1	1		21.02			4.5	21.20			19.90			0	20.75
		CP-OFDM	QPSK	1	1		23.91			1.5	24.20			20.11			0	20.75
90 MHz	DFS-s OFDM	P2 BPSK	1	1			25.52			0	25.70			19.84			0	20.75
			1	1			25.50			0	25.70			19.79			0	20.75
		QPSK	1	123			25.31			0	25.70			19.97			0	20.75
			1	243			25.50			0	25.70			19.75			0	20.75
			120	0			24.58			0.7	25.00			19.96			0	20.75
			120	63			25.56			0	25.70			20.00			0	20.75
			120	125			24.34			0.7	25.00			19.77			0	20.75
			243	0			24.43			0.7	25.00			19.91			0	20.75
			16QAM	1	1		24.31			1	24.70			20.03			0	20.75
			64QAM	1	1		22.94			2.5	23.20			19.93			0	20.75
			256QAM	1	1		20.92			4.5	21.20			19.80			0	20.75
		CP-OFDM	QPSK	1	1		23.83			1.5	24.20			19.81			0	20.75
80 MHz	DFS-s OFDM	P2 BPSK	1	1			25.47			0	25.70			19.86			0	20.75
			1	1			25.52			0	25.70			19.78			0	20.75
		QPSK	1	109			25.51			0	25.70			19.81			0	20.75
			1	215			25.54			0	25.70			19.98			0	20.75
			108	0			24.57			0.7	25.00			19.84			0	20.75
			108	55			25.47			0	25.70			19.79			0	20.75
			108	109			24.41			0.7	25.00			19.78			0	20.75
			216	0			24.53			0.7	25.00			20.04			0	20.75
			16QAM	1	1		24.58			1	24.70			19.94			0	20.75
			64QAM	1	1		22.80			2.5	23.20			19.90			0	20.75
			256QAM	1	1		21.02			4.5	21.20			19.84			0	20.75
		CP-OFDM	QPSK	1	1		23.97			1.5	24.20			19.95			0	20.75
60 MHz	DFS-s OFDM	P2 BPSK	1	1			25.59			0	25.70			19.96			0	20.75
			1	1			25.37			0	25.70			19.89			0	20.75
		QPSK	1	81			25.46			0	25.70			19.77			0	20.75
			1	160			25.53			0	25.70			19.79			0	20.75
			81	0			24.58			0.7	25.00			19.84			0	20.75
			81	40			25.57			0	25.70			19.89			0	20.75
			81	81			24.39			0.7	25.00			20.04			0	20.75
			162	0			24.39			0.7	25.00			19.76			0	20.75
			16QAM	1	1		24.55			1	24.70			19.98			0	20.75
			64QAM	1	1		23.04			2.5	23.20			19.76			0	20.75
			256QAM	1	1		20.97			4.5	21.20			19.80			0	20.75
		CP-OFDM	QPSK	1	1		23.98			1.5	24.20			19.98			0	20.75

NR Band 77 Measured Results (ANT9) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648334 3725.01 MHz	652166 3725.01 MHz	656000 3840 MHz	659834 3897.51 MHz	663666 3954.99 MHz	MFR	Tune-up Limit	648334 3725.01 MHz	652166 3725.01 MHz	656000 3840 MHz	659834 3897.51 MHz	663666 3954.99 MHz	MFR	Tune-up Limit
50 MHz	DFS-s OFDM	P2 BPSK	1	1	25.50	25.36	25.30	25.60	25.42	0	25.70	19.82	19.84	19.96	19.84	19.82	0	20.75
			1	1	25.55	25.42	25.50	25.38	25.33	0	25.70	19.91	19.99	19.86	19.88	19.84	0	20.75
		QPSK	1	67	25.32	25.55	25.54	25.45	25.48	0	25.70	19.94	19.91	19.94	20.04	19.96	0	20.75
			1	131	25.59	25.60	25.37	25.35	25.40	0	25.70	19.80	20.01	19.96	19.84	19.86	0	20.75
			64	0	24.55	24.36	24.55	24.44	24.60	0.7	25.00	19.98	19.86	19.84	19.90	20.05	0	20.75
			64	35	25.39	25.38	25.49	25.46	25.44	0	25.70	20.03	19.77	19.98	19.87	19.98	0	20.75
			64	69	24.41	24.43	24.58	24.35	24.46	0.7	25.00	19.79	20.05	19.87	19.95	19.87	0	20.75
			128	0	24.59	24.46	24.40	24.58	24.57	0.7	25.00	19.86	19.84	20.01	19.87	19.79	0	20.75
			16QAM	1	1	24.48	24.58	24.42	24.55	1	24.70	19.87	19.90	19.99	19.95	19.83	0	20.75
			64QAM	1	1	22.81	23.01	23.05	22.97	2.5	23.20	19.96	20.05	19.94	19.79	19.82	0	20.75
			256QAM	1	1	20.85	20.92	20.88	20.89	4.5	21.20	19.95	20.05	19.89	20.02	20.02	0	20.75
		CP-OFDM	QPSK	1	1	24.08	24.02	24.08	23.87	1.5	24.20	19.80	19.82	19.80	19.82	19.89	0	20.75
40 MHz	DFS-s OFDM	P2 BPSK	1	1	25.44	25.54	25.30	25.33	25.44	0	25.70	19.85	19.94	19.82	19.90	19.89	0	20.75
			1	1	25.59	25.33	25.37	25.46	25.45	0	25.70	19.75	19.93	20.04	19.93	20.02	0	20.75
		QPSK	1	53	25.59	25.60	25.38	25.37	25.59	0	25.70	19.75	20.01	19.84	19.85	20.00	0	20.75
			1	104	25.34	25.57	25.36	25.40	25.55	0	25.70	20.00	19.77	19.97	19.84	19.76	0	20.75
			50	0	24.58	24.46	24.39	24.39	24.44	0.7	25.00	19.91	19.88	20.00	19.77	19.79	0	20.75
			50	28	25.39	25.45	25.30	25.38	25.52	0	25.70	19.99	19.81	19.92	19.88	19.99	0	20.75
			50	56	24.60	24.52	24.38	24.41	24.36	0.7	25.00	19.76	19.79	19.93	19.84	19.90	0	20.75
			100	0	24.41	24.38	24.37	24.53	24.59	0.7	25.00	19.76	19.84	19.85	19.86	19.92	0	20.75
			16QAM	1	1	24.60	24.53	24.42	24.53	1	24.70	19.80	19.89	19.96	19.92	19.90	0	20.75
			64QAM	1	1	22.88	23.08	22.87	22.86	2.5	23.20	20.02	19.76	19.76	20.02	19.82	0	20.75
			256QAM	1	1	21.07	20.85	21.00	20.89	4.5	21.20	19.90	20.04	19.96	19.79	19.93	0	20.75
		CP-OFDM	QPSK	1	1	24.07	23.96	24.00	23.83	1.5	24.20	19.99	19.99	19.95	19.81	19.76	0	20.75
20 MHz	DFS-s OFDM	P2 BPSK	1	1	25.47	25.41	25.44	25.44	25.42	0	25.70	19.87	19.83	19.92	19.95	19.83	0	20.75
			1	1	25.52	25.46	25.36	25.48	25.41	0	25.70	19.97	19.80	19.82	20.02	19.83	0	20.75
		QPSK	1	26	25.44	25.41	25.55	25.36	25.48	0	25.70	19.96	19.81	19.78	19.76	20.00	0	20.75
			1	49	25.53	25.43	25.56	25.59	25.58	0	25.70	19.89	19.87	19.88	19.95	20.04	0	20.75
			25	0	24.36	24.52	24.59	24.31	24.47	0.7	25.00	20.04	19.99	19.90	19.84	19.79	0	20.75
			25	13	25.40	25.53	25.46	25.56	25.51	0	25.70	19.91	19.99	19.79	19.95	19.96	0	20.75
			25	26	24.40	24.31	24.39	24.43	24.44	0.7	25.00	19.87	19.77	19.76	19.83	19.75	0	20.75
			50	0	24.59	24.55	24.59	24.58	24.42	0.7	25.00	19.93	19.98	19.99	19.81	20.03	0	20.75
			16QAM	1	1	24.58	24.42	24.50	24.39	1	24.70	20.01	19.87	20.00	19.85	19.84	0	20.75
			64QAM	1	1	22.93	23.00	22.80	23.00	2.5	23.20	19.98	19.97	19.80	19.89	19.82	0	20.75
			256QAM	1	1	21.02	20.94	21.02	20.85	4.5	21.20	19.98	19.87	19.82	19.77	19.97	0	20.75
		CP-OFDM	QPSK	1	1	23.81	24.06	23.87	23.85	1.5	24.20	19.81	19.76	19.82	20.01	19.90	0	20.75

NR Band 77 Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					650000	653000	656000	659000	662000	MFR	Tune-up Limit	650000	653000	656000	659000	662000	MFR	Tune-up Limit
					3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz			3750 MHz	3795 MHz	3840 MHz	3885 MHz	3930 MHz		
100 MHz	DFS-s OFDM	P2 BPSK	1	1			16.24			0.0	16.25			16.49			0.0	17.00
			1	1			16.16			0.0	16.25			16.33			0.0	17.00
			1	137			16.17			0.0	16.25			16.72			0.0	17.00
			1	271			16.11			0.0	16.25			16.29			0.0	17.00
			135	0			16.07			0.0	16.25			16.44			0.0	17.00
			135	69			16.22			0.0	16.25			16.80			0.0	17.00
			135	138			16.19			0.0	16.25			16.32			0.0	17.00
			270	0			16.18			0.0	16.25			16.98			0.0	17.00
		QPSK	1	1			16.24			0.0	16.25			16.49			0.0	17.00
			1	1			16.08			0.0	16.25			16.39			0.0	17.00
			1	1			16.11			0.0	16.25			16.41			0.0	17.00
			1	1			16.20			0.0	16.25			16.35			0.0	17.00
		CP-OFDM	1	1			16.20			0.0	16.25			16.35			0.0	17.00
			1	1			16.20			0.0	16.25			16.35			0.0	17.00
90 MHz	DFS-s OFDM	P2 BPSK	1	1			16.12			0.0	16.25			16.45			0.0	17.00
			1	1			16.22			0.0	16.25			16.31			0.0	17.00
			1	123			16.07			0.0	16.25			16.37			0.0	17.00
			1	243			16.20			0.0	16.25			16.32			0.0	17.00
			120	0			16.21			0.0	16.25			16.32			0.0	17.00
			120	63			16.16			0.0	16.25			16.34			0.0	17.00
			120	125			16.21			0.0	16.25			16.31			0.0	17.00
			243	0			16.05			0.0	16.25			16.46			0.0	17.00
		QPSK	1	1			16.17			0.0	16.25			16.40			0.0	17.00
			1	1			16.07			0.0	16.25			16.34			0.0	17.00
			1	1			16.04			0.0	16.25			16.40			0.0	17.00
			1	1			16.10			0.0	16.25			16.41			0.0	17.00
		CP-OFDM	1	1			16.10			0.0	16.25			16.41			0.0	17.00
			1	1			16.10			0.0	16.25			16.41			0.0	17.00
80 MHz	DFS-s OFDM	P2 BPSK	1	1			16.13			0.0	16.25			16.32			0.0	17.00
			1	1			16.18			0.0	16.25			16.37			0.0	17.00
			1	109			16.13			0.0	16.25			16.39			0.0	17.00
			1	215			16.13			0.0	16.25			16.43			0.0	17.00
			108	0			16.18			0.0	16.25			16.45			0.0	17.00
			108	55			16.06			0.0	16.25			16.33			0.0	17.00
			108	109			16.18			0.0	16.25			16.36			0.0	17.00
			216	0			16.10			0.0	16.25			16.33			0.0	17.00
		QPSK	1	1			16.08			0.0	16.25			16.38			0.0	17.00
			1	1			16.23			0.0	16.25			16.42			0.0	17.00
			1	1			16.11			0.0	16.25			16.37			0.0	17.00
			1	1			16.11			0.0	16.25			16.35			0.0	17.00
		CP-OFDM	1	1			16.11			0.0	16.25			16.35			0.0	17.00
			1	1			16.11			0.0	16.25			16.35			0.0	17.00
60 MHz	DFS-s OFDM	P2 BPSK	1	1			16.05			0.0	16.25			16.38			0.0	17.00
			1	1			16.12			0.0	16.25			16.32			0.0	17.00
			1	81			16.11			0.0	16.25			16.50			0.0	17.00
			1	160			16.19			0.0	16.25			16.30			0.0	17.00
			81	0			16.07			0.0	16.25			16.37			0.0	17.00
			81	40			16.04			0.0	16.25			16.42			0.0	17.00
			81	81			16.17			0.0	16.25			16.45			0.0	17.00
			162	0			16.08			0.0	16.25			16.47			0.0	17.00
		QPSK	1	1			16.18			0.0	16.25			16.37			0.0	17.00
			1	1			16.13			0.0	16.25			16.43			0.0	17.00
			1	1			16.05			0.0	16.25			16.35			0.0	17.00
			1	1			16.20			0.0	16.25			16.34			0.0	17.00
		CP-OFDM	1	1			16.20			0.0	16.25			16.32			0.0	17.00
			1	1			16.20			0.0	16.25			16.32			0.0	17.00

NR Band 77 Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648334	652166	656000	659834	663666	MFR	Tune-up Limit	648334	652166	656000	659834	663666	MFR	Tune-up Limit
					3725.01 MHz	652166 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			3725.01 MHz	652166 MHz	3840 MHz	3897.51 MHz	3954.99 MHz		
50 MHz	DFS-s OFDM	P2 BPSK	1	1	16.09	16.15	16.06	16.05	16.07	0.0	16.25	16.50	16.49	16.41	16.44	16.48	0.0	17.00
			1	1	16.05	16.11	16.13	16.20	16.11	0.0	16.25	16.43	16.39	16.36	16.45	16.32	0.0	17.00
		QPSK	1	67	16.11	16.06	16.08	16.13	16.15	0.0	16.25	16.43	16.43	16.38	16.49	16.46	0.0	17.00
			1	131	16.06	16.21	16.05	16.15	16.15	0.0	16.25	16.36	16.31	16.46	16.32	16.40	0.0	17.00
			64	0	16.17	16.06	16.20	16.17	16.17	0.0	16.25	16.33	16.39	16.38	16.40	16.40	0.0	17.00
			64	35	16.07	16.10	16.07	16.11	16.13	0.0	16.25	16.46	16.48	16.45	16.31	16.43	0.0	17.00
			64	69	16.11	16.16	16.06	16.17	16.11	0.0	16.25	16.31	16.41	16.37	16.31	16.36	0.0	17.00
			128	0	16.16	16.14	16.14	16.15	16.12	0.0	16.25	16.35	16.34	16.31	16.46	16.37	0.0	17.00
			16QAM	1	1	16.14	16.04	16.16	16.10	0.0	16.25	16.50	16.38	16.34	16.43	16.49	0.0	17.00
			64QAM	1	1	16.10	16.10	16.20	16.16	0.0	16.25	16.38	16.45	16.49	16.37	16.30	0.0	17.00
			256QAM	1	1	16.07	16.11	16.11	16.13	0.0	16.25	16.33	16.36	16.47	16.36	16.33	0.0	17.00
		CP-OFDM	QPSK	1	1	16.20	16.15	16.18	16.05	0.0	16.25	16.37	16.41	16.47	16.46	16.31	0.0	17.00
40 MHz	DFS-s OFDM	P2 BPSK	1	1	16.12	16.19	16.05	16.19	16.05	0.0	16.25	16.39	16.46	16.34	16.46	16.41	0.0	17.00
			1	1	16.16	16.09	16.11	16.21	16.12	0.0	16.25	16.44	16.41	16.44	16.32	16.43	0.0	17.00
		QPSK	1	53	16.12	16.14	16.09	16.18	16.18	0.0	16.25	16.48	16.44	16.45	16.34	16.47	0.0	17.00
			1	104	16.05	16.24	16.14	16.14	16.23	0.0	16.25	16.41	16.35	16.40	16.33	16.36	0.0	17.00
			50	0	16.05	16.19	16.24	16.14	16.19	0.0	16.25	16.40	16.46	16.40	16.40	16.42	0.0	17.00
			50	28	16.22	16.06	16.05	16.21	16.06	0.0	16.25	16.37	16.33	16.39	16.31	16.32	0.0	17.00
			50	56	16.05	16.05	16.16	16.13	16.13	0.0	16.25	16.45	16.43	16.48	16.30	16.36	0.0	17.00
			100	0	16.13	16.17	16.09	16.18	16.08	0.0	16.25	16.42	16.33	16.35	16.46	16.49	0.0	17.00
			16QAM	1	1	16.21	16.08	16.19	16.05	0.0	16.25	16.36	16.35	16.44	16.37	16.44	0.0	17.00
			64QAM	1	1	16.08	16.23	16.10	16.13	0.0	16.25	16.46	16.41	16.36	16.45	16.34	0.0	17.00
			256QAM	1	1	16.06	16.17	16.24	16.17	0.0	16.25	16.36	16.40	16.49	16.41	16.42	0.0	17.00
		CP-OFDM	QPSK	1	1	16.11	16.21	16.15	16.17	0.0	16.25	16.40	16.49	16.32	16.35	16.33	0.0	17.00
20 MHz	DFS-s OFDM	P2 BPSK	1	1	16.16	16.10	16.10	16.11	16.19	0.0	16.25	16.43	16.45	16.31	16.38	16.35	0.0	17.00
			1	1	16.22	16.15	16.11	16.13	16.19	0.0	16.25	16.41	16.49	16.35	16.46	16.44	0.0	17.00
		QPSK	1	26	16.20	16.14	16.24	16.09	16.18	0.0	16.25	16.48	16.39	16.46	16.48	16.48	0.0	17.00
			1	49	16.20	16.05	16.17	16.24	16.14	0.0	16.25	16.42	16.46	16.45	16.35	16.37	0.0	17.00
			25	0	16.15	16.21	16.10	16.20	16.10	0.0	16.25	16.44	16.46	16.43	16.45	16.50	0.0	17.00
			25	13	16.17	16.18	16.06	16.13	16.22	0.0	16.25	16.37	16.48	16.32	16.44	16.43	0.0	17.00
			25	26	16.18	16.13	16.06	16.20	16.17	0.0	16.25	16.46	16.36	16.34	16.46	16.44	0.0	17.00
			50	0	16.08	16.08	16.12	16.08	16.05	0.0	16.25	16.33	16.42	16.48	16.47	16.34	0.0	17.00
			16QAM	1	1	16.19	16.06	16.06	16.20	0.0	16.25	16.33	16.34	16.36	16.49	16.32	0.0	17.00
			64QAM	1	1	16.10	16.17	16.08	16.18	0.0	16.25	16.37	16.41	16.48	16.33	16.32	0.0	17.00
			256QAM	1	1	16.19	16.06	16.12	16.20	0.0	16.25	16.48	16.33	16.31	16.38	16.35	0.0	17.00
		CP-OFDM	QPSK	1	1	16.13	16.08	16.23	16.05	0.0	16.25	16.44	16.32	16.47	16.40	16.43	0.0	17.00

9.8. Wi-Fi 2.4GHz (DTS Band)

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

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

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

Maximum Power

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

Channel	Frequency (MHz)	ANT3												
		b (SISO)	g (SISO)	11n/11ac HT20 (SISO)	11ax HE20 SU (SISO)	11ax HE20 RU106 (SISO)	11ax HE20 RU52 (SISO)	11ax HE20 RU26 (SISO)	11n/11ac HT20 (MIMO)	11ax HE20 SU (MIMO)	11ax HE20 RU106 (MIMO)	11ax HE20 RU52 (MIMO)	11ax HE20 RU26 (MIMO)	
1	2412	22.00	17.50	17.50	16.00	16.00	16.00	16.00	16.50	15.00	15.00	15.00	15.00	
2	2417	22.00	19.50	19.50	18.00	18.00	18.00	18.00	18.50	17.00	17.00	17.00	17.00	
3	2422	22.00	21.50	21.50	21.50	21.50	21.50	21.50	20.00	19.00	19.00	19.00	19.00	
4	2427	22.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	20.00	
5	2432	22.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	20.00	
6	2437	22.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	20.00	
7	2442	22.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	20.00	
8	2447	22.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	20.00	
9	2452	22.00	21.00	21.00	21.50	21.50	21.50	21.50	19.50	18.50	18.50	18.50	18.50	
10	2457	22.00	19.50	19.50	18.00	18.00	18.00	18.00	18.50	17.00	17.00	17.00	17.00	
11	2462	22.00	17.50	17.50	16.00	16.00	16.00	16.00	16.50	15.00	15.00	15.00	15.00	
12	2467	22.00	15.50	15.50	14.00	14.00	14.00	14.00	14.00	13.00	13.00	13.00	13.00	
13	2472	21.00	15.50	15.50	10.00	6.00	3.00	1.00	14.00	8.50	4.00	1.00	0.00	
Channel	Frequency (MHz)	ANT4												
		b (SISO)	g (SISO)	11n/11ac HT20 (SISO)	11ax HE20 SU (SISO)	11ax HE20 RU106 (SISO)	11ax HE20 RU52 (SISO)	11ax HE20 RU26 (SISO)	11n/11ac HT20 (MIMO)	11ax HE20 SU (MIMO)	11ax HE20 RU106 (MIMO)	11ax HE20 RU52 (MIMO)	11ax HE20 RU26 (MIMO)	
1	2412	21.00	17.50	17.50	16.00	16.00	16.00	16.00	16.50	15.00	15.00	15.00	15.00	
2	2417	21.00	19.50	19.50	18.00	18.00	18.00	18.00	18.50	17.00	17.00	17.00	17.00	
3	2422	21.00	21.00	21.00	21.00	21.00	21.00	21.00	20.00	19.00	19.00	19.00	19.00	
4	2427	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	20.00	
5	2432	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	20.00	
6	2437	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	20.00	
7	2442	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	20.00	
8	2447	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	20.00	
9	2452	21.00	21.00	21.00	21.00	21.00	21.00	21.00	19.50	18.50	18.50	18.50	18.50	
10	2457	21.00	19.50	19.50	18.00	18.00	18.00	18.00	18.50	17.00	17.00	17.00	17.00	
11	2462	21.00	17.50	17.50	16.00	16.00	16.00	16.00	16.50	15.00	15.00	15.00	15.00	
12	2467	21.00	15.50	15.50	14.00	14.00	14.00	14.00	14.00	13.00	13.00	13.00	13.00	
13	2472	21.00	15.50	15.50	10.00	6.00	3.00	1.00	14.00	8.50	4.00	1.00	0.00	

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

For 2.4 GHz band, there are two use cases:

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

Mode	Channel	Frequency (MHz)	$P_{\text{cell OFF}}$				$P_{\text{cell ON}}$			
			ANT3		ANT4		ANT3		ANT4	
			Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
802.11b DSSS (SISO)	1	2412	22.00	20.25	19.50	21.00	19.00	17.25	14.75	17.75
	2	2417	22.00	20.25	19.50	21.00	19.00	17.25	14.75	17.75
	3	2422	22.00	20.25	19.50	21.00	19.00	17.25	14.75	17.75
	4	2427	22.50	20.25	19.50	21.00	19.00	17.25	14.75	17.75
	5	2432	22.50	20.25	19.50	21.00	19.00	17.25	14.75	17.75
	6	2437	22.50	20.25	19.50	21.00	19.00	17.25	14.75	17.75
	7	2442	22.50	20.25	19.50	21.00	19.00	17.25	14.75	17.75
	8	2447	22.50	20.25	19.50	21.00	19.00	17.25	14.75	17.75
	9	2452	22.00	20.25	19.50	21.00	19.00	17.25	14.75	17.75
	10	2457	22.00	20.25	19.50	21.00	19.00	17.25	14.75	17.75
	11	2462	22.00	20.25	19.50	21.00	19.00	17.25	14.75	17.75
	12	2467	22.00	20.25	19.50	21.00	19.00	17.25	14.75	17.75
	13	2472	21.00	20.25	19.50	21.00	19.00	17.25	14.75	17.75

Wi-Fi 2.4GHz Measured Results

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

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

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

Power Mode	Antenna	Mode	Power Mode A					Power Mode B				
			Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)
Pcell OFF	ANT3	DSSS 802.11b	4	2427	22.50	22.50	Yes	1	2412	20.25	20.25	Yes
			6	2437	22.50	22.50		6	2437	20.25	20.25	
			8	2447	22.50	22.50		11	2462	20.25	20.25	
	ANT4	DSSS 802.11b	1	2412	19.50	19.50	Yes	1	2412	21.00	21.00	Yes
			6	2437	19.50	19.50		6	2437	21.00	21.00	
			11	2462	19.50	19.50		11	2462	21.00	21.00	
Power Mode	Antenna	Mode	Power Mode A					Power Mode B				
			Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)
Pcell ON	ANT3	DSSS 802.11b	1	2412	19.00	19.00	Yes	1	2412	17.25	17.25	Yes
			6	2437	19.00	19.00		6	2437	17.25	17.25	
			11	2462	19.00	19.00		11	2462	17.25	17.25	
	ANT4	DSSS 802.11b	1	2412	14.75	14.75	Yes	1	2412	17.75	17.75	Yes
			6	2437	14.75	14.75		6	2437	17.75	17.75	
			11	2462	14.75	14.75		11	2462	17.75	17.75	

Note(s):

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

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

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

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

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

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

Maximum Power

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

ANT5														
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-1	20 MHz	36	5180	19.00	19.00	18.00	18.00	15.00	12.00	18.00	17.00	15.00	12.00	9.00
		40	5200	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		44	5220	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		48	5240	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
	40 MHz	38	5190		16.50	16.00	16.00	15.00	12.00	16.00	15.50	15.00	12.00	9.00
		46	5230		21.00	21.00	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
	80 MHz	42	5210		16.00	16.00	16.00	15.00	12.00	15.50	15.00	15.00	12.00	9.00
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-2A	20 MHz	52	5260	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		56	5280	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		60	5300	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		64	5320	19.00	19.00	18.00	18.00	15.00	12.00	18.00	17.00	15.00	12.00	9.00
	40 MHz	54	5270		21.00	21.00	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
		62	5310		17.50	16.00	16.00	15.00	12.00	16.50	15.50	15.00	12.00	9.00
	80 MHz	58	5290		16.50	16.00	16.00	15.00	12.00	16.00	15.00	15.00	12.00	9.00
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-2C	20 MHz	100	5500	19.00	19.00	18.00	18.00	15.00	12.00	18.00	17.00	15.00	12.00	9.00
		104	5520	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		108	5540	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		112	5560	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		116	5580	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		120	5600	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		124	5620	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		128	5640	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		132	5660	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		136	5680	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
	40 MHz	140	5700	17.00	17.00	16.50	18.00	15.00	12.00	16.50	16.00	15.00	12.00	9.00
		144	5720	21.00	21.00	21.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		102	5510		16.00	16.00	16.00	15.00	12.00	15.50	15.50	15.00	12.00	9.00
		110	5550		21.00	21.00	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
		118	5590		21.00	21.00	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
		126	5630		21.00	21.00	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
	80 MHz	134	5670		19.00	19.00	18.00	15.00	12.00	18.50	18.50	15.00	12.00	9.00
		142	5710		21.00	21.00	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
		106	5530		16.50	14.00	15.00	15.00	12.00	15.50	13.00	14.00	12.00	9.00
		122	5610		20.50	20.50	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
		138	5690		20.50	20.50	18.00	15.00	12.00	20.00	20.00	15.00	12.00	9.00
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-3	20 MHz	149	5745	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
		153	5765	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
		157	5785	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
		161	5805	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
		165	5825	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
	40 MHz	151	5755		21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
		159	5795		21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
	80 MHz	155	5775		20.50	20.50	20.50	20.50	20.50	20.50	20.00	20.00	20.00	20.00

ANT6														
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-1	20 MHz	36	5180	19.00	19.00	18.00	18.00	15.00	12.00	18.00	17.00	15.00	12.00	9.00
		40	5200	19.75	19.75	19.75	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		44	5220	19.75	19.75	19.75	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		48	5240	19.75	19.75	19.75	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
	40 MHz	38	5190		16.50	16.00	16.00	15.00	12.00	16.00	15.50	15.00	12.00	9.00
		46	5230		19.75	19.75	18.00	15.00	12.00	19.75	19.75	15.00	12.00	9.00
	80 MHz	42	5210		16.00	16.00	16.00	15.00	12.00	15.50	15.00	15.00	12.00	9.00
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-2A	20 MHz	52	5260	19.00	19.00	19.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		56	5280	19.00	19.00	19.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		60	5300	19.00	19.00	19.00	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		64	5320	19.00	19.00	18.00	18.00	15.00	12.00	18.00	17.00	15.00	12.00	9.00
	40 MHz	54	5270		19.00	19.00	18.00	15.00	12.00	19.00	19.00	15.00	12.00	9.00
		62	5310		17.50	16.00	16.00	15.00	12.00	16.50	15.50	15.00	12.00	9.00
	80 MHz	58	5290		16.50	16.00	16.00	15.00	12.00	16.00	15.00	15.00	12.00	9.00
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-2C	20 MHz	100	5500	18.50	18.50	18.00	18.00	15.00	12.00	18.00	17.00	15.00	12.00	9.00
		104	5520	18.50	18.50	18.50	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		108	5540	18.50	18.50	18.50	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		112	5560	18.50	18.50	18.50	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		116	5580	18.50	18.50	18.50	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		120	5600	18.50	18.50	18.50	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		124	5620	18.50	18.50	18.50	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		128	5640	18.50	18.50	18.50	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		132	5660	18.50	18.50	18.50	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		136	5680	18.50	18.50	18.50	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
	40 MHz	140	5700	17.00	17.00	16.50	18.00	15.00	12.00	16.50	16.00	15.00	12.00	9.00
		144	5720	18.50	18.50	18.50	18.00	15.00	12.00	18.00	18.00	15.00	12.00	9.00
		102	5510		16.00	16.00	16.00	15.00	12.00	15.50	15.50	15.00	12.00	9.00
		110	5550		18.50	18.50	18.00	15.00	12.00	18.50	18.50	15.00	12.00	9.00
		118	5590		18.50	18.50	18.00	15.00	12.00	18.50	18.50	15.00	12.00	9.00
		126	5630		18.50	18.50	18.00	15.00	12.00	18.50	18.50	15.00	12.00	9.00
	80 MHz	134	5670		18.50	18.50	18.00	15.00	12.00	18.50	18.50	15.00	12.00	9.00
		142	5710		18.50	18.50	18.00	15.00	12.00	18.50	18.50	15.00	12.00	9.00
		106	5530		16.50	14.00	15.00	15.00	12.00	15.50	13.00	14.00	12.00	9.00
		122	5610		18.50	18.50	18.00	15.00	12.00	18.50	18.50	15.00	12.00	9.00
		138	5690		18.50	18.50	18.00	15.00	12.00	18.50	18.50	15.00	12.00	9.00
Band	Bandwidth	Channel	Frequency (MHz)	a (SISO)	11n/11ac HT (SISO)	11ax HE SU (SISO)	11ax HE RU106 (SISO)	11ax HE RU52 (SISO)	11ax HE RU26 (SISO)	11n/11ac HT (MIMO)	11ax HE SU (MIMO)	11ax HE RU106 (MIMO)	11ax HE RU52 (MIMO)	11ax HE RU26 (MIMO)
U-NII-3	20 MHz	149	5745	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
		153	5765	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
		157	5785	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
		161	5805	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
		165	5825	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	40 MHz	151	5755		18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
		159	5795		18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	80 MHz	155	5775		18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00

Wi-Fi 5 GHz (P_{cell} OFF and P_{cell} ON)

For 5GHz band, there are two use cases:

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

Mode	Bandwidth	Channel	Frequency	Pcell OFF				Pcell ON			
				ANT5		ANT6		ANT5		ANT6	
				Mode A	Mode B	Mode A	Mode B	Mode A	15.5	Mode A	Mode B
U-NII-1 5.2 GHz (SISO)	802.11a/n/a c 20 MHz	36	5180	19.00	17.75	19.00	19.00	19.00	14.00	13.00	15.75
		40	5200	21.00	17.75	19.50	19.75	21.00	14.00	13.00	15.75
		44	5220	21.00	17.75	19.50	19.75	21.00	14.00	13.00	15.75
		48	5240	21.00	17.75	19.50	19.75	21.00	14.00	13.00	15.75
	802.11n/ac 40 MHz	38	5190	16.50	16.50	16.50	16.50	16.50	14.00	13.00	15.75
		46	5230	21.00	17.75	19.50	19.75	21.00	14.00	13.00	15.75
	802.11ac 80 MHz	42	5210	16.00	16.00	16.00	16.00	16.00	14.00	13.00	15.75
U-NII-2A 5.3 GHz (SISO)	802.11a/n/a c 20 MHz	52	5260	21.00	17.50	19.00	18.75	21.00	13.50	12.75	14.75
		56	5280	21.00	17.50	19.00	18.75	21.00	13.50	12.75	14.75
		60	5300	21.00	17.50	19.00	18.75	21.00	13.50	12.75	14.75
		64	5320	19.00	17.50	19.00	18.75	19.00	13.50	12.75	14.75
	802.11n/ac 40 MHz	54	5270	21.00	17.50	19.00	18.75	21.00	13.50	12.75	14.75
		62	5310	17.50	17.50	17.50	17.50	17.50	13.50	12.75	14.75
	802.11ac 80 MHz	58	5290	16.50	16.50	16.50	16.50	16.50	13.50	12.75	14.75
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-2C 5.5 GHz (SISO)	802.11a/n/a c 20 MHz	100	5500	19.00	18.00	18.50	18.00	19.00	14.00	12.50	14.00
		104	5520	21.00	18.00	18.50	18.00	21.00	14.00	12.50	14.00
		108	5540	21.00	18.00	18.50	18.00	21.00	14.00	12.50	14.00
		112	5560	21.00	18.00	18.50	18.00	21.00	14.00	12.50	14.00
		116	5580	21.00	18.00	18.50	18.00	21.00	14.00	12.50	14.00
		120	5600	21.00	18.00	18.50	18.00	21.00	14.00	12.50	14.00
		124	5620	21.00	18.00	18.50	18.00	21.00	14.00	12.50	14.00
		128	5640	21.00	18.00	18.50	18.00	21.00	14.00	12.50	14.00
		132	5660	21.00	18.00	18.50	18.00	21.00	14.00	12.50	14.00
		136	5680	21.00	18.00	18.50	18.00	21.00	14.00	12.50	14.00
	802.11n/ac 40 MHz	140	5700	17.00	17.00	17.00	17.00	17.00	14.00	12.50	14.00
		144	5720	21.00	18.00	18.50	18.00	21.00	14.00	12.50	14.00
		102	5510	16.00	16.00	16.00	16.00	16.00	14.00	12.50	14.00
		110	5550	21.00	18.00	18.50	18.00	21.00	14.00	12.50	14.00
		118	5590	21.00	18.00	18.50	18.00	21.00	14.00	12.50	14.00
	802.11ac 80 MHz	126	5630	21.00	18.00	18.50	18.00	21.00	14.00	12.50	14.00
		134	5670	19.00	18.00	18.50	18.00	19.00	14.00	12.50	14.00
		142	5710	21.00	18.00	18.50	18.00	21.00	14.00	12.50	14.00
	106	5530	16.50	16.50	16.50	16.50	16.50	14.00	12.50	14.00	
	122	5610	20.50	18.00	18.50	18.00	20.50	14.00	12.50	14.00	
	138	5690	20.50	18.00	18.50	18.00	20.50	14.00	12.50	14.00	
Mode	Bandwidth	Channel	Frequency	Pcell OFF				Pcell ON			
				ANT5		ANT6		ANT5		ANT6	
				Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
U-NII-3 5.8 GHz (SISO)	802.11a/n/a c 20 MHz	149	5745	21.50	17.00	18.00	18.00	21.50	13.25	12.00	14.25
		153	5765	21.50	17.00	18.00	18.00	21.50	13.25	12.00	14.25
		157	5785	21.50	17.00	18.00	18.00	21.50	13.25	12.00	14.25
		161	5805	21.50	17.00	18.00	18.00	21.50	13.25	12.00	14.25
	802.11n/ac 40 MHz	165	5825	21.50	17.00	18.00	18.00	21.50	13.25	12.00	14.25
		151	5755	21.00	17.00	18.00	18.00	21.00	13.25	12.00	14.25
	159	5795	21.00	17.00	18.00	18.00	21.00	13.25	12.00	14.25	
	802.11ac 80 MHz	155	5775	20.50	17.00	18.00	18.00	20.50	13.25	12.00	14.25

Wi-Fi 5 GHz Measured Results

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

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

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

Power Mode	Antenna	Power Mode A							Power Mode B						
		Band	Mode	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)	Band	Mode	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)
Pcell OFF	ANT5	U-NII-2A	802.11n HT40	54	5270	21.00	21.00	Yes	U-NII-1	802.11n HT40	38	5190	16.50	16.50	Yes
				62	5310	17.50	17.50				46	5230	17.75	17.75	
		U-NII-2C	802.11n HT40	110	5550	21.00	21.00	Yes	U-NII-2C	802.11ac VHT80	106	5530	16.50	16.50	Yes
				126	5630	21.00	21.00				122	5610	18.00	18.00	
				142	5710	21.00	21.00				138	5690	18.00	18.00	
		U-NII-3	802.11a	149	5745	21.50	21.50	Yes	U-NII-3	802.11ac VHT80	155	5775	17.00	17.00	Yes
				157	5785	21.50	21.50								
				165	5824	21.50	21.50								
	ANT6	U-NII-1	802.11n HT40	38	5190	16.50	16.50	Yes	U-NII-1	802.11n HT40	38	5190	16.50	16.50	Yes
				46	5230	19.50	19.50				46	5230	19.75	19.75	
		U-NII-2C	802.11ac VHT80	106	5530	16.50	16.50	Yes	U-NII-2C	802.11ac VHT80	106	5530	16.50	16.50	Yes
				122	5610	18.50	18.50				122	5610	18.00	18.00	
				138	5690	18.50	18.50				138	5690	18.00	18.00	
		U-NII-3	802.11ac VHT80	155	5775	18.00	18.00	Yes	U-NII-3	802.11ac VHT80	155	5775	18.00	18.00	Yes
Pcell ON	ANT5	U-NII-2A	802.11n HT40	54	5270	21.00	21.00	Yes	U-NII-1	802.11ac VHT80	42	5120	14.00	14.00	Yes
				62	5310	17.50	17.50								
		U-NII-2C	802.11n HT40	110	5550	21.00	21.00	Yes	U-NII-2C	802.11ac VHT80	106	5530	14.00	14.00	Yes
				126	5630	21.00	21.00				122	5610	14.00	14.00	
				142	5710	21.00	21.00				138	5690	14.00	14.00	
		U-NII-3	802.11a	149	5745	21.50	21.50	Yes	U-NII-3	802.11ac VHT80	155	5775	13.25	13.25	Yes
				157	5785	21.50	21.50								
				165	5824	21.50	21.50								
	ANT6	U-NII-1	802.11ac VHT80	42	5210	13.00	13.00	Yes	U-NII-1	802.11ac VHT80	42	5210	15.75	15.75	Yes
		U-NII-2C	802.11ac VHT80	106	5530	12.50	12.50	Yes	U-NII-2C	802.11ac VHT80	106	5530	14.00	14.00	Yes
				122	5610	12.50	12.50				122	5610	14.00	14.00	
				138	5690	12.50	12.50				138	5690	14.00	14.00	
		U-NII-3	802.11ac VHT80	155	5775	12.00	12.00	Yes	U-NII-3	802.11ac VHT80	155	5775	14.25	14.25	Yes

9.10. Bluetooth

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

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

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

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

For Bluetooth, there are three use cases:

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

Mode	Maximum Output Power (Tune-up Limit) (dBm)											
	Bluetooth P_{low}				Bluetooth P_{high}				Bluetooth $P_{\text{standalone}}$			
	ANT3		ANT4		ANT3		ANT4		ANT3		ANT4	
	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
GFSK	12.0	9.5	9.0	9.5	17.0	14.0	14.0	15.0	20.0	20.0	19.5	20.0
EDR	12.0	9.5	9.0	9.5	16.0	14.0	14.0	15.0	16.0	16.0	16.0	16.0
LE	12.0	9.5	9.0	9.5	17.0	14.0	14.0	15.0	20.0	20.0	19.5	20.0
HDR	12.0	9.5	9.0	9.5	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

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

Bluetooth Measured Results

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

Power Mode	Antenna	Mode	Ch #	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
					Meas Pwr	Tune-up	SAR Test (Yes/No)	Meas Pwr	Tune-up	SAR Test (Yes/No)
Bluetooth P_{low}	ANT 3	GFSK	0	2402	12.00	12.00	Yes	9.50	9.50	Yes
			39	2441	12.00	12.00		9.50	9.50	
			78	2480	12.00	12.00		9.50	9.50	
	ANT 4	GFSK	0	2402	9.00	9.00	Yes	9.50	9.50	Yes
			39	2441	9.00	9.00		9.50	9.50	
			78	2480	9.00	9.00		9.50	9.50	
Bluetooth P_{high}	ANT 3	GFSK	0	2402	17.00	17.00	Yes	14.00	14.00	Yes
			39	2441	17.00	17.00		14.00	14.00	
			78	2480	17.00	17.00		14.00	14.00	
	ANT 4	GFSK	0	2402	14.00	14.00	Yes	15.00	15.00	Yes
			39	2441	14.00	14.00		15.00	15.00	
			78	2480	14.00	14.00		15.00	15.00	
Bluetooth $P_{\text{standalone}}$	ANT 3	GFSK	0	2402	20.00	20.00	Yes	20.00	20.00	Yes
			39	2441	20.00	20.00		20.00	20.00	
			78	2480	20.00	20.00		20.00	20.00	
	ANT 4	GFSK	0	2402	19.50	19.50	Yes	20.00	20.00	Yes
			39	2441	19.50	19.50		20.00	20.00	
			78	2480	19.50	19.50		20.00	20.00	

Duty Factor Measured Results

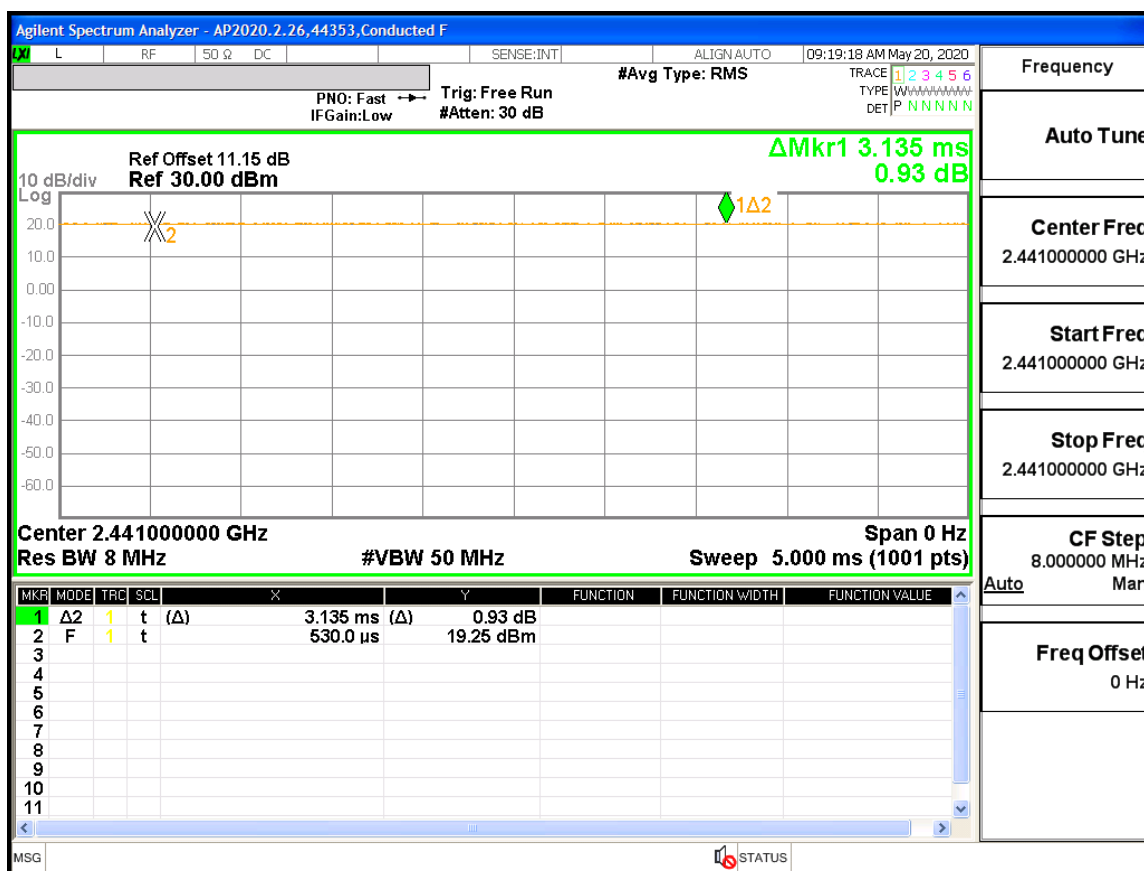
Mode	Type	T on (ms)	Period (ms)	Duty Cycle	Crest Factor (1/duty cycle)
GFSK	DH5	1	1	100.00%	1.00

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 941225 D01 SAR test for 3G devices:

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

KDB 941225 D05 SAR for LTE Devices:

SAR test reduction is applied using the following criteria:

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

KDB 248227 D01 SAR meas for 802.11:

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

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

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

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

10.1. GSM850

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	GPRS 2 Slots	Mode A	0	Left Touch	190	836.6	32.50	32.45	0.272	0.275	0.230	0.232	1
					Left Tilt	190	836.6	32.50	32.45	0.200	0.202	0.173	0.175	
					Right Touch	190	836.6	32.50	32.45	0.320	0.323	0.262	0.265	
					Right Tilt	190	836.6	32.50	32.45	0.181	0.183	0.150	0.152	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	190	836.6	31.50	31.45	0.722	0.731	0.453	0.458	2
					Front	190	836.6	31.50	31.45	0.359	0.363	0.258	0.261	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 2	190	836.6	31.50	31.45	0.720	0.729	0.511	0.517	
					Edge 3	190	836.6	31.50	31.45	0.459	0.464	0.256	0.259	
					Edge 4	190	836.6	31.50	31.45	0.311	0.315	0.234	0.237	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	GPRS 2 Slots	Mode A	0	Left Touch	190	836.6	31.00	31.00	0.533	0.533	0.421	0.421	3
					Left Tilt	190	836.6	31.00	31.00	0.483	0.483	0.324	0.324	
					Right Touch	190	836.6	31.00	31.00	0.741	0.741	0.524	0.524	
					Right Tilt	190	836.6	31.00	31.00	0.604	0.604	0.377	0.377	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	190	836.6	31.00	31.00	0.427	0.427	0.297	0.297	4
					Front	190	836.6	31.00	31.00	0.319	0.319	0.243	0.243	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	190	836.6	31.00	31.00	0.218	0.218	0.141	0.141	
					Edge 2	190	836.6	31.00	31.00	0.211	0.211	0.165	0.165	
					Edge 4	190	836.6	31.00	31.00	0.304	0.304	0.226	0.226	

10.2. GSM1900

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	GPRS 2 Slots	Mode A	0	Left Touch	661	1880.0	31.00	30.82	0.159	0.166	0.103	0.107	5
					Left Tilt	661	1880.0	31.00	30.82	0.114	0.119	0.064	0.067	
					Right Touch	661	1880.0	31.00	30.82	0.236	0.246	0.145	0.151	
					Right Tilt	661	1880.0	31.00	30.82	0.071	0.073	0.044	0.046	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	661	1880.0	23.75	23.65	0.558	0.571	0.278	0.285	6
					Front	661	1880.0	23.75	23.65	0.449	0.460	0.213	0.218	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 2	661	1880.0	23.75	23.65	0.148	0.152	0.080	0.082	7
					Edge 3	512	1850.2	23.75	23.30	0.847	0.940	0.383	0.425	
						661	1880.0	23.75	23.65	0.825	0.845	0.376	0.385	
					Edge 4	661	1880.0	23.75	23.06	0.773	0.907	0.349	0.409	
ANT2	Head	GPRS 2 Slots	Mode A	0	Left Touch	661	1880.0	27.75	27.15	0.476	0.547	0.208	0.239	8
					Left Tilt	661	1880.0	27.75	27.15	0.631	0.724	0.286	0.328	
					Right Touch	661	1880.0	27.75	27.15	0.606	0.696	0.310	0.356	
					Right Tilt	512	1850.2	27.75	27.60	0.937	0.970	0.430	0.445	
						661	1880.0	27.75	27.15	0.703	0.807	0.342	0.393	
						810	1909.8	27.75	27.35	0.793	0.870	0.373	0.409	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	512	1850.2	25.50	25.23	0.930	0.990	0.425	0.452	9
						661	1880.0	25.50	25.39	0.892	0.915	0.416	0.427	
						810	1909.8	25.50	24.96	0.856	0.969	0.390	0.442	
	Hotspot	GPRS 2 Slots	Mode B	5	Front	661	1880.0	25.50	25.39	0.385	0.395	0.185	0.190	
					Edge 1	661	1880.0	25.50	25.39	0.678	0.695	0.296	0.304	
					Edge 2	661	1880.0	25.50	25.39	0.006	0.006	0.002	0.002	
ANT3	Head	GPRS 2 Slots	Mode A	0	Edge 4	661	1880.0	25.50	25.39	0.216	0.222	0.117	0.120	
					Left Touch	661	1880.0	30.00	29.14	0.472	0.575	0.288	0.351	
						661	1880.0	30.00	29.14	0.223	0.272	0.129	0.157	
						661	1880.0	30.00	29.14	0.225	0.274	0.144	0.176	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Right Touch	661	1880.0	30.00	29.14	0.165	0.201	0.098	0.119	10
						512	1850.2	27.50	27.39	0.850	0.872	0.474	0.486	
						661	1880.0	27.50	27.42	0.965	0.983	0.525	0.535	
						810	1909.8	27.50	27.40	0.902	0.923	0.502	0.514	
	Hotspot	GPRS 2 Slots	Mode B	5	Front	661	1880.0	27.50	27.42	0.550	0.560	0.316	0.322	11
					Edge 3	661	1880.0	27.50	27.42	0.156	0.159	0.070	0.071	
						512	1850.2	27.50	27.39	0.832	0.853	0.430	0.441	
						661	1880.0	27.50	27.42	0.933	0.950	0.478	0.487	
ANT4	Head	GPRS 2 Slots	Mode A	0	Edge 4	810	1909.8	27.50	27.40	0.897	0.918	0.459	0.470	12
						512	1850.2	26.75	26.68	0.968	0.984	0.501	0.509	
						661	1880.0	26.75	26.70	0.853	0.863	0.443	0.448	
					Left Touch	810	1909.8	26.75	26.70	0.876	0.886	0.462	0.467	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Left Tilt	661	1880.0	28.00	26.70	0.419	0.565	0.201	0.271	13
					Right Touch	661	1880.0	28.00	26.70	0.218	0.294	0.123	0.166	
					Right Tilt	661	1880.0	28.00	26.70	0.128	0.173	0.065	0.088	
					Rear	661	1880.0	28.00	27.94	0.335	0.340	0.167	0.169	
	Hotspot	GPRS 2 Slots	Mode B	5	Front	661	1880.0	28.00	27.94	0.282	0.286	0.139	0.141	14
					Edge 1	661	1880.0	28.00	27.94	0.221	0.224	0.099	0.100	
						512	1850.2	28.00	27.89	0.926	0.950	0.430	0.441	
						661	1880.0	28.00	27.94	0.916	0.929	0.419	0.425	

10.3. W-CDMA Band 2

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.	
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled		
ANT1	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9400	1880.0	25.70	25.08	0.249	0.287	0.163	0.188	15	
					Left Tilt	9400	1880.0	25.70	25.08	0.172	0.199	0.100	0.115		
					Right Touch	9400	1880.0	25.70	25.08	0.589	0.680	0.368	0.425		
					Right Tilt	9400	1880.0	25.70	25.08	0.111	0.128	0.070	0.081		
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9400	1880.0	17.50	17.12	0.516	0.563	0.256	0.279	16	
					Front	9400	1880.0	17.50	17.12	0.426	0.465	0.202	0.220		
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	9400	1880.0	17.50	17.12	0.139	0.152	0.076	0.083	17	
					Edge 3	9262	1852.4	17.50	17.13	0.826	0.899	0.380	0.414		
						9400	1880.0	17.50	17.12	0.830	0.906	0.381	0.416		
					Edge 4	9400	1880.0	17.50	16.99	0.823	0.925	0.379	0.426		
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.	
ANT2	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9400	1880.0	21.50	21.12	0.563	0.614	0.258	0.282	18	
					Left Tilt	9400	1880.0	21.50	21.12	0.665	0.726	0.300	0.327		
					Right Touch	9400	1880.0	21.50	21.12	0.724	0.790	0.380	0.415		
					Right Tilt	9262	1852.4	21.50	20.95	0.846	0.961	0.392	0.445		
						9400	1880.0	21.50	21.12	0.806	0.880	0.377	0.411		
					9538	1907.6	21.50	20.71	0.813	0.975	0.385	0.462			
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9262	1852.4	19.25	18.50	0.720	0.856	0.341	0.405	19	
						9400	1880.0	19.25	18.50	0.746	0.887	0.350	0.416		
						9538	1907.6	19.25	18.40	0.762	0.927	0.356	0.433		
					Front	9400	1880.0	19.25	18.50	0.377	0.448	0.181	0.215		
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	9262	1852.4	19.25	18.50	0.753	0.895	0.323	0.384	20	
						9400	1880.0	19.25	18.50	0.772	0.918	0.326	0.387		
					9538	1907.6	19.25	18.50	0.722	0.858	0.314	0.373			
					Edge 2	9400	1880.0	19.25	18.50	0.005	0.006	0.002	0.002		
Edge 4	9262	1852.4	19.25	18.50	0.219	0.260	0.116	0.138							
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.	
ANT3	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9400	1880.0	24.70	24.16	0.677	0.767	0.414	0.469	20	
					Left Tilt	9400	1880.0	24.70	24.16	0.301	0.341	0.177	0.200		
					Right Touch	9400	1880.0	24.70	24.16	0.269	0.305	0.177	0.200		
					Right Tilt	9400	1880.0	24.70	24.16	0.192	0.217	0.117	0.133		
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9262	1852.4	21.00	20.95	0.865	0.875	0.458	0.463	21	
						9400	1880.0	21.00	20.95	0.922	0.933	0.478	0.484		
						9538	1907.6	21.00	20.94	0.979	0.993	0.503	0.510		
					Front	9400	1880.0	21.00	20.95	0.541	0.547	0.317	0.321		
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 3	9400	1880.0	21.00	20.95	0.139	0.141	0.066	0.067	21	
					Edge 4	9262	1852.4	21.00	20.95	0.725	0.733	0.373	0.377		
9400						1880.0	21.00	20.95	0.812	0.821	0.411	0.416			
9538						1907.6	21.00	20.94	0.861	0.873	0.436	0.442			
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.	
ANT4	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9262	1852.4	20.25	19.80	0.866	0.961	0.435	0.482	22	
						9400	1880.0	20.25	20.00	0.899	0.952	0.445	0.471		
						9538	1907.6	20.25	19.90	0.875	0.948	0.437	0.474		
					Left Tilt	9400	1880.0	20.25	20.00	0.639	0.677	0.296	0.314		
					Right Touch	9400	1880.0	20.25	20.00	0.164	0.174	0.093	0.099		
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Right Tilt	9400	1880.0	20.25	20.00	0.122	0.129	0.062	0.066	23	
						Rear	9400	1880.0	22.50	22.43	0.676	0.687	0.350		0.356
							9400	1880.0	22.50	22.43	0.363	0.369	0.194		0.197
					Front	9400	1880.0	22.50	22.43	0.276	0.280	0.127	0.129		
					Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	9262	1852.4	22.50	22.49		0.838
9400	1880.0	22.50	22.43	0.962						0.977	0.464	0.471			
Edge 2	9538	1907.6	22.50	22.37					0.799	0.824	0.394	0.406			

10.4. W-CDMA Band 4

Antenna	RF Exposure Conditions	Mode	Pow er 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	25.10	0.141	0.162	0.086	0.099	25
					Left Tilt	1413	1732.6	25.70	25.10	0.114	0.131	0.068	0.078	
					Right Touch	1413	1732.6	25.70	25.10	0.326	0.374	0.202	0.232	
					Right Tilt	1413	1732.6	25.70	25.10	0.122	0.140	0.072	0.083	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1413	1732.6	18.50	17.60	0.580	0.714	0.287	0.353	26
					Front	1413	1732.6	18.50	17.60	0.582	0.716	0.267	0.328	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	1413	1732.6	18.50	17.60	0.178	0.219	0.091	0.112	27
					Edge 3	1312	1712.4	18.50	17.70	0.643	0.773	0.289	0.347	
						1413	1732.6	18.50	17.75	0.743	0.883	0.333	0.396	
					1513	1752.6	18.50	17.70	0.819	0.985	0.366	0.440		
Edge 4	1413	1732.6	18.50	17.60	0.045	0.055	0.024	0.030						
Antenna	RF Exposure Conditions	Mode	Pow er 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	20.00	19.70	0.371	0.398	0.173	0.185	28
					Left Tilt	1413	1732.6	20.00	19.70	0.445	0.477	0.200	0.214	
					Right Touch	1413	1732.6	20.00	19.70	0.741	0.794	0.349	0.374	
					Right Tilt	1312	1712.4	20.00	19.56	0.853	0.944	0.383	0.424	
	1413	1732.6	20.00	19.70		0.827	0.886	0.372	0.399					
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1513	1752.6	20.00	19.60	0.805	0.883	0.362	0.397	29
						1312	1712.4	18.25	18.21	0.887	0.894	0.421	0.424	
					Front	1413	1732.6	18.25	18.17	0.792	0.807	0.376	0.383	
						1513	1752.6	18.25	18.18	0.774	0.786	0.366	0.372	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	1413	1732.6	18.25	18.17	0.262	0.267	0.120	0.122	30
						1312	1712.4	18.25	18.21	0.943	0.951	0.403	0.406	
					Edge 2	1413	1732.6	18.25	18.17	0.829	0.845	0.360	0.367	
1513						1752.6	18.25	18.18	0.921	0.935	0.393	0.399		
Edge 4	1413	1732.6	18.25	18.17	0.017	0.017	0.009	0.009						
Antenna	RF Exposure Conditions	Mode	Pow er Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
ANT3	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	1413	1732.6	24.70	23.98	0.502	0.593	0.309	0.365	31
					Left Tilt	1413	1732.6	24.70	23.98	0.134	0.158	0.084	0.099	
					Right Touch	1413	1732.6	24.70	23.98	0.243	0.287	0.158	0.187	
					Right Tilt	1413	1732.6	24.70	23.98	0.119	0.140	0.072	0.085	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1312	1712.4	20.75	20.74	0.954	0.956	0.574	0.575	32
						1413	1732.6	20.75	20.75	0.891	0.891	0.484	0.484	
					Front	1513	1752.6	20.75	20.74	0.984	0.986	0.538	0.539	
						1413	1732.6	20.75	20.75	0.599	0.599	0.361	0.361	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 3	1413	1732.6	20.75	20.75	0.258	0.258	0.118	0.118	33
					Edge 4	1413	1732.6	20.75	20.75	0.678	0.678	0.360	0.360	
Antenna	RF Exposure Conditions	Mode	Pow er Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Pow er (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
ANT4	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	1312	1712.4	20.00	19.95	0.911	0.922	0.459	0.464	33
						1413	1732.6	20.00	19.95	0.946	0.957	0.471	0.476	
					Left Tilt	1513	1752.6	20.00	19.95	0.984	0.995	0.486	0.492	
						1413	1732.6	20.00	19.95	0.514	0.520	0.240	0.243	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	RighttTilt	1413	1732.6	20.00	19.95	0.123	0.124	0.073	0.074	34
					Rear	1413	1732.6	21.25	21.05	0.548	0.573	0.294	0.308	
						Front	1413	1732.6	21.25	21.05	0.355	0.371	0.187	
					Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	1413	1732.6	21.25	21.05	
	Edge 2	1312	1712.4	21.25					21.04	0.674	0.707	0.327	0.343	
		1413	1732.6	21.25					21.05	0.857	0.897	0.417	0.436	
1513	1752.6	21.25	21.12	0.896					0.924	0.435	0.448			

10.5. W-CDMA Band 5

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	4183	836.6	25.70	25.22	0.263	0.294	0.219	0.245	36
					Left Tilt	4183	836.6	25.70	25.22	0.217	0.242	0.181	0.202	
					Right Touch	4183	836.6	25.70	25.22	0.306	0.342	0.253	0.283	
					RightTilt	4183	836.6	25.70	25.22	0.212	0.237	0.176	0.197	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	4183	836.6	25.25	24.96	0.708	0.757	0.444	0.475	37
					Front	4183	836.6	25.25	24.96	0.407	0.435	0.282	0.301	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	4183	836.6	25.25	24.96	0.743	0.794	0.523	0.559	38
					Edge 3	4183	836.6	25.25	24.96	0.470	0.502	0.256	0.274	
					Edge 4	4183	836.6	25.25	24.96	0.318	0.340	0.237	0.253	
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	24.20	0.647	0.693	0.506	0.542	39
					Left Tilt	4183	836.6	24.50	24.20	0.621	0.665	0.396	0.424	
					Right Touch	4132	826.4	24.50	24.20	0.779	0.835	0.555	0.595	
						4183	836.6	24.50	24.20	0.862	0.924	0.598	0.641	
						4233	846.6	24.50	24.16	0.867	0.938	0.612	0.662	
					Right Tilt	4183	836.6	24.50	24.20	0.704	0.754	0.433	0.464	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	4183	836.6	24.50	24.20	0.485	0.520	0.330	0.354	40
					Front	4183	836.6	24.50	24.20	0.328	0.351	0.251	0.269	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	4183	836.6	24.50	24.20	0.210	0.225	0.139	0.149	
					Edge 2	4183	836.6	24.50	24.20	0.277	0.297	0.210	0.225	
					Edge 4	4183	836.6	24.50	24.20	0.374	0.401	0.275	0.295	

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	25.46	0.188	0.199	0.143	0.151	
					Left Tilt	384	836.5	25.70	25.46	0.136	0.144	0.105	0.111	
					Right Touch	384	836.5	25.70	25.46	0.188	0.199	0.119	0.126	
					Right Tilt	384	836.5	25.70	25.46	0.119	0.126	0.092	0.097	
		1xEVDO Rel. 0	Mode A	0	Left Touch	384	836.5	25.70	25.42	0.195	0.208	0.148	0.158	
					Left Tilt	384	836.5	25.70	25.42	0.127	0.135	0.097	0.103	
					Right Touch	384	836.5	25.70	25.42	0.228	0.243	0.174	0.185	
					Right Tilt	384	836.5	25.70	25.42	0.131	0.140	0.098	0.104	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	384	836.5	25.25	25.16	0.501	0.512	0.277	0.283	42
					Front	384	836.5	25.25	25.16	0.254	0.260	0.193	0.197	
ANT2	Head	1xRTT RC3 SO32	Mode B	5	Edge 2	384	836.5	25.25	25.16	0.573	0.585	0.372	0.380	43
					Edge 3	384	836.5	25.25	25.16	0.290	0.296	0.134	0.137	
					Edge 4	384	836.5	25.25	25.16	0.212	0.217	0.136	0.139	
		1xRTT RC3 SO55	Mode A	0	Left Touch	384	836.5	24.50	24.21	0.658	0.704	0.479	0.513	
					Left Tilt	384	836.5	24.50	24.21	0.655	0.701	0.384	0.411	
					Right Touch	1013	824.7	24.50	24.28	0.774	0.815	0.487	0.513	
						384	836.5	24.50	24.21	0.791	0.847	0.530	0.567	
	Body & Hotspot	1xEVDO Rel. 0	Mode A	0		777	848.3	24.50	24.22	0.785	0.837	0.491	0.524	
					Right Tilt	384	836.5	24.50	24.21	0.662	0.708	0.392	0.420	
					Left Touch	384	836.5	24.50	24.27	0.701	0.740	0.513	0.541	44
					Left Tilt	384	836.5	24.50	24.27	0.592	0.625	0.347	0.366	
		1xRTT RC3 SO32	Mode B	5	Right Touch	1013	824.7	24.50	24.28	0.815	0.857	0.514	0.541	
						384	836.5	24.50	24.27	0.866	0.914	0.577	0.609	
						777	848.3	24.50	24.24	0.870	0.923	0.544	0.577	
					Right Tilt	384	836.5	24.50	24.27	0.567	0.598	0.346	0.365	
ANT2	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	384	836.5	24.50	24.41	0.461	0.471	0.284	0.290	45
					Front	384	836.5	24.50	24.41	0.325	0.332	0.221	0.226	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	384	836.5	24.50	24.41	0.177	0.181	0.087	0.089	
					Edge 2	384	836.5	24.50	24.41	0.174	0.178	0.113	0.115	
					Edge 4	384	836.5	24.50	24.41	0.307	0.314	0.198	0.202	

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	25.40	0.202	0.216	0.130	0.139	46
					Left Tilt	600	1880.0	25.70	25.40	0.124	0.133	0.074	0.079	
					Right Touch	600	1880.0	25.70	25.40	0.507	0.543	0.321	0.344	
					Right Tilt	600	1880.0	25.70	25.40	0.095	0.101	0.060	0.064	
		1xEVDO Rel. 0	Mode A	0	Left Touch	600	1880.0	25.70	25.30	0.182	0.199	0.117	0.128	
					Left Tilt	600	1880.0	25.70	25.30	0.138	0.151	0.077	0.084	
					Right Touch	600	1880.0	25.70	25.30	0.316	0.346	0.199	0.218	
					Right Tilt	600	1880.0	25.70	25.30	0.094	0.103	0.058	0.064	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	600	1880.0	17.50	17.36	0.571	0.590	0.282	0.291	47
					Front	600	1880.0	17.50	17.36	0.488	0.504	0.230	0.238	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	600	1880.0	17.50	17.36	0.161	0.166	0.086	0.089	48
					Edge 3	25	1851.3	17.50	17.30	0.895	0.937	0.407	0.426	
						600	1880.0	17.50	17.36	0.907	0.937	0.413	0.427	
						1175	1908.8	17.50	17.28	0.892	0.938	0.409	0.430	
					Edge 4	600	1880.0	17.50	17.36	0.027	0.028	0.013	0.013	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	1xRTT RC3 SO55	Mode A	0	Left Touch	600	1880.0	21.50	21.47	0.657	0.661	0.302	0.304	49
					Left Tilt	25	1851.3	21.50	21.33	0.936	0.973	0.418	0.435	
						600	1880.0	21.50	21.47	0.820	0.825	0.370	0.372	
						1175	1908.8	21.50	21.33	0.837	0.871	0.380	0.395	
					Right Touch	25	1851.3	21.50	21.33	0.915	0.951	0.462	0.480	
						600	1880.0	21.50	21.47	0.904	0.910	0.469	0.472	
						1175	1908.8	21.50	21.33	0.924	0.961	0.486	0.505	
					Right Tilt	25	1851.3	21.50	21.33	0.871	0.906	0.410	0.426	
						600	1880.0	21.50	21.47	0.835	0.840	0.400	0.403	
						1175	1908.8	21.50	21.33	0.838	0.872	0.401	0.417	
		1xEVDO Rel. 0	Mode A	0	Left Touch	600	1880.0	21.50	21.28	0.535	0.563	0.249	0.262	
					Left Tilt	600	1880.0	21.50	21.28	0.628	0.661	0.289	0.304	
					Right Touch	600	1880.0	21.50	21.28	0.751	0.791	0.374	0.394	
					Right Tilt	600	1880.0	21.50	21.28	0.703	0.740	0.345	0.363	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	600	1880.0	19.25	18.72	0.445	0.503	0.213	0.241	50
					Front	600	1880.0	19.25	18.72	0.271	0.306	0.132	0.149	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	25	1851.3	19.25	18.70	0.737	0.837	0.298	0.338	
						600	1880.0	19.25	18.72	0.743	0.839	0.298	0.337	
						1175	1908.8	19.25	18.70	0.825	0.936	0.330	0.375	
					Edge 2	600	1880.0	19.25	18.72	0.000	0.000	0.000	0.000	
					Edge 4	600	1880.0	19.25	18.72	0.166	0.188	0.087	0.098	

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	25.64	0.190	0.193	0.145	0.147	52
					Left Tilt	560	820.0	25.70	25.64	0.124	0.126	0.096	0.097	
					Right Touch	560	820.0	25.70	25.64	0.201	0.204	0.151	0.153	
					Right Tilt	560	820.0	25.70	25.64	0.111	0.113	0.086	0.087	
		1xEVDO Rel. 0	Mode A	0	Left Touch	560	820.0	25.70	25.58	0.196	0.202	0.148	0.152	
					Left Tilt	560	820.0	25.70	25.58	0.155	0.159	0.119	0.122	
					Right Touch	560	820.0	25.70	25.58	0.196	0.202	0.149	0.153	
					Right Tilt	560	820.0	25.70	25.58	0.157	0.161	0.119	0.122	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	560	820.0	25.25	24.93	0.541	0.583	0.298	0.321	53
					Front	560	820.0	25.25	24.93	0.268	0.289	0.171	0.184	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	560	820.0	25.25	24.93	0.600	0.647	0.390	0.420	54
					Edge 3	560	820.0	25.25	24.93	0.306	0.330	0.140	0.151	
					Edge 4	560	820.0	25.25	24.93	0.205	0.221	0.132	0.142	
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	24.26	0.593	0.627	0.434	0.459	55
					Left Tilt	560	820.0	24.50	24.26	0.619	0.654	0.357	0.377	
					Right Touch	560	820.0	24.50	24.26	0.787	0.832	0.493	0.521	
					Right Tilt	560	820.0	24.50	24.26	0.711	0.752	0.394	0.416	
		1xEVDO Rel. 0	Mode A	0	Left Touch	560	820.0	24.50	24.49	0.601	0.602	0.440	0.441	
					Left Tilt	560	820.0	24.50	24.49	0.534	0.535	0.320	0.321	
					Right Touch	560	820.0	24.50	24.49	0.667	0.668	0.456	0.457	
					Right Tilt	560	820.0	24.50	24.49	0.542	0.543	0.330	0.331	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	560	820.0	24.50	24.38	0.384	0.395	0.238	0.245	56
					Front	560	820.0	24.50	24.38	0.240	0.247	0.166	0.171	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	560	820.0	24.50	24.38	0.149	0.153	0.073	0.075	
					Edge 2	560	820.0	24.50	24.38	0.123	0.126	0.080	0.082	
					Edge 4	560	820.0	24.50	24.38	0.270	0.277	0.176	0.181	

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	25.67	0.277	0.279	0.229	0.231	
								25	12	24.70	24.56	0.261	0.270	0.214	0.221	
					Left Tilt	20525	836.5	1	25	25.70	25.67	0.178	0.179	0.152	0.153	
								25	12	24.70	24.56	0.173	0.179	0.149	0.154	
					Right Touch	20525	836.5	1	25	25.70	25.67	0.303	0.305	0.245	0.247	57
								25	12	24.70	24.56	0.286	0.296	0.232	0.240	
					Right Tilt	20525	836.5	1	25	25.70	25.67	0.164	0.165	0.140	0.141	
								25	12	24.70	24.56	0.152	0.157	0.127	0.131	
	Body & Hotspot	QPSK	Mode B	5	Rear	20525	836.5	1	25	25.25	25.07	0.783	0.816	0.478	0.498	58
								25	12	24.70	23.98	0.683	0.807	0.416	0.491	
					Front	20525	836.5	1	25	25.25	25.07	0.386	0.402	0.262	0.273	
								25	12	24.70	23.98	0.343	0.405	0.235	0.278	
					Edge 2	20525	836.5	1	25	25.25	25.07	0.765	0.798	0.531	0.554	
								25	12	24.70	23.98	0.677	0.799	0.472	0.557	
					Edge 3	20525	836.5	1	25	25.25	25.07	0.433	0.451	0.228	0.238	
								25	12	24.70	23.98	0.388	0.458	0.206	0.243	
					Edge 4	20525	836.5	1	25	25.25	25.07	0.412	0.430	0.295	0.308	
								25	12	24.70	23.98	0.368	0.435	0.265	0.313	
ANT2	Head	QPSK	Mode A	0	Left Touch	20525	836.5	1	25	24.50	24.44	0.649	0.657	0.504	0.511	
								25	12	23.50	23.45	0.548	0.555	0.427	0.432	
					Left Tilt	20525	836.5	1	25	24.50	24.44	0.615	0.623	0.380	0.385	
								25	12	23.50	23.45	0.510	0.516	0.317	0.321	
					Right Touch	20525	836.5	1	25	24.50	24.44	0.821	0.832	0.580	0.588	59
								25	12	23.50	23.45	0.693	0.702	0.488	0.494	
					Right Tilt	20525	836.5	1	25	24.50	24.44	0.668	0.677	0.412	0.417	
								25	12	23.50	23.45	0.555	0.562	0.345	0.349	
	Body & Hotspot	QPSK	Mode B	5	Rear	20525	836.5	1	25	24.50	24.44	0.397	0.402	0.274	0.278	60
								25	12	23.50	23.45	0.336	0.340	0.234	0.237	
					Front	20525	836.5	1	25	24.50	24.44	0.300	0.304	0.227	0.230	
								25	12	23.50	23.45	0.257	0.260	0.198	0.200	
					Edge 1	20525	836.5	1	25	24.50	24.44	0.188	0.190	0.119	0.121	
								25	12	23.50	23.45	0.169	0.171	0.109	0.110	
	Hotspot	QPSK	Mode B	5	Edge 2	20525	836.5	1	25	24.50	24.44	0.259	0.262	0.193	0.196	
								25	12	23.50	23.45	0.225	0.228	0.170	0.172	
					Edge 4	20525	836.5	1	25	24.50	24.44	0.354	0.359	0.255	0.258	
								25	12	23.50	23.45	0.299	0.303	0.217	0.220	

UL CA 5B

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	20476	831.6	1	49	20575	841.5	1	0	25.70	25.55	0.067	0.069	0.052	0.054	
ANT 1	Body	QPSK	Mode B	5	Rear	20476	831.6	1	49	20575	841.5	1	0	25.25	25.17	0.741	0.754	0.406	0.413	
ANT 2	Head	QPSK	Mode A	0	Right Touch	20476	831.6	1	49	20575	841.5	1	0	24.50	24.26	0.790	0.835	0.521	0.551	
ANT 2	Body	QPSK	Mode B	5	Rear	20476	831.6	1	49	20575	841.5	1	0	24.50	24.28	0.386	0.407	0.240	0.253	

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	25.25	25.24	0.322	0.323	0.168	0.168	
								50	24	24.70	24.21	0.268	0.300	0.139	0.156	
					Left Tilt	21100	2535.0	1	49	25.25	25.24	0.242	0.243	0.127	0.127	
								50	24	24.70	24.21	0.203	0.227	0.106	0.119	
					Right Touch	21100	2535.0	1	49	25.25	25.24	0.792	0.794	0.412	0.413	61
								50	24	24.70	24.21	0.696	0.779	0.359	0.402	
					Right Tilt	21100	2535.0	1	49	25.25	25.24	0.194	0.194	0.101	0.101	
								50	24	24.70	24.21	0.164	0.184	0.087	0.097	
	Body & Hotspot	QPSK	Mode B	5	Rear	21100	2535.0	1	49	19.00	18.86	0.682	0.704	0.281	0.290	62
								50	24	19.00	18.82	0.705	0.735	0.290	0.302	
					Front	21100	2535.0	1	49	19.00	18.86	0.468	0.483	0.200	0.207	
								50	24	19.00	18.82	0.485	0.506	0.208	0.217	
	Hotspot	QPSK	Mode B	5	Edge 2	20850	2510.0	1	49	19.00	18.60	0.762	0.836	0.317	0.348	
								50	24	19.00	18.72	0.808	0.861	0.336	0.358	
						21100	2535.0	1	49	19.00	18.86	0.965	0.997	0.390	0.403	63
								50	24	19.00	18.82	0.950	0.990	0.387	0.403	
					Edge 3	21100	2535.0	100	0	19.00	18.65	0.916	0.993	0.375	0.406	
								1	49	19.00	18.64	0.897	0.975	0.370	0.402	
						21350	2560.0	50	24	19.00	18.66	0.865	0.935	0.360	0.389	
								1	49	19.00	18.86	0.164	0.169	0.064	0.066	
					Edge 4	21100	2535.0	50	24	19.00	18.82	0.174	0.181	0.068	0.071	
								1	49	19.00	18.86	0.019	0.019	0.008	0.008	
						21100	2535.0	50	24	19.00	18.82	0.019	0.019	0.007	0.007	
								1	49	19.00	18.86	0.019	0.019	0.007	0.007	
ANT2	Head	QPSK	Mode A	0	Left Touch	21100	2535.0	1	49	19.00	18.94	0.272	0.276	0.148	0.150	
								50	24	19.00	18.98	0.280	0.281	0.151	0.152	
					Left Tilt	21100	2535.0	1	49	19.00	18.94	0.258	0.262	0.123	0.125	
								50	24	19.00	18.98	0.265	0.266	0.126	0.127	
					Right Touch	20850	2510.0	1	49	19.00	18.90	0.835	0.854	0.420	0.430	
								50	24	19.00	18.99	0.849	0.850	0.429	0.430	
						21100	2535.0	1	49	19.00	18.94	0.869	0.881	0.424	0.430	
								50	24	19.00	18.98	0.774	0.778	0.375	0.377	
						21350	2560.0	100	0	19.00	18.74	0.927	0.984	0.463	0.492	
								1	49	19.00	18.96	0.980	0.989	0.484	0.488	
					Right Tilt	21100	2535.0	50	24	19.00	18.98	0.991	0.996	0.478	0.480	64
								1	49	19.00	18.94	0.635	0.644	0.277	0.281	
	Body & Hotspot	QPSK	Mode B	5	Rear	20850	2510.0	50	24	19.00	18.98	0.653	0.656	0.282	0.283	
								1	49	19.25	19.01	0.684	0.722	0.270	0.285	
						21100	2535.0	50	24	19.25	19.08	0.770	0.801	0.301	0.313	
								100	0	19.25	19.06	0.791	0.827	0.310	0.324	
						21350	2560.0	1	49	19.25	19.19	0.968	0.981	0.373	0.378	
								50	24	19.25	19.17	0.977	0.995	0.377	0.384	65
					Front	21100	2535.0	1	49	19.25	19.08	0.384	0.399	0.190	0.198	
								50	24	19.25	19.16	0.401	0.409	0.199	0.203	
	Hotspot	QPSK	Mode B	5	Edge 1	21100	2535.0	1	49	19.25	19.08	0.219	0.228	0.095	0.098	
								50	24	19.25	19.16	0.254	0.259	0.111	0.113	
					Edge 2	21100	2535.0	1	49	19.25	19.08	0.032	0.033	0.013	0.013	
								50	24	19.25	19.16	0.031	0.032	0.011	0.011	
					Edge 4	21100	2535.0	1	49	19.25	19.08	0.559	0.581	0.261	0.271	
								50	24	19.25	19.16	0.567	0.579	0.263	0.269	
								1	49	19.25	19.08	0.559	0.581	0.261	0.271	
								50	24	19.25	19.16	0.567	0.579	0.263	0.269	

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	24.50	24.35	0.325	0.336	0.168	0.174	
								50	24	23.70	23.61	0.260	0.265	0.134	0.137	
					Left Tilt	21100	2535.0	1	49	24.50	24.35	0.142	0.147	0.073	0.075	
								50	24	23.70	23.61	0.146	0.149	0.075	0.077	
					Right Touch	21100	2535.0	1	49	24.50	24.35	0.566	0.586	0.308	0.319	66
								50	24	23.70	23.61	0.501	0.511	0.272	0.278	
					Right Tilt	21100	2535.0	1	49	24.50	24.35	0.346	0.358	0.176	0.182	
								50	24	23.70	23.61	0.315	0.322	0.159	0.162	
	Body & Hotspot	QPSK	Mode B	5	Rear	21100	2535.0	1	49	19.00	18.96	0.740	0.747	0.374	0.377	
								50	24	19.00	19.00	0.799	0.799	0.400	0.400	
					Front	21100	2535.0	1	49	19.00	18.96	0.533	0.538	0.266	0.268	
								50	24	19.00	19.00	0.557	0.557	0.284	0.284	
	Hotspot	QPSK	Mode B	5	Edge 3	21100	2535.0	1	49	19.00	18.96	0.147	0.148	0.073	0.074	
								50	24	19.00	19.00	0.154	0.154	0.076	0.076	
					Edge 4	20850	2510.0	1	49	19.00	18.92	0.967	0.985	0.447	0.455	
								50	24	19.00	18.80	0.943	0.988	0.438	0.459	
								1	49	19.00	18.96	0.923	0.932	0.423	0.427	
								50	24	19.00	19.00	0.956	0.956	0.436	0.436	
						21100	2535.0	100	0	19.00	18.98	0.944	0.948	0.432	0.434	
								1	49	19.00	18.86	0.898	0.927	0.410	0.423	
						21350	2560.0	50	24	19.00	18.82	0.899	0.937	0.410	0.427	

UL CA 7C

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	21001	2525.1	1	99	21199	2544.9	1	0	25.25	25.16	0.776	0.793	0.392	0.401	
ANT 1	Body	QPSK	Mode B	5	Rear	21001	2525.1	1	99	21199	2544.9	1	0	19.00	18.90	0.579	0.592	0.242	0.247	
ANT 1	Hotspot	QPSK	Mode B	5	Edge 2	21001	2525.1	1	99	21199	2544.9	1	0	19.00	18.68	0.672	0.723	0.287	0.309	
ANT 2	Head	QPSK	Mode A	0	Right Touch	21152	2540.2	1	99	21350	2560.0	1	0	19.00	18.95	0.724	0.733	0.373	0.377	
ANT 2	Body	QPSK	Mode B	5	Rear	21152	2540.2	1	99	21350	2560.0	1	0	19.25	19.11	0.452	0.467	0.187	0.193	
ANT 3	Head	QPSK	Mode A	0	Left Touch	21001	2525.1	1	99	21199	2544.9	1	0	24.50	24.19	0.360	0.386	0.194	0.208	
ANT 3	Body	QPSK	Mode B	5	Rear	21001	2525.1	1	99	21199	2544.9	1	0	19.00	18.73	0.616	0.656	0.311	0.331	
ANT 3	Body	QPSK	Mode B	5	Edge 4	20850	2510.0	1	99	21048	2529.8	1	0	19.00	18.77	0.816	0.860	0.381	0.402	
ANT 4	Head	QPSK	Mode A	0	Left Touch	20850	2510.0	1	99	21048	2529.8	1	0	19.50	19.45	0.745	0.754	0.348	0.352	
ANT 4	Body	QPSK	Mode B	5	Rear	21001	2525.1	1	99	21199	2544.9	1	0	20.25	20.07	0.387	0.403	0.182	0.190	
ANT 4	Hotspot	QPSK	Mode B	5	Edge 2	20850	2510.0	1	99	21048	2529.8	1	0	20.25	20.12	0.797	0.821	0.366	0.377	

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	25.55	0.154	0.159	0.117	0.121	
								25	12	24.70	24.51	0.131	0.137	0.100	0.104	
					Left Tilt	23095	707.5	1	25	25.70	25.55	0.099	0.102	0.078	0.081	
								25	12	24.70	24.51	0.087	0.091	0.067	0.070	
					Right Touch	23095	707.5	1	25	25.70	25.55	0.184	0.190	0.141	0.146	72
								25	12	24.70	24.51	0.152	0.159	0.117	0.122	
					Right Tilt	23095	707.5	1	25	25.70	25.55	0.101	0.104	0.079	0.082	
								25	12	24.70	24.51	0.084	0.088	0.066	0.069	
	Body & Hotspot	QPSK	Mode B	5	Rear	23095	707.5	1	25	25.70	25.55	0.518	0.536	0.319	0.330	73
								25	12	24.70	24.51	0.487	0.509	0.298	0.311	
					Front	23095	707.5	1	25	25.70	25.55	0.275	0.284	0.182	0.188	
								25	12	24.70	24.51	0.259	0.270	0.171	0.179	
					Edge 2	23095	707.5	1	25	25.70	25.55	0.440	0.455	0.238	0.246	
								25	12	24.70	24.51	0.413	0.431	0.223	0.233	
					Edge 3	23095	707.5	1	25	25.70	25.55	0.286	0.296	0.128	0.132	
								25	12	24.70	24.51	0.272	0.284	0.121	0.126	
					Edge 4	23095	707.5	1	25	25.70	25.55	0.182	0.188	0.117	0.121	
								25	12	24.70	24.51	0.166	0.173	0.107	0.112	
ANT2	Head	QPSK	Mode A	0	Left Touch	23095	707.5	1	25	24.50	24.49	0.430	0.431	0.290	0.291	
								25	12	23.50	23.46	0.416	0.420	0.286	0.288	
					Left Tilt	23095	707.5	1	25	24.50	24.49	0.651	0.652	0.330	0.331	
								25	12	23.50	23.46	0.647	0.653	0.325	0.328	
					Right Touch	23095	707.5	1	25	24.50	24.49	0.542	0.543	0.351	0.352	
								25	12	23.50	23.46	0.445	0.449	0.288	0.290	
					Right Tilt	23095	707.5	1	25	24.50	24.49	0.831	0.833	0.438	0.439	74
								25	12	23.50	23.46	0.709	0.715	0.370	0.373	
	Body & Hotspot	QPSK	Mode B	5	Rear	23095	707.5	1	25	24.50	24.49	0.360	0.361	0.226	0.227	75
								25	12	23.50	23.46	0.223	0.225	0.146	0.147	
					Front	23095	707.5	1	25	24.50	24.49	0.255	0.256	0.176	0.176	
								25	12	23.50	23.46	0.182	0.184	0.130	0.131	
					Edge 1	23095	707.5	1	25	24.50	24.49	0.159	0.159	0.078	0.078	
								25	12	23.50	23.46	0.139	0.140	0.069	0.070	
					Edge 2	23095	707.5	1	25	24.50	24.49	0.107	0.107	0.074	0.074	
								25	12	23.50	23.46	0.091	0.092	0.063	0.064	
	Hotspot	QPSK	Mode B	5	Edge 3	23095	707.5	1	25	24.50	24.49	0.250	0.251	0.162	0.162	
								25	12	23.50	23.46	0.206	0.208	0.136	0.137	

10.12. LTE Band 13 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	23230	782.0	1	25	25.70	25.58	0.055	0.056	0.045	0.046	
								25	12	24.70	24.43	0.045	0.048	0.037	0.039	
					Left Tilt	23230	782.0	1	25	25.70	25.58	0.047	0.048	0.039	0.040	
								25	12	24.70	24.43	0.040	0.043	0.033	0.035	
					Right Touch	23230	782.0	1	25	25.70	25.58	0.195	0.200	0.149	0.153	76
								25	12	24.70	24.43	0.155	0.165	0.118	0.126	
					Right Tilt	23230	782.0	1	25	25.70	25.58	0.049	0.050	0.042	0.043	
								25	12	24.70	24.43	0.043	0.046	0.037	0.039	
	Body & Hotspot	QPSK	Mode B	5	Rear	23230	782.0	1	25	25.70	25.58	0.138	0.142	0.077	0.079	77
								25	12	24.70	24.43	0.110	0.117	0.061	0.065	
					Front	23230	782.0	1	25	25.70	25.58	0.060	0.062	0.040	0.041	
								25	12	24.70	24.43	0.048	0.051	0.032	0.034	
					Edge 2	23230	782.0	1	25	25.70	25.58	0.687	0.706	0.442	0.454	78
								25	12	24.70	24.43	0.479	0.510	0.309	0.329	
								1	25	25.70	25.58	0.088	0.090	0.037	0.038	
								25	12	24.70	24.43	0.072	0.077	0.030	0.032	
	Hotspot	QPSK	Mode B	5	Edge 3	23230	782.0	1	25	25.70	25.58	0.224	0.230	0.157	0.161	
								25	12	24.70	24.43	0.195	0.207	0.126	0.134	
					Edge 4	23230	782.0	1	25	25.70	25.58	0.224	0.230	0.157	0.161	
								25	12	24.70	24.43	0.195	0.207	0.126	0.134	
ANT2	Head	QPSK	Mode A	0	Left Touch	23230	782.0	1	25	24.50	24.48	0.534	0.536	0.389	0.390	
								25	12	23.50	23.45	0.441	0.447	0.317	0.321	
					Left Tilt	23230	782.0	1	25	24.50	24.48	0.634	0.636	0.341	0.342	
								25	12	23.50	23.45	0.529	0.536	0.284	0.288	
					Right Touch	23230	782.0	1	25	24.50	24.48	0.671	0.674	0.458	0.460	79
								25	12	23.50	23.45	0.564	0.571	0.378	0.383	
					Right Tilt	23230	782.0	1	25	24.50	24.48	0.627	0.629	0.346	0.347	
								25	12	23.50	23.45	0.557	0.564	0.305	0.309	
	Body & Hotspot	QPSK	Mode B	5	Rear	23230	782.0	1	25	24.50	24.48	0.354	0.355	0.211	0.212	80
								25	12	23.50	23.45	0.306	0.310	0.187	0.189	
					Front	23230	782.0	1	25	24.50	24.48	0.257	0.258	0.162	0.163	
								25	12	23.50	23.45	0.252	0.255	0.170	0.172	
					Edge 1	23230	782.0	1	25	24.50	24.48	0.146	0.147	0.073	0.073	
								25	12	23.50	23.45	0.113	0.114	0.060	0.061	
								1	25	24.50	24.48	0.125	0.125	0.085	0.085	
								25	12	23.50	23.45	0.111	0.112	0.077	0.078	
	Hotspot	QPSK	Mode B	5	Edge 2	23230	782.0	1	25	24.50	24.48	0.257	0.258	0.135	0.136	
								25	12	23.50	23.45	0.195	0.197	0.128	0.130	
					Edge 4	23230	782.0	1	25	24.50	24.48	0.257	0.258	0.135	0.136	
								25	12	23.50	23.45	0.195	0.197	0.128	0.130	

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	0.179	0.179	0.136	0.136	
								25	12	24.70	24.57	0.147	0.151	0.112	0.115	
					Left Tilt	23330	793.0	1	25	25.70	25.70	0.158	0.158	0.123	0.123	
								25	12	24.70	24.57	0.127	0.131	0.099	0.102	
					Right Touch	23330	793.0	1	25	25.70	25.70	0.223	0.223	0.169	0.169	81
								25	12	24.70	24.57	0.186	0.192	0.141	0.145	
					Right Tilt	23330	793.0	1	25	25.70	25.70	0.169	0.169	0.132	0.132	
								25	12	24.70	24.57	0.140	0.144	0.109	0.112	
	Body & Hotspot	QPSK	Mode B	5	Rear	23330	793.0	1	25	25.70	25.70	0.460	0.460	0.263	0.263	82
								25	12	24.70	24.57	0.388	0.400	0.222	0.229	
					Front	23330	793.0	1	25	25.70	25.70	0.277	0.277	0.180	0.180	
								25	12	24.70	24.57	0.226	0.233	0.149	0.153	
	Hotspot	QPSK	Mode B	5	Edge 2	23330	793.0	1	25	25.70	25.70	0.653	0.653	0.420	0.420	83
								25	12	24.70	24.57	0.562	0.579	0.361	0.372	
					Edge 3	23330	793.0	1	25	25.70	25.70	0.253	0.253	0.118	0.118	
								25	12	24.70	24.57	0.202	0.208	0.095	0.098	
					Edge 4	23330	793.0	1	25	25.70	25.70	0.330	0.330	0.214	0.214	
								25	12	24.70	24.57	0.280	0.288	0.182	0.187	

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	24.46	0.406	0.410	0.286	0.289	
								25	12	23.50	23.49	0.337	0.338	0.230	0.230	
					Left Tilt	23330	793.0	1	25	24.50	24.46	0.428	0.432	0.231	0.233	
								25	12	23.50	23.49	0.352	0.353	0.191	0.191	
					Right Touch	23330	793.0	1	25	24.50	24.46	0.472	0.477	0.314	0.317	84
								25	12	23.50	23.49	0.393	0.394	0.261	0.262	
					Right Tilt	23330	793.0	1	25	24.50	24.46	0.455	0.459	0.249	0.251	
								25	12	23.50	23.49	0.376	0.377	0.207	0.207	
	Body & Hotspot	QPSK	Mode B	5	Rear	23330	793.0	1	25	24.50	24.46	0.463	0.467	0.276	0.279	85
								25	12	23.50	23.49	0.376	0.377	0.224	0.224	
					Front	23330	793.0	1	25	24.50	24.46	0.322	0.325	0.206	0.208	
								25	12	23.50	23.49	0.257	0.258	0.165	0.165	
	Hotspot	QPSK	Mode B	5	Edge 1	23330	793.0	1	25	24.50	24.46	0.207	0.209	0.100	0.101	
								25	12	23.50	23.49	0.166	0.166	0.081	0.081	
					Edge 2	23330	793.0	1	25	24.50	24.46	0.131	0.132	0.087	0.088	
								25	12	23.50	23.49	0.107	0.107	0.072	0.072	
					Edge 4	23330	793.0	1	25	24.50	24.46	0.435	0.439	0.278	0.281	
								25	12	23.50	23.49	0.349	0.350	0.223	0.223	

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	25.34	0.099	0.107	0.062	0.068	
								50	24	24.70	24.50	0.075	0.078	0.034	0.036	
					Left Tilt	26365	1882.5	1	49	25.70	25.34	0.064	0.069	0.036	0.040	
								50	24	24.70	24.50	0.062	0.064	0.035	0.036	
					Right Touch	26365	1882.5	1	49	25.70	25.34	0.312	0.339	0.198	0.215	86
								50	24	24.70	24.50	0.213	0.223	0.153	0.160	
					Right Tilt	26365	1882.5	1	49	25.70	25.34	0.051	0.056	0.032	0.035	
								50	24	24.70	24.50	0.052	0.054	0.029	0.030	
	Body & Hotspot	QPSK	Mode B	5	Rear	26365	1882.5	1	49	17.50	17.06	0.600	0.664	0.288	0.319	87
								50	24	17.50	17.16	0.616	0.666	0.295	0.319	
					Front	26365	1882.5	1	49	17.50	17.06	0.551	0.610	0.244	0.270	
								50	24	17.50	17.16	0.569	0.615	0.251	0.271	
	Hotspot	QPSK	Mode B	5	Edge 2	26365	1882.5	1	49	17.50	17.06	0.083	0.092	0.046	0.050	
								50	24	17.50	17.16	0.102	0.110	0.055	0.059	
					Edge 3	26140	1860.0	1	49	17.50	17.06	0.713	0.789	0.332	0.367	
								50	24	17.50	17.20	0.662	0.710	0.287	0.308	
						26365	1882.5	1	49	17.50	17.06	0.856	0.947	0.392	0.434	88
								50	24	17.50	17.16	0.819	0.885	0.351	0.379	
						26590	1905.0	100	0	17.50	17.13	0.780	0.849	0.337	0.367	
								1	49	17.50	17.03	0.779	0.869	0.359	0.400	
					Edge 4	26365	1882.5	50	24	17.50	17.07	0.756	0.835	0.327	0.361	
								1	49	17.50	17.06	0.002	0.003	0.000	0.000	
						26365	1882.5	50	24	17.50	17.16	0.002	0.002	0.000	0.000	
ANT2	Head	QPSK	Mode A	0	Left Touch	26365	1882.5	1	49	21.50	21.30	0.642	0.672	0.301	0.315	
								50	24	21.50	21.10	0.664	0.728	0.298	0.327	
					Left Tilt	26365	1882.5	1	49	21.50	21.30	0.762	0.798	0.347	0.363	
								50	24	21.50	21.10	0.721	0.791	0.331	0.363	
					Right Touch	26365	1882.5	1	49	21.50	21.30	0.639	0.669	0.315	0.330	
								50	24	21.50	21.10	0.641	0.703	0.315	0.345	
					Right Tilt	26140	1860.0	1	49	21.50	21.19	0.865	0.929	0.382	0.410	89
								50	24	21.50	21.02	0.870	0.972	0.382	0.427	
						26365	1882.5	1	49	21.50	21.30	0.783	0.820	0.375	0.393	
								50	24	21.50	21.10	0.825	0.905	0.386	0.423	
						26590	1905.0	100	0	21.50	20.98	0.794	0.896	0.358	0.404	
								1	49	21.50	21.19	0.774	0.832	0.349	0.375	
	Body & Hotspot	QPSK	Mode B	5	Rear	26365	1882.5	50	24	21.50	21.08	0.741	0.816	0.333	0.367	
								1	49	19.25	18.88	0.656	0.714	0.311	0.338	
					Front	26365	1882.5	50	24	19.25	18.85	0.700	0.768	0.339	0.372	90
								1	49	19.25	18.88	0.451	0.491	0.214	0.233	
					Edge 1	26140	1860.0	50	24	19.25	18.82	0.819	0.991	0.349	0.422	91
								1	49	19.25	18.88	0.880	0.958	0.375	0.408	
						26365	1882.5	50	24	19.25	18.85	0.880	0.965	0.373	0.409	
								100	0	19.25	18.70	0.862	0.978	0.367	0.416	
						26590	1905.0	1	49	19.25	18.56	0.832	0.976	0.355	0.417	
								50	24	19.25	18.69	0.866	0.985	0.367	0.418	
	Hotspot	QPSK	Mode B	5	Edge 2	26365	1882.5	1	49	19.25	18.88	0.000	0.000	0.000	0.000	
								50	24	19.25	18.85	0.000	0.000	0.000	0.000	
					Edge 4	26365	1882.5	1	49	19.25	18.88	0.223	0.243	0.116	0.126	
								50	24	19.25	18.85	0.233	0.255	0.121	0.133	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	QPSK	Mode A	0	Left Touch	26365	1882.5	1	49	24.70	24.16	0.673	0.763	0.407	0.461	92
								50	24	23.70	23.22	0.556	0.620	0.331	0.369	
					Left Tilt	26365	1882.5	1	49	24.70	24.16	0.228	0.258	0.138	0.156	
								50	24	23.70	23.22	0.193	0.215	0.118	0.132	
					Right Touch	26365	1882.5	1	49	24.70	24.16	0.328	0.372	0.217	0.246	
								50	24	23.70	23.22	0.262	0.292	0.174	0.194	
					Right Tilt	26365	1882.5	1	49	24.70	24.16	0.266	0.302	0.156	0.177	
								50	24	23.70	23.22	0.204	0.228	0.120	0.134	
	Body & Hotspot	QPSK	Mode B	5	Rear	26140	1860.0	1	49	21.25	20.96	0.906	0.969	0.475	0.508	
								50	24	21.25	21.05	0.898	0.941	0.471	0.494	
						26365	1882.5	1	49	21.25	20.95	0.926	0.992	0.493	0.528	93
								50	24	21.25	21.18	0.949	0.965	0.503	0.511	
					Front	26590	1905.0	1	49	21.25	21.02	0.858	0.905	0.476	0.502	
								50	24	21.25	21.13	0.841	0.865	0.467	0.480	
						26365	1882.5	1	49	21.25	20.95	0.644	0.690	0.374	0.401	
								50	24	21.25	21.18	0.627	0.637	0.342	0.348	
	Hotspot	QPSK	Mode B	5	Edge 3	26365	1882.5	1	49	21.25	20.95	0.161	0.173	0.073	0.078	
								50	24	21.25	21.18	0.162	0.165	0.073	0.074	
					Edge 4	26140	1860.0	1	49	21.25	20.96	0.724	0.774	0.371	0.397	
								50	24	21.25	21.05	0.693	0.726	0.357	0.374	
						26365	1882.5	1	49	21.25	20.95	0.923	0.989	0.473	0.507	
								50	24	21.25	21.18	0.934	0.949	0.478	0.486	
						26590	1905.0	1	49	21.25	21.02	0.941	0.962	0.481	0.492	
								50	24	21.25	21.13	0.796	0.840	0.408	0.430	
								50	24	21.25	21.13	0.777	0.799	0.399	0.410	
ANT4	Head	QPSK	Mode A	0	Left Touch	26140	1860.0	1	49	20.50	19.95	0.773	0.878	0.385	0.437	94
								50	24	20.50	19.89	0.804	0.925	0.398	0.458	
						26365	1882.5	1	49	20.50	19.90	0.751	0.863	0.401	0.461	
								50	24	20.50	19.86	0.697	0.808	0.349	0.404	
					Left Tilt	26590	1905.0	100	0	20.50	19.75	0.764	0.908	0.386	0.459	
								1	49	20.50	19.90	0.763	0.877	0.384	0.441	
						26365	1882.5	50	24	20.50	19.86	0.796	0.923	0.392	0.454	
								1	49	20.50	19.90	0.484	0.556	0.229	0.263	
					Right Touch	26365	1882.5	50	24	20.50	19.86	0.483	0.560	0.225	0.261	
								1	49	20.50	19.90	0.261	0.300	0.144	0.165	
					Right Tilt	26365	1882.5	50	24	20.50	19.86	0.271	0.314	0.149	0.173	
								1	49	20.50	19.90	0.179	0.206	0.097	0.111	
								50	24	20.50	19.86	0.152	0.176	0.078	0.090	
	Body & Hotspot	QPSK	Mode B	5	Rear	26365	1882.5	1	49	21.75	21.49	0.473	0.502	0.240	0.255	95
								50	24	21.70	21.67	0.432	0.435	0.219	0.221	
					Front	26365	1882.5	1	49	21.75	21.49	0.361	0.383	0.177	0.188	
								50	24	21.70	21.67	0.327	0.330	0.161	0.162	
	Hotspot	QPSK	Mode B	5	Edge 1	26365	1882.5	1	49	21.75	21.49	0.329	0.349	0.151	0.160	
								50	24	21.70	21.67	0.286	0.288	0.130	0.131	
					Edge 2	26140	1860.0	1	49	21.75	21.49	0.791	0.840	0.374	0.397	
								50	24	21.70	21.65	0.731	0.740	0.348	0.352	
						26365	1882.5	1	49	21.75	21.49	0.939	0.997	0.450	0.478	96
								50	24	21.70	21.67	0.814	0.821	0.376	0.379	
						26590	1905.0	100	0	21.70	21.55	0.770	0.797	0.362	0.375	
								1	49	21.75	21.40	0.869	0.943	0.410	0.445	
								50	24	21.70	21.70	0.816	0.816	0.384	0.384	

10.15. LTE Band 26 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	26865	831.5	1	25	25.70	25.60	0.258	0.264	0.209	0.214	
								25	12	24.70	24.65	0.224	0.226	0.184	0.186	
					Left Tilt	26865	831.5	1	25	25.70	25.60	0.176	0.180	0.154	0.158	
								25	12	24.70	24.65	0.157	0.159	0.135	0.136	
					Right Touch	26865	831.5	1	25	25.70	25.60	0.292	0.299	0.234	0.239	97
								25	12	24.70	24.65	0.257	0.260	0.206	0.208	
					Right Tilt	26865	831.5	1	25	25.70	25.60	0.175	0.179	0.149	0.152	
								25	12	24.70	24.65	0.154	0.156	0.132	0.133	
	Body & Hotspot	QPSK	Mode B	5	Rear	26865	831.5	1	25	25.25	25.03	0.698	0.734	0.420	0.441	98
								25	12	24.70	24.09	0.583	0.671	0.355	0.408	
					Front	26865	831.5	1	25	25.25	25.03	0.424	0.446	0.277	0.291	
								25	12	24.70	24.09	0.353	0.406	0.234	0.269	
	Hotspot	QPSK	Mode B	5	Edge 2	26865	831.5	1	25	25.25	25.03	0.739	0.777	0.516	0.542	99
								25	12	24.70	24.09	0.619	0.712	0.434	0.499	
					Edge 3	26865	831.5	1	25	25.25	25.03	0.437	0.459	0.233	0.245	
								25	12	24.70	24.09	0.368	0.423	0.201	0.231	
					Edge 4	26865	831.5	1	25	25.25	25.03	0.326	0.343	0.237	0.249	
								25	12	24.70	24.09	0.277	0.319	0.203	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	
ANT2	Head	QPSK	Mode A	0	Left Touch	26865	831.5	1	25	24.50	24.46	0.635	0.640	0.495	0.499	
								25	12	23.50	23.36	0.627	0.647	0.487	0.503	
					Left Tilt	26865	831.5	1	25	24.50	24.46	0.632	0.637	0.397	0.400	
								25	12	23.50	23.36	0.614	0.634	0.381	0.393	
					Right Touch	26740	819.0	1	25	24.50	24.47	0.805	0.811	0.565	0.569	
								25	12	23.50	23.23	0.786	0.836	0.549	0.584	
								1	25	24.50	24.46	0.819	0.826	0.573	0.578	
								25	12	23.50	23.36	0.803	0.829	0.562	0.580	
						26990	844.0	50	0	23.50	23.47	0.806	0.811	0.563	0.566	
								1	25	24.50	24.26	0.833	0.880	0.581	0.614	
					Right Tilt	26865	831.5	1	25	24.50	24.46	0.696	0.702	0.428	0.432	
								25	12	23.50	23.36	0.675	0.697	0.416	0.429	
	Body & Hotspot	QPSK	Mode B	5	Rear	26865	831.5	1	25	24.50	24.46	0.433	0.437	0.292	0.294	101
								25	12	23.50	23.36	0.411	0.424	0.279	0.288	
					Front	26865	831.5	1	25	24.50	24.46	0.331	0.334	0.246	0.248	
								25	12	23.50	23.36	0.315	0.325	0.237	0.245	
	Hotspot	QPSK	Mode B	5	Edge 1	26865	831.5	1	25	24.50	24.46	0.203	0.205	0.136	0.137	
								25	12	23.50	23.36	0.179	0.185	0.123	0.127	
					Edge 2	26865	831.5	1	25	24.50	24.46	0.276	0.278	0.211	0.213	
								25	12	23.50	23.36	0.243	0.251	0.187	0.193	
					Edge 4	26865	831.5	1	25	24.50	24.46	0.389	0.392	0.285	0.287	
								25	12	23.50	23.36	0.328	0.339	0.244	0.252	

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	24.96	0.198	0.235	0.109	0.129	
								25	12	24.70	23.94	0.161	0.192	0.088	0.105	
					Left Tilt	27710	2310.0	1	25	25.70	24.96	0.093	0.110	0.052	0.062	
								25	12	24.70	23.94	0.070	0.083	0.039	0.046	
					Right Touch	27710	2310.0	1	25	25.70	24.96	0.524	0.621	0.272	0.323	102
								25	12	24.70	23.94	0.421	0.501	0.219	0.261	
	Body & Hotspot	QPSK	Mode B	5	Right Tilt	27710	2310.0	1	25	25.70	24.96	0.073	0.087	0.039	0.046	
								25	12	24.70	23.94	0.057	0.068	0.030	0.036	
					Rear	27710	2310.0	1	25	22.25	21.82	0.816	0.901	0.342	0.378	
								25	12	22.25	21.86	0.853	0.933	0.358	0.392	
					Front	27710	2310.0	50	0	22.25	21.65	0.850	0.976	0.357	0.410	103
								1	25	22.25	21.82	0.432	0.477	0.185	0.204	
								25	12	22.25	21.86	0.451	0.493	0.193	0.211	
								1	25	22.25	21.82	0.834	0.921	0.348	0.384	
					Edge 2	27710	2310.0	25	12	22.25	21.86	0.892	0.976	0.371	0.406	104
								50	0	22.25	21.65	0.693	0.796	0.288	0.331	
					Edge 3	27710	2310.0	1	25	22.25	21.82	0.265	0.293	0.121	0.134	
								25	12	22.25	21.86	0.275	0.301	0.126	0.138	
					Edge 4	27710	2310.0	1	25	22.25	21.82	0.021	0.023	0.009	0.010	
								25	12	22.25	21.86	0.022	0.024	0.008	0.009	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	27710	2310.0	1	25	18.50	18.41	0.332	0.339	0.180	0.184	
								25	12	18.50	18.49	0.339	0.340	0.183	0.183	
					Left Tilt	27710	2310.0	1	25	18.50	18.41	0.364	0.372	0.185	0.189	
								25	12	18.50	18.49	0.311	0.312	0.153	0.153	
					Right Touch	27710	2310.0	1	25	18.50	18.41	0.852	0.870	0.422	0.431	
								25	12	18.50	18.49	0.888	0.890	0.442	0.443	
	Body & Hotspot	QPSK	Mode B	5	Right Tilt	27710	2310.0	50	0	18.50	18.25	0.764	0.809	0.384	0.406	
								1	25	18.50	18.41	0.707	0.722	0.324	0.331	
					Rear	27710	2310.0	25	12	19.50	19.47	0.934	0.941	0.395	0.398	
								50	0	19.50	19.23	0.707	0.753	0.297	0.316	
					Front	27710	2310.0	1	25	19.50	19.47	0.245	0.247	0.126	0.127	
								25	12	19.50	19.47	0.247	0.249	0.126	0.127	
					Edge 1	27710	2310.0	1	25	19.50	19.47	0.684	0.689	0.299	0.301	
								25	12	19.50	19.47	0.700	0.705	0.304	0.306	
					Edge 2	27710	2310.0	1	25	19.50	19.47	0.024	0.024	0.010	0.010	
								25	12	19.50	19.47	0.031	0.031	0.012	0.012	
					Edge 4	27710	2310.0	1	25	19.50	19.47	0.461	0.464	0.228	0.230	
								25	12	19.50	19.47	0.473	0.477	0.218	0.220	

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	24.00	0.854	0.958	0.459	0.515	107
								25	12	23.70	23.60	0.954	0.976	0.507	0.519	
								50	0	23.70	23.62	0.921	0.938	0.491	0.500	
					Left Tilt	27710	2310.0	1	25	24.50	24.00	0.207	0.232	0.113	0.127	
								25	12	23.70	23.60	0.181	0.185	0.100	0.102	
								1	25	24.50	24.00	0.412	0.462	0.236	0.265	
					Right Touch	27710	2310.0	25	12	23.70	23.60	0.408	0.418	0.235	0.240	
								1	25	24.50	24.00	0.164	0.184	0.089	0.100	
								25	12	23.70	23.60	0.150	0.153	0.081	0.083	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	20.75	20.52	0.922	0.972	0.470	0.496	108
								25	12	20.75	20.56	0.952	0.995	0.485	0.507	
								50	0	20.75	20.54	0.927	0.973	0.472	0.495	
					Front	27710	2310.0	1	25	20.75	20.52	0.374	0.394	0.199	0.210	
								25	12	20.75	20.56	0.382	0.399	0.205	0.214	
								1	25	20.75	20.52	0.243	0.256	0.120	0.127	
	Hotspot	QPSK	Mode B	5	Edge 3	27710	2310.0	25	12	20.75	20.56	0.251	0.262	0.124	0.130	
								1	25	20.75	20.52	0.800	0.844	0.383	0.404	
								25	12	20.75	20.56	0.844	0.882	0.403	0.421	
					Edge 4	27710	2310.0	50	0	20.75	20.54	0.837	0.878	0.400	0.420	
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	20.75	20.74	0.958	0.960	0.469	0.470	109
								25	12	20.75	20.67	0.873	0.889	0.422	0.430	
								50	0	20.75	20.64	0.893	0.915	0.426	0.436	
					Left Tilt	27710	2310.0	1	25	20.75	20.74	0.657	0.658	0.300	0.300	
								25	12	20.75	20.67	0.645	0.657	0.294	0.299	
								1	25	20.75	20.74	0.287	0.287	0.159	0.159	
					Right Touch	27710	2310.0	25	12	20.75	20.67	0.281	0.286	0.156	0.159	
								1	25	20.75	20.74	0.217	0.217	0.111	0.111	
								25	12	20.75	20.67	0.214	0.218	0.108	0.110	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	21.25	20.67	0.295	0.337	0.156	0.178	
								25	12	21.20	20.81	0.257	0.281	0.135	0.148	
								1	25	21.25	20.67	0.463	0.529	0.226	0.258	
					Front	27710	2310.0	25	12	21.20	20.81	0.396	0.433	0.194	0.212	110
								1	25	21.25	20.67	0.224	0.256	0.110	0.126	
								25	12	21.20	20.81	0.194	0.212	0.094	0.103	
	Hotspot	QPSK	Mode B	5	Edge 1	27710	2310.0	1	25	21.25	20.67	0.838	0.958	0.375	0.429	111
								25	12	21.20	20.81	0.780	0.853	0.346	0.379	
								50	0	21.20	20.83	0.736	0.801	0.325	0.354	
					Edge 2	27710	2310.0									

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	25.10	0.189	0.217	0.098	0.113	
								50	24	24.70	24.07	0.147	0.170	0.075	0.087	
					Left Tilt	40620	2593.0	1	49	25.70	25.10	0.144	0.165	0.073	0.084	
								50	24	24.70	24.07	0.118	0.136	0.059	0.068	
					Right Touch	40620	2593.0	1	49	25.70	25.10	0.678	0.779	0.328	0.377	112
								50	24	24.70	24.07	0.653	0.755	0.316	0.365	
					Right Tilt	40620	2593.0	1	49	25.70	25.10	0.105	0.121	0.054	0.062	
								50	24	24.70	24.07	0.079	0.092	0.038	0.044	
	Body & Hotspot	QPSK	Mode B	5	Rear	39750	2506.0	1	49	22.50	22.00	0.766	0.860	0.320	0.359	
								50	24	22.50	22.33	0.787	0.818	0.327	0.340	
						40185	2549.5	1	49	22.50	21.99	0.732	0.824	0.307	0.346	
								50	24	22.50	22.23	0.753	0.801	0.316	0.336	
						40620	2593.0	1	49	22.50	22.30	0.893	0.935	0.361	0.378	113
								50	24	22.50	22.46	0.914	0.922	0.370	0.373	
								100	0	22.50	22.42	0.912	0.929	0.370	0.377	
						41055	2636.5	1	49	22.50	22.26	0.699	0.739	0.291	0.308	
								50	24	22.50	22.24	0.729	0.774	0.302	0.321	
					41490	2680.0		1	49	22.50	21.95	0.661	0.751	0.274	0.311	
								50	24	22.50	22.04	0.672	0.747	0.279	0.310	
					Front	40620	2593.0	1	49	22.50	22.30	0.698	0.731	0.287	0.301	
								50	24	22.50	22.46	0.730	0.737	0.300	0.303	
	Hotspot	QPSK	Mode B	5	Edge 2	39750	2506.0	1	49	22.50	22.00	0.240	0.269	0.094	0.106	
								50	24	22.50	22.33	0.252	0.262	0.099	0.103	
						40185	2549.5	1	49	22.50	21.99	0.788	0.887	0.324	0.365	
								50	24	22.50	22.23	0.826	0.878	0.340	0.361	
						40620	2593.0	1	49	22.50	22.30	0.940	0.984	0.385	0.403	
								50	24	22.50	22.46	0.985	0.994	0.405	0.409	
								100	0	22.50	22.42	0.979	0.997	0.392	0.399	114
						41055	2636.5	1	49	22.50	22.26	0.927	0.980	0.379	0.401	
								50	24	22.50	22.24	0.928	0.985	0.378	0.401	
					41490	2680.0		1	49	22.50	21.95	0.813	0.923	0.335	0.380	
								50	24	22.50	22.04	0.842	0.936	0.346	0.385	
					Edge 3	40620	2593.0	1	49	22.50	22.30	0.746	0.781	0.304	0.318	
								50	24	22.50	22.46	0.788	0.795	0.320	0.323	
					Edge 4	40620	2593.0	1	49	22.50	22.30	0.029	0.030	0.013	0.014	
								50	24	22.50	22.46	0.018	0.018	0.005	0.005	

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	19.75	19.52	0.282	0.297	0.139	0.147	
								50	24	19.75	19.56	0.292	0.305	0.144	0.150	
					Left Tilt	40620	2593.0	1	49	19.75	19.52	0.331	0.349	0.151	0.159	
								50	24	19.75	19.56	0.349	0.365	0.160	0.167	
					Right Touch	39750	2506.0	1	49	19.75	19.48	0.606	0.644	0.303	0.322	
								50	24	19.75	19.66	0.633	0.647	0.315	0.322	
						40185	2549.5	1	49	19.75	18.94	0.691	0.833	0.336	0.405	
								50	24	19.75	19.03	0.728	0.860	0.354	0.418	
						40620	2593.0	1	49	19.75	19.52	0.835	0.880	0.397	0.419	
								50	24	19.75	19.56	0.878	0.917	0.416	0.435	
								100	0	19.75	19.54	0.883	0.927	0.422	0.443	
						41055	2636.5	1	49	19.75	19.34	0.863	0.948	0.402	0.442	
								50	24	19.75	19.36	0.907	0.992	0.421	0.461	115
						41490	2680.0	1	49	19.75	19.36	0.806	0.882	0.361	0.395	
								50	24	19.75	19.38	0.843	0.918	0.378	0.412	
					Right Tilt	40620	2593.0	1	49	19.75	19.52	0.588	0.620	0.253	0.267	
								50	24	19.75	19.56	0.610	0.637	0.262	0.274	
	Body & Hotspot	QPSK	Mode B	5	Rear	39750	2506.0	1	49	21.00	20.42	0.786	0.899	0.302	0.345	
								50	24	21.00	20.58	0.751	0.828	0.285	0.314	
						40185	2549.5	1	49	21.00	20.72	0.934	0.996	0.353	0.377	
								50	24	21.00	20.60	0.887	0.973	0.334	0.366	
						40620	2593.0	1	49	21.00	20.64	0.893	0.970	0.363	0.394	
								50	24	21.00	20.68	0.853	0.919	0.344	0.371	
								100	0	21.00	20.57	0.849	0.938	0.343	0.379	
						41055	2636.5	1	49	21.00	20.94	0.970	0.983	0.388	0.393	
								50	24	21.00	20.66	0.921	0.997	0.367	0.397	116
						41490	2680.0	1	49	21.00	20.99	0.994	0.996	0.366	0.367	
								50	24	21.00	20.96	0.944	0.953	0.347	0.350	
					Front	40620	2593.0	1	49	21.00	20.64	0.441	0.479	0.220	0.239	
								50	24	21.00	20.68	0.459	0.494	0.229	0.247	
	Hotspot	QPSK	Mode B	5	Edge 1	40620	2593.0	1	49	21.00	20.64	0.288	0.313	0.125	0.136	
								50	24	21.00	20.68	0.277	0.298	0.120	0.129	
					Edge 2	40620	2593.0	1	49	21.00	20.64	0.032	0.035	0.011	0.012	
								50	24	21.00	20.68	0.032	0.034	0.012	0.013	
					Edge 4	40620	2593.0	1	49	21.00	20.64	0.555	0.603	0.254	0.276	
								50	24	21.00	20.68	0.545	0.587	0.249	0.268	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	QPSK	Mode A	0	Left Touch	40620	2593.0	1	49	24.70	24.45	0.647	0.686	0.328	0.348	117
								50	24	23.70	23.60	0.631	0.646	0.319	0.327	
					Left Tilt	40620	2593.0	1	49	24.70	24.45	0.102	0.108	0.051	0.054	
								50	24	23.70	23.60	0.083	0.085	0.041	0.042	
					Right Touch	40620	2593.0	1	49	24.70	24.45	0.285	0.302	0.152	0.161	
								50	24	23.70	23.60	0.234	0.240	0.124	0.127	
					Right Tilt	40620	2593.0	1	49	24.70	24.45	0.143	0.152	0.069	0.073	
								50	24	23.70	23.60	0.119	0.122	0.056	0.057	
	Body & Hotspot	QPSK	Mode B	5	Rear	39750	2506.0	1	49	21.75	21.65	0.971	0.994	0.487	0.498	118
								50	24	21.75	21.64	0.946	0.970	0.469	0.481	
						40185	2549.5	1	49	21.75	21.43	0.793	0.855	0.391	0.421	
								50	24	21.75	21.58	0.810	0.843	0.399	0.415	
						40620	2593.0	1	49	21.75	21.68	0.849	0.863	0.412	0.419	
								50	24	21.75	21.60	0.817	0.845	0.401	0.415	
					Front	41055	2636.5	100	0	21.75	21.57	0.821	0.855	0.401	0.418	
								1	49	21.75	21.43	0.705	0.758	0.337	0.362	
						41490	2680.0	1	49	21.75	21.52	0.741	0.781	0.353	0.372	
								50	24	21.75	21.52	0.567	0.598	0.324	0.342	
						41490	2680.0	1	49	21.75	21.59	0.573	0.594	0.274	0.284	
								50	24	21.75	21.59	0.573	0.594	0.274	0.284	
	Hotspot	QPSK	Mode B	5	Edge 3	40620	2593.0	1	49	21.75	21.68	0.436	0.443	0.222	0.226	
								50	24	21.75	21.60	0.453	0.469	0.231	0.239	
					Edge 4	39750	2506.0	1	49	21.75	21.65	0.152	0.154	0.072	0.073	
								50	24	21.75	21.60	0.158	0.163	0.075	0.078	
						40185	2549.5	1	49	21.75	21.43	0.840	0.860	0.391	0.400	
								50	24	21.75	21.64	0.869	0.891	0.406	0.416	
						40620	2593.0	1	49	21.75	21.43	0.759	0.818	0.355	0.383	
								50	24	21.75	21.58	0.787	0.819	0.368	0.383	
						41055	2636.5	1	49	21.75	21.68	0.880	0.894	0.398	0.404	
								50	24	21.75	21.60	0.912	0.944	0.412	0.426	
						41490	2680.0	100	0	21.75	21.57	0.823	0.857	0.376	0.391	
								1	49	21.75	21.43	0.707	0.760	0.316	0.340	
								50	24	21.75	21.52	0.744	0.784	0.334	0.352	
								1	49	21.75	21.52	0.594	0.627	0.274	0.289	
								50	24	21.75	21.59	0.594	0.616	0.267	0.277	
ANT4	Head	QPSK	Mode A	0	Left Touch	39750	2506.0	1	49	21.25	21.25	0.978	0.979	0.441	0.441	119
								1	49	21.25	21.15	0.786	0.805	0.351	0.360	
						40620	2593.0	1	49	21.25	21.10	0.774	0.801	0.352	0.364	
								50	24	21.20	21.20	0.681	0.681	0.311	0.311	
						41055	2636.5	1	49	21.25	21.17	0.512	0.522	0.231	0.236	
								1	49	21.25	21.25	0.481	0.481	0.216	0.216	
					Left Tilt	40620	2593.0	1	49	21.25	21.12	0.503	0.518	0.213	0.219	
								50	24	21.20	21.20	0.438	0.438	0.185	0.185	
					Right Touch	40620	2593.0	1	49	21.25	21.12	0.147	0.151	0.072	0.074	
								50	24	21.20	21.20	0.128	0.128	0.062	0.062	
					Right Tilt	40620	2593.0	1	49	21.25	21.12	0.139	0.143	0.067	0.069	
								50	24	21.20	21.20	0.122	0.122	0.059	0.059	
	Body & Hotspot	QPSK	Mode B	5	Rear	40620	2593.0	1	49	22.20	21.75	0.305	0.338	0.141	0.156	
								50	24	21.20	21.16	0.325	0.328	0.151	0.152	120
					Front	40620	2593.0	1	49	22.20	21.75	0.239	0.265	0.115	0.128	
								50	24	21.20	21.16	0.232	0.234	0.111	0.112	
	Hotspot	QPSK	Mode B	5	Edge 1	40620	2593.0	1	49	22.20	21.75	0.087	0.096	0.035	0.039	
								50	24	21.20	21.16	0.082	0.083	0.034	0.034	
					Edge 2	39750	2506.0	1	49	22.20	21.96	0.830	0.877	0.350	0.370	
								1	49	22.20	21.94	0.723	0.768	0.315	0.334	
						40620	2593.0	1	49	22.20	21.75	0.846	0.938	0.360	0.399	121
								50	24	21.20	21.16	0.664	0.670	0.292	0.295	
						41055	2636.5	1	49	22.20	21.98	0.651	0.685	0.285	0.300	
								1	49	22.20	21.92	0.682	0.727	0.284	0.303	

UL CA 41C

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	40521	2583.1	1	99	40719	2602.9	1	0	25.70	25.05	0.433	0.503	0.222	0.258	
ANT 1	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	22.50	22.23	0.881	0.936	0.365	0.388	
ANT 1	Hotspot	QPSK	Mode B	5	Edge 2	39750	2506.0	1	99	39948	2525.8	1	0	22.50	21.96	0.954	1.081	0.403	0.457	
ANT 2	Head	QPSK	Mode A	0	Right Touch	41292	2660.2	1	99	41490	2680.0	1	0	19.75	19.57	0.762	0.793	0.357	0.372	
ANT 2	Body	QPSK	Mode B	5	Rear	41292	2660.2	1	99	41490	2680.0	1	0	21.00	20.40	0.757	0.870	0.299	0.344	
ANT 3	Head	QPSK	Mode A	0	Left Touch	40521	2583.1	1	99	40719	2602.9	1	0	24.70	24.40	0.528	0.566	0.265	0.284	
ANT 3	Body	QPSK	Mode B	5	Rear	39750	2506.0	1	99	39948	2525.8	1	0	21.75	21.42	0.414	0.446	0.207	0.223	
ANT 4	Head	QPSK	Mode A	0	Left Touch	39750	2506.0	1	99	39948	2525.8	1	0	21.25	21.04	0.959	1.007	0.464	0.487	
ANT 4	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	22.20	21.60	0.285	0.327	0.129	0.148	
ANT 4	Body	QPSK	Mode B	5	Edge 2	40521	2583.1	1	99	40719	2602.9	1	0	22.20	21.98	0.259	0.273	0.113	0.119	

Note(s):

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

Additional SAR for UL CA PC2 is not required. Test reduction has been applied base on standalone SAR.

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

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

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

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

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

Reported SAR vs. Output Power linearly scaled

Antenna	RF Exposure Conditions	Power Class 2			Power Class 3				PC2 linearly scaled Reported SAR (W/kg)	Linearly scaled (<10%)
		Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Reported 1-g SAR (W/kg)		
ANT1	Head	43.3%	27.25	229.87	63.3%	25.70	235.18	0.779	0.761	-2.26%
ANT3	Head	43.3%	25.70	160.87	63.3%	24.70	186.81	0.686	0.591	-13.88%
ANT4	Body	43.3%	22.25	72.69	63.3%	22.20	105.05	0.938	0.649	-30.80%

Conclusion:

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

10.19. LTE Band 48 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT7	Head	QPSK	Mode A	0	Left Touch	56207	3646.7	1	49	25.70	25.43	0.256	0.272	0.110	0.117	
								50	24	24.70	24.50	0.198	0.207	0.088	0.092	
					Left Tilt	56207	3646.7	1	49	25.70	25.43	0.190	0.202	0.087	0.093	
								50	24	24.70	24.50	0.153	0.160	0.074	0.077	
					Right Touch	56207	3646.7	1	49	25.70	25.43	0.749	0.797	0.311	0.331	122
								50	24	24.70	24.50	0.538	0.563	0.226	0.236	
					Right Tilt	56207	3646.7	1	49	25.70	25.43	0.122	0.130	0.060	0.064	
								50	24	24.70	24.50	0.132	0.138	0.070	0.073	
	Body & Hotspot	QPSK	Mode B	5	Rear	55340	3560.0	1	49	21.50	21.50	0.882	0.882	0.357	0.357	
								50	24	21.50	21.50	0.941	0.941	0.375	0.375	
						55773	3603.3	1	49	21.50	21.33	0.866	0.900	0.350	0.364	
								50	24	21.50	21.50	0.913	0.913	0.369	0.369	
					56207	3646.7		1	49	21.50	21.38	0.900	0.925	0.358	0.368	
								50	24	21.50	21.33	0.913	0.950	0.360	0.375	123
								100	0	21.50	21.32	0.832	0.867	0.333	0.347	
								1	49	21.50	21.07	0.712	0.786	0.262	0.289	
					56640	3690.0		50	24	21.50	21.17	0.756	0.815	0.278	0.300	
								1	49	21.50	21.07	0.536	0.592	0.223	0.246	
								50	24	21.50	21.17	0.545	0.588	0.225	0.243	
					Front	56207	3646.7	1	49	21.50	21.07	0.536	0.592	0.223	0.246	
								50	24	21.50	21.17	0.545	0.588	0.225	0.243	
	Hotspot	QPSK	Mode B	5	Edge 2	55340	3560.0	1	49	21.50	21.50	0.976	0.976	0.375	0.375	
								50	24	21.50	21.50	0.982	0.982	0.392	0.392	
						55773	3603.3	1	49	21.50	21.33	0.951	0.988	0.372	0.386	
								50	24	21.50	21.50	0.976	0.976	0.386	0.386	
					56207	3646.7		1	49	21.50	21.38	0.970	0.997	0.371	0.381	
								50	24	21.50	21.33	0.930	0.968	0.337	0.351	
								100	0	21.50	21.32	0.958	0.999	0.383	0.399	124
								1	49	21.50	21.07	0.882	0.974	0.347	0.383	
					56640	3690.0		50	24	21.50	21.17	0.901	0.972	0.352	0.380	
								1	49	21.50	21.12	0.240	0.262	0.108	0.118	
					Edge 3	56207	3646.7	1	49	21.50	21.12	0.240	0.262	0.108	0.118	
								50	24	21.50	21.33	0.246	0.256	0.110	0.114	
ANT4	Head	QPSK	Mode A	0	Left Touch	55340	3560.0	1	49	20.00	19.55	0.808	0.896	0.287	0.318	
								50	24	20.00	19.73	0.707	0.752	0.250	0.266	
						55773	3603.3	1	49	20.00	19.61	0.842	0.922	0.298	0.326	
								50	24	20.00	19.54	0.728	0.809	0.256	0.285	
					56207	3646.7		1	49	20.00	19.61	0.826	0.905	0.328	0.359	
								50	24	20.00	19.31	0.720	0.845	0.283	0.332	
								100	0	20.00	19.30	0.705	0.828	0.252	0.296	
					56640	3690.0		1	49	20.00	19.50	0.873	0.980	0.304	0.341	
								50	24	20.00	19.50	0.876	0.983	0.304	0.341	125
					Left Tilt	56207	3646.7	1	49	20.00	19.61	0.422	0.462	0.155	0.170	
								50	24	20.00	19.31	0.441	0.517	0.162	0.190	
					Right Touch	56207	3646.7	1	49	20.00	19.61	0.116	0.127	0.049	0.054	
								50	24	20.00	19.31	0.118	0.138	0.051	0.060	
					Right Tilt	56207	3646.7	1	49	20.00	19.61	0.138	0.151	0.058	0.064	
								50	24	20.00	19.31	0.145	0.170	0.061	0.072	
	Body & Hotspot	QPSK	Mode B	5	Rear	56207	3646.7	1	49	21.50	21.10	0.443	0.486	0.175	0.192	126
								50	24	21.50	21.12	0.433	0.473	0.178	0.194	
					Front	56207	3646.7	1	49	21.50	21.10	0.286	0.314	0.123	0.135	
								50	24	21.50	21.12	0.237	0.259	0.102	0.111	
	Hotspot	QPSK	Mode B	5	Edge 1	56207	3646.7	1	49	21.50	21.48	0.102	0.103	0.043	0.043	
								50	24	21.50	21.48	0.090	0.090	0.038	0.038	
					Edge 2	55340	3560.0	1	49	21.50	21.23	0.637	0.677	0.240	0.255	
								1	49	21.50	21.44	0.715	0.725	0.275	0.279	
						56207	3646.7	1	49	21.50	21.10	0.740	0.811	0.273	0.299	
								50	24	21.50	21.12	0.644	0.703	0.227	0.248	
					56640	3690.0		1	49	21.50	21.27	0.943	0.995	0.340	0.359	127
								1	49	21.50	21.27	0.943	0.995	0.340	0.359	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT9	Head	QPSK	Mode A	0	Left Touch	56207	3646.7	1	49	25.70	25.53	0.440	0.458	0.171	0.178	128
								50	24	24.70	24.48	0.429	0.451	0.157	0.165	
					Left Tilt	56207	3646.7	1	49	25.70	25.53	0.088	0.092	0.053	0.055	
								50	24	24.70	24.48	0.068	0.071	0.043	0.045	
					Right Touch	56207	3646.7	1	49	25.70	25.53	0.311	0.324	0.115	0.120	
								50	24	24.70	24.48	0.214	0.225	0.092	0.097	
					Right Tilt	56207	3646.7	1	49	25.70	25.53	0.119	0.124	0.042	0.044	
								50	24	24.70	24.48	0.060	0.063	0.014	0.015	
	Body & Hotspot	QPSK	Mode B	5	Rear	55340	3560.0	1	49	23.00	22.80	0.731	0.765	0.294	0.308	
								50	24	23.00	22.65	0.766	0.831	0.321	0.348	
						55773	3603.3	1	49	23.00	22.80	0.765	0.801	0.323	0.338	
								50	24	23.00	22.90	0.800	0.819	0.337	0.345	
						56207	3646.7	1	49	23.00	22.78	0.924	0.973	0.395	0.416	
								50	24	23.00	22.90	0.947	0.970	0.408	0.418	
					Front	56640	3690.0	100	0	23.00	22.91	0.960	0.980	0.385	0.393	
								1	49	23.00	22.60	0.842	0.923	0.358	0.392	
						56207	3646.7	50	24	23.00	22.53	0.884	0.985	0.376	0.419	129
								1	49	23.00	22.78	0.504	0.530	0.214	0.225	
						56207	3646.7	50	24	23.00	22.90	0.498	0.510	0.212	0.217	
								1	49	23.00	22.78	0.180	0.189	0.080	0.084	
	Hotspot	QPSK	Mode B	5	Edge 3	56207	3646.7	1	49	23.00	22.78	0.180	0.189	0.080	0.084	
								50	24	23.00	22.90	0.218	0.223	0.095	0.097	
					Edge 4	55340	3560.0	1	49	23.00	22.80	0.949	0.994	0.381	0.399	
								50	24	23.00	22.65	0.842	0.913	0.350	0.380	
						55773	3603.3	1	49	23.00	22.80	0.945	0.990	0.386	0.404	
								50	24	23.00	22.90	0.974	0.997	0.396	0.405	
						56207	3646.7	1	49	23.00	22.78	0.864	0.909	0.324	0.341	
								50	24	23.00	22.90	0.893	0.914	0.334	0.342	
						56640	3690.0	100	0	23.00	22.91	0.979	0.999	0.369	0.377	130
								1	49	23.00	22.60	0.851	0.933	0.335	0.367	
								50	24	23.00	22.53	0.811	0.904	0.325	0.362	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT8	Head	QPSK	Mode A	0	Left Touch	56207	3646.7	1	49	20.25	20.16	0.375	0.383	0.122	0.125	
								50	24	20.25	20.25	0.378	0.378	0.124	0.124	
					Left Tilt	56207	3646.7	1	49	20.25	20.16	0.610	0.623	0.182	0.186	
								50	24	20.25	20.25	0.632	0.633	0.189	0.189	
					Right Touch	55340	3560.0	1	49	20.25	20.24	0.903	0.905	0.341	0.342	
								50	24	20.25	20.24	0.939	0.942	0.354	0.355	
						55773	3603.3	1	49	20.25	20.17	0.920	0.937	0.344	0.350	
								50	24	20.25	20.16	0.959	0.978	0.359	0.366	131
						56207	3646.7	1	49	20.25	20.16	0.878	0.897	0.327	0.334	
								50	24	20.25	20.25	0.911	0.912	0.339	0.339	
								100	0	20.25	20.24	0.918	0.920	0.342	0.343	
						56640	3690.0	1	49	20.25	20.25	0.907	0.907	0.348	0.348	
								50	24	20.25	20.22	0.808	0.813	0.310	0.312	
					Right Tilt	55340	3560.0	1	49	20.25	20.24	0.716	0.717	0.272	0.273	
								50	24	20.25	20.24	0.748	0.750	0.283	0.284	
						55773	3603.3	1	49	20.25	20.17	0.740	0.754	0.279	0.284	
								50	24	20.25	20.16	0.776	0.791	0.293	0.299	
						56207	3646.7	1	49	20.25	20.16	0.888	0.907	0.312	0.319	
								50	24	20.25	20.25	0.897	0.898	0.320	0.320	
								100	0	20.25	20.24	0.773	0.774	0.292	0.293	
						56640	3690.0	1	49	20.25	20.25	0.711	0.711	0.274	0.274	
								50	24	20.25	20.22	0.734	0.738	0.283	0.285	
					Body & Hotspot	QPSK	Mode B	5	Rear	55340	3560.0	1	49	21.50	21.23	0.832
	50	24	21.50	21.13								0.781	0.851	0.267	0.291	
	55773	3603.3	1	49						21.50	21.04	0.834	0.927	0.289	0.321	
			50	24						21.50	21.25	0.753	0.798	0.260	0.275	
	56207	3646.7	1	49						21.50	21.07	0.859	0.949	0.291	0.321	132
			50	24					21.50	20.50	0.749	0.943	0.253	0.319		
			100	0					21.50	21.00	0.759	0.851	0.256	0.287		
	56640	3690.0	1	49					21.50	21.28	0.857	0.901	0.289	0.304		
			50	24					21.50	21.29	0.739	0.775	0.251	0.263		
	Front	56207	3646.7	1					49	21.50	21.07	0.413	0.456	0.165	0.182	
				50					24	21.50	21.15	0.365	0.396	0.148	0.161	
	Hotspot	QPSK	Mode B	5	Edge 1	56207	3646.7	1	49	21.50	21.07	0.701	0.774	0.225	0.249	
								50	24	21.50	21.15	0.610	0.662	0.195	0.212	
					Edge 4	55340	3560.0	1	49	21.50	21.23	0.801	0.852	0.326	0.347	
								50	24	21.50	21.13	0.727	0.793	0.295	0.322	
						55773	3603.3	1	49	21.50	21.04	0.846	0.940	0.340	0.378	
								50	24	21.50	21.25	0.762	0.807	0.308	0.326	
						56207	3646.7	1	49	21.50	21.07	0.738	0.815	0.294	0.325	
								50	24	21.50	20.50	0.645	0.812	0.257	0.324	
								100	0	21.50	21.00	0.739	0.829	0.295	0.331	
						56640	3690.0	1	49	21.50	21.28	0.754	0.792	0.298	0.313	
								50	24	21.50	21.29	0.664	0.697	0.262	0.275	

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Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 7	Head	QPSK	Mode A	0	Right Touch	55891	3615.1	1	99	56089	3634.9	1	0	25.70	25.58	0.594	0.611	0.249	0.256	
ANT 7	Body	QPSK	Mode B	5	Rear	55340	3560.0	1	99	55538	3579.8	1	0	21.50	21.31	0.937	0.980	0.375	0.392	
ANT 7	Body	QPSK	Mode B	5	Edge 2	55340	3560.0	1	99	55538	3579.8	1	0	21.50	21.29	0.915	0.961	0.343	0.360	
ANT 4	Head	QPSK	Mode A	0	Left Touch	56442	3670.2	1	99	56640	3690.0	1	0	20.00	19.54	0.868	0.964	0.340	0.378	
ANT 4	Body	QPSK	Mode B	5	Rear	55891	3615.1	1	99	56089	3634.9	1	0	21.50	21.09	0.310	0.341	0.140	0.154	
ANT 4	Hotspot	QPSK	Mode B	5	Edge 2	55891	3615.1	1	99	56089	3634.9	1	0	21.50	21.02	0.698	0.780	0.265	0.296	
ANT 9	Head	QPSK	Mode A	0	Left Touch	55891	3615.1	1	99	56089	3634.9	1	0	25.70	25.33	0.360	0.392	0.138	0.150	
ANT 9	Body	QPSK	Mode B	5	Rear	55891	3615.1	1	99	56089	3634.9	1	0	23.00	22.67	0.832	0.898	0.365	0.394	
ANT 9	Hotspot	QPSK	Mode B	5	Edge 4	55891	3615.1	1	99	56089	3634.9	1	0	23.00	22.59	0.960	1.055	0.367	0.403	
ANT 8	Head	QPSK	Mode A	0	Right Touch	55891	3615.1	1	99	56089	3634.9	1	0	20.25	20.11	0.923	0.953	0.343	0.354	
ANT 8	Body	QPSK	Mode B	5	Rear	55891	3615.1	1	99	56089	3634.9	1	0	21.50	21.26	0.672	0.710	0.242	0.256	

Note(s):

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

10.20. LTE Band 66 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	132322	1745.0	1	49	25.70	25.61	0.164	0.167	0.103	0.105	
								50	24	24.70	24.55	0.142	0.147	0.091	0.094	
					Left Tilt	132322	1745.0	1	49	25.70	25.61	0.153	0.156	0.084	0.086	
								50	24	24.70	24.55	0.146	0.151	0.081	0.084	
					Right Touch	132322	1745.0	1	49	25.70	25.61	0.397	0.405	0.257	0.262	133
								50	24	24.70	24.55	0.388	0.402	0.252	0.261	
					Right Tilt	132322	1745.0	1	49	25.70	25.61	0.131	0.134	0.078	0.080	
								50	24	24.70	24.55	0.129	0.134	0.075	0.078	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	18.50	18.43	0.551	0.560	0.276	0.280	134
								50	24	18.50	18.45	0.566	0.573	0.283	0.286	
					Front	132322	1745.0	1	49	18.50	18.43	0.498	0.506	0.237	0.241	
								50	24	18.50	18.45	0.507	0.513	0.242	0.245	
	Hotspot	QPSK	Mode B	5	Edge 2	132322	1745.0	1	49	18.50	18.43	0.191	0.194	0.100	0.102	
								50	24	18.50	18.45	0.191	0.193	0.099	0.101	
					Edge 3	132072	1720.0	1	49	18.50	18.50	0.855	0.855	0.402	0.402	
								50	24	18.50	18.50	0.893	0.893	0.419	0.419	
						132322	1745.0	1	49	18.50	18.43	0.959	0.974	0.448	0.455	
								50	24	18.50	18.45	0.964	0.976	0.453	0.459	
						132572	1770.0	100	0	18.50	18.42	0.953	0.971	0.449	0.457	135
								1	49	18.50	18.34	0.891	0.925	0.421	0.437	
								50	24	18.50	18.40	0.930	0.952	0.437	0.447	
					Edge 4	132322	1745.0	1	49	18.50	18.43	0.008	0.009	0.004	0.004	
								50	24	18.50	18.45	0.009	0.009	0.004	0.004	
ANT2	Head	QPSK	Mode A	0	Left Touch	132322	1745.0	1	49	20.00	19.50	0.427	0.479	0.197	0.221	
								50	24	20.00	19.50	0.460	0.516	0.212	0.238	
					Left Tilt	132322	1745.0	1	49	20.00	19.50	0.452	0.507	0.205	0.230	
								50	24	20.00	19.50	0.456	0.512	0.207	0.232	
					Right Touch	132072	1720.0	1	49	20.00	19.50	0.746	0.837	0.358	0.402	
								50	24	20.00	19.50	0.761	0.854	0.366	0.411	
						132322	1745.0	1	49	20.00	19.50	0.774	0.868	0.371	0.416	136
								50	24	20.00	19.50	0.779	0.874	0.374	0.420	
						132572	1770.0	100	0	20.00	19.50	0.697	0.782	0.331	0.371	
								1	49	20.00	19.50	0.677	0.760	0.334	0.375	
								50	24	20.00	19.50	0.704	0.790	0.346	0.388	
					Right Tilt	132572	1770.0	1	49	20.00	19.50	0.526	0.590	0.239	0.268	
								50	24	20.00	19.50	0.544	0.610	0.246	0.276	
	Body & Hotspot	QPSK	Mode B	5	Rear	132072	1720.0	1	49	18.25	17.96	0.738	0.789	0.355	0.380	
								50	24	18.25	17.99	0.773	0.821	0.372	0.395	
						132322	1745.0	1	49	18.25	18.11	0.801	0.827	0.383	0.396	
								50	24	18.25	18.14	0.838	0.859	0.397	0.407	
						132572	1770.0	100	0	18.25	18.13	0.761	0.782	0.363	0.373	
								1	49	18.25	18.01	0.733	0.775	0.353	0.373	
					Front	132322	1745.0	50	24	18.25	18.06	0.746	0.779	0.358	0.374	
								1	49	18.25	18.11	0.487	0.503	0.228	0.235	
								50	24	18.25	18.14	0.493	0.506	0.231	0.237	
								1	49	18.25	17.96	0.787	0.841	0.364	0.389	
	Hotspot	QPSK	Mode B	5	Edge 1	132072	1720.0	50	24	18.25	17.99	0.831	0.882	0.385	0.409	
								1	49	18.25	18.11	0.870	0.899	0.403	0.416	
						132322	1745.0	50	24	18.25	18.14	0.888	0.911	0.410	0.421	
								100	0	18.25	18.13	0.962	0.989	0.434	0.446	
					Edge 2	132572	1770.0	1	49	18.25	18.01	0.824	0.871	0.379	0.401	
								50	24	18.25	18.06	0.849	0.887	0.390	0.407	
					Edge 3	132322	1745.0	1	49	18.25	18.11	0.011	0.011	0.003	0.003	
								50	24	18.25	18.14	0.010	0.010	0.004	0.004	
					Edge 4	132322	1745.0	1	49	18.25	18.11	0.130	0.134	0.065	0.067	
								50	24	18.25	18.14	0.135	0.138	0.067	0.069	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	QPSK	Mode A	0	Left Touch	132322	1745.0	1	49	24.70	24.51	0.427	0.446	0.276	0.289	139
								50	24	23.70	23.59	0.371	0.381	0.236	0.242	
					Left Tilt	132322	1745.0	1	49	24.70	24.51	0.177	0.185	0.107	0.112	
								50	24	23.70	23.59	0.169	0.173	0.102	0.105	
					Right Touch	132322	1745.0	1	49	24.70	24.51	0.297	0.310	0.191	0.200	
								50	24	23.70	23.59	0.317	0.325	0.184	0.189	
	Body & Hotspot	QPSK	Mode B	5	Right Tilt	132322	1745.0	1	49	24.70	24.51	0.142	0.148	0.085	0.089	
								50	24	23.70	23.59	0.137	0.141	0.082	0.084	
					Rear	132322	1745.0	1	49	20.75	20.25	0.569	0.638	0.324	0.364	
								50	24	20.75	20.25	0.589	0.661	0.334	0.375	140
					Front	132322	1745.0	1	49	20.75	20.25	0.425	0.477	0.251	0.282	
								50	24	20.75	20.25	0.433	0.486	0.256	0.287	
	Hotspot	QPSK	Mode B	5	Edge 3	132322	1745.0	1	49	20.75	20.25	0.147	0.165	0.070	0.079	
								50	24	20.75	20.25	0.160	0.180	0.076	0.085	
					Edge 4	132072	1720.0	1	49	20.75	20.25	0.777	0.872	0.394	0.442	
								50	24	20.75	20.25	0.801	0.899	0.405	0.454	
						132322	1745.0	1	49	20.75	20.25	0.775	0.870	0.394	0.442	
								50	24	20.75	20.25	0.808	0.907	0.408	0.458	141
						132572	1770.0	100	0	20.75	20.25	0.805	0.903	0.406	0.456	
								1	49	20.75	20.25	0.787	0.883	0.399	0.448	
ANT4	Head	QPSK	Mode A	0	Left Touch	132072	1720.0	1	49	20.00	20.00	0.843	0.843	0.418	0.418	
								50	24	20.00	20.00	0.827	0.827	0.410	0.410	
						132322	1745.0	1	49	20.00	20.00	0.789	0.789	0.395	0.395	
								50	24	20.00	20.00	0.898	0.898	0.439	0.439	142
					Left Tilt	132572	1770.0	1	49	20.00	20.00	0.856	0.856	0.422	0.422	
								50	24	20.00	20.00	0.875	0.875	0.428	0.428	
					Right Touch	132322	1745.0	1	49	20.00	20.00	0.322	0.322	0.150	0.150	
								50	24	20.00	20.00	0.323	0.323	0.153	0.153	
					Right Tilt	132322	1745.0	1	49	20.00	20.00	0.175	0.175	0.107	0.107	
								50	24	20.00	20.00	0.174	0.174	0.107	0.107	
					Right Tilt	132322	1745.0	1	49	20.00	20.00	0.117	0.117	0.071	0.071	
								50	24	20.00	20.00	0.117	0.117	0.071	0.071	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	21.25	21.21	0.737	0.744	0.369	0.373	143
								50	24	21.25	21.13	0.609	0.626	0.303	0.311	
					Front	132322	1745.0	1	49	21.25	21.21	0.377	0.381	0.191	0.193	
								50	24	21.25	21.13	0.309	0.317	0.156	0.160	
	Hotspot	QPSK	Mode B	5	Edge 1	132322	1745.0	1	49	21.25	21.21	0.256	0.259	0.113	0.114	
								50	24	21.25	21.13	0.210	0.216	0.093	0.096	
					Edge 2	132072	1720.0	1	49	21.25	21.14	0.803	0.824	0.390	0.400	
								50	24	21.25	20.80	0.658	0.730	0.321	0.356	
						132322	1745.0	1	49	21.25	21.21	0.897	0.906	0.434	0.438	
								50	24	21.25	20.80	0.723	0.802	0.352	0.390	
						132572	1770.0	100	0	21.25	20.75	0.723	0.811	0.352	0.395	
								1	49	21.25	21.05	0.908	0.951	0.443	0.464	144
								50	24	21.25	20.80	0.730	0.810	0.357	0.396	

10.21. LTE Band 71 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	133297	680.5	1	49	25.70	25.70	0.141	0.141	0.109	0.109	
								50	24	24.70	24.51	0.113	0.118	0.088	0.092	
					Left Tilt	133297	680.5	1	49	25.70	25.70	0.101	0.101	0.080	0.080	
								50	24	24.70	24.51	0.081	0.085	0.065	0.068	
					Right Touch	133297	680.5	1	49	25.70	25.70	0.167	0.167	0.130	0.130	145
								50	24	24.70	24.51	0.128	0.134	0.100	0.104	
					Right Tilt	133297	680.5	1	49	25.70	25.70	0.093	0.093	0.075	0.075	
								50	24	24.70	24.51	0.078	0.081	0.063	0.066	
	Body & Hotspot	QPSK	Mode B	5	Rear	133297	680.5	1	49	25.70	25.70	0.331	0.331	0.208	0.208	146
								50	24	24.70	24.51	0.264	0.276	0.166	0.173	
					Front	133297	680.5	1	49	25.70	25.70	0.213	0.213	0.161	0.161	
								50	24	24.70	24.51	0.169	0.177	0.127	0.133	
	Hotspot	QPSK	Mode B	5	Edge 2	133297	680.5	1	49	25.70	25.70	0.414	0.414	0.219	0.219	147
								50	24	24.70	24.51	0.327	0.342	0.170	0.178	
					Edge 3	133297	680.5	1	49	25.70	25.70	0.254	0.254	0.113	0.113	
								50	24	24.70	24.51	0.193	0.202	0.087	0.091	
					Edge 4	133297	680.5	1	49	25.70	25.70	0.138	0.138	0.089	0.089	
								50	24	24.70	24.51	0.113	0.118	0.072	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	133297	680.5	1	49	24.50	24.42	0.497	0.506	0.320	0.326	
								50	24	23.50	23.39	0.329	0.337	0.202	0.207	
					Left Tilt	133297	680.5	1	49	24.50	24.42	0.503	0.512	0.248	0.252	
								50	24	23.50	23.39	0.414	0.425	0.202	0.207	
					Right Touch	133297	680.5	1	49	24.50	24.42	0.636	0.647	0.388	0.395	
								50	24	23.50	23.39	0.480	0.492	0.305	0.313	
					Right Tilt	133297	680.5	1	49	24.50	24.42	0.728	0.741	0.380	0.387	148
								50	24	23.50	23.39	0.583	0.598	0.305	0.313	
	Body & Hotspot	QPSK	Mode B	5	Rear	133297	680.5	1	49	24.50	24.42	0.382	0.389	0.216	0.220	149
								50	24	23.50	23.39	0.312	0.320	0.177	0.181	
					Front	133297	680.5	1	49	24.50	24.42	0.267	0.272	0.171	0.174	
								50	24	23.50	23.39	0.215	0.220	0.138	0.142	
	Hotspot	QPSK	Mode B	5	Edge 1	133297	680.5	1	49	24.50	24.42	0.254	0.259	0.111	0.113	
								50	24	23.50	23.39	0.209	0.214	0.090	0.092	
					Edge 2	133297	680.5	1	49	24.50	24.42	0.049	0.050	0.032	0.033	
								50	24	23.50	23.39	0.051	0.052	0.033	0.034	
					Edge 4	133297	680.5	1	49	24.50	24.42	0.210	0.214	0.112	0.114	
								50	24	23.50	23.39	0.171	0.175	0.091	0.093	

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

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

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

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

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	167300	836.6	1	53	25.70	25.70	0.191	0.191	0.157	0.157	206
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	167300	836.6	1	53	25.25	25.25	0.396	0.396	0.255	0.255	207
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	167300	836.6	1	53	24.50	24.50	0.653	0.653	0.457	0.457	208
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	167300	836.6	1	53	24.50	24.50	0.356	0.356	0.247	0.247	209

Note(s):

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

10.23. 5G NR Band n12 (15MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	141500	707.5	1	40	25.70	25.70	0.113	0.113	0.085	0.085	210
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	141500	707.5	1	40	25.70	25.70	0.333	0.333	0.194	0.194	211
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Tilt	141500	707.5	1	40	24.50	24.50	0.419	0.419	0.241	0.241	212
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	141500	707.5	1	40	24.50	24.50	0.230	0.230	0.137	0.137	213

Note(s):

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

10.24. 5G NR Band n25 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	376500	1882.5	1	53	25.70	25.70	0.282	0.282	0.177	0.177	214
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	50	28	17.50	17.50	0.557	0.557	0.277	0.277	215
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	376500	1882.5	1	53	17.50	17.50	0.800	0.800	0.352	0.352	216
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Tilt	372000	1860.0	50	28	21.50	21.50	0.584	0.584	0.273	0.273	217
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	50	28	19.25	19.25	0.489	0.489	0.239	0.239	218
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	376500	1882.5	1	53	19.25	19.25	0.824	0.824	0.350	0.350	219
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	376500	1882.5	1	53	24.70	24.70	0.407	0.407	0.252	0.252	220
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	106	0	21.25	21.25	0.951	0.951	0.507	0.507	221
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	376500	1882.5	106	0	21.25	21.25	0.893	0.893	0.450	0.450	222
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	372000	1860.0	50	28	20.50	20.50	0.749	0.749	0.366	0.366	223
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	1	53	21.75	21.75	0.385	0.385	0.203	0.203	224
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	376500	1882.5	1	53	21.75	21.75	0.558	0.558	0.272	0.272	225

10.25. 5G NR Band n41 (100MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	518600	2593.0	1	137	25.25	25.25	0.570	0.570	0.282	0.282	226
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	135	69	20.50	20.50	0.873	0.873	0.365	0.365	227
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	518600	2593.0	135	69	20.50	20.50	0.922	0.922	0.369	0.369	228
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	518600	2593.0	135	69	17.75	17.75	0.760	0.760	0.349	0.349	229
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	1	137	19.00	19.00	0.845	0.845	0.332	0.332	230
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	518600	2593.0	1	137	24.50	24.50	0.563	0.563	0.272	0.272	231
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	1	137	19.75	19.75	0.616	0.616	0.308	0.308	232
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	518600	2593.0	1	137	19.25	19.25	0.499	0.499	0.220	0.220	233
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	135	69	20.25	20.25	0.217	0.217	0.103	0.103	234
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	518600	2593.0	1	137	20.25	20.25	0.456	0.456	0.211	0.211	235

Note(s):

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

10.26. 5G NR Band n66 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM	Mode A	0	Right Touch	349000	1745.0	1	53	25.70	25.70	0.384	0.384	0.227	0.227	236
	Body & Hotspot	DFT-s-OFDM	Mode B	5	Rear	349000	1745.0	50	28	18.50	18.50	0.488	0.488	0.241	0.241	237
	Hotspot	DFT-s-OFDM	Mode B	5	Edge 3	349000	1745.0	50	28	18.50	18.50	0.733	0.733	0.334	0.334	238
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM	Mode A	0	Right Touch	349000	1745.0	50	28	20.00	20.00	0.484	0.484	0.230	0.230	239
	Body & Hotspot	DFT-s-OFDM	Mode B	5	Rear	349000	1745.0	50	28	18.25	18.25	0.550	0.550	0.260	0.260	240
	Hotspot	DFT-s-OFDM	Mode B	5	Edge 1	349000	1745.0	106	0	18.25	18.25	0.721	0.721	0.311	0.311	241
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM	Mode A	0	Left Touch	349000	1745.0	1	53	24.70	24.70	0.276	0.276	0.171	0.171	242
	Body & Hotspot	DFT-s-OFDM	Mode B	5	Rear	349000	1745.0	50	28	20.75	20.75	0.418	0.418	0.213	0.213	243
	Hotspot	DFT-s-OFDM	Mode B	5	Edge 4	349000	1745.0	50	28	20.75	20.75	0.434	0.434	0.221	0.221	244
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM	Mode A	0	Left Touch	349000	1745.0	50	28	20.00	20.00	0.840	0.840	0.413	0.413	245
	Body & Hotspot	DFT-s-OFDM	Mode B	5	Rear	349000	1745.0	1	53	21.25	21.25	0.441	0.441	0.214	0.214	246
	Hotspot	DFT-s-OFDM	Mode B	5	Edge 2	349000	1745.0	1	53	21.25	21.25	0.603	0.603	0.287	0.287	247

10.27. 5G NR Band n71 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	136100	680.5	1	53	25.70	25.70	0.089	0.089	0.067	0.067	248
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	136100	680.5	1	53	25.70	25.70	0.276	0.276	0.161	0.161	249
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	136100	680.5	1	53	25.70	25.70	0.234	0.234	0.126	0.126	250
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Tilt	136100	680.5	1	53	24.50	24.50	0.375	0.375	0.201	0.201	251
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	136100	680.5	1	53	24.50	24.50	0.287	0.287	0.160	0.160	252
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	136100	680.5	1	53	24.50	24.50	0.138	0.138	0.061	0.061	253

10.28. 5G NR Band n77 (100MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT7	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	650000	3750.0	1	137	25.70	25.38	0.519	0.559	0.179	0.193	
								135	69	25.70	25.60	0.567	0.580	0.177	0.181	
					Left Tilt	650000	3750.0	1	137	25.70	25.38	0.364	0.392	0.131	0.141	
								135	69	25.70	25.60	0.333	0.341	0.104	0.106	
					Right Touch	650000	3750.0	1	137	25.70	25.38	0.855	0.920	0.316	0.340	
								135	69	25.70	25.60	0.976	0.999	0.358	0.366	254
					Right Tilt	650000	3750.0	1	137	25.70	25.38	0.130	0.140	0.046	0.050	
								135	69	25.70	25.60	0.130	0.133	0.047	0.048	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	650000	3750.0	1	137	19.75	19.70	0.665	0.673	0.245	0.248	
								135	69	19.75	19.57	0.696	0.726	0.248	0.259	255
					Front	650000	3750.0	1	137	19.75	19.48	0.501	0.533	0.181	0.192	
								135	69	19.75	19.57	0.451	0.470	0.176	0.183	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	650000	3750.0	1	137	19.75	19.70	0.982	0.993	0.366	0.370	256
								135	69	19.75	19.57	0.949	0.989	0.348	0.363	
					Edge 3	650000	3750.0	270	0	19.75	19.50	0.936	0.991	0.342	0.362	
								1	137	19.75	19.70	0.268	0.271	0.090	0.091	
								135	69	19.75	19.57	0.267	0.278	0.090	0.094	
ANT8	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	650000	3750.0	1	137	18.00	17.85	0.312	0.323	0.097	0.100	
								135	69	18.00	17.90	0.322	0.330	0.101	0.103	
					Left Tilt	650000	3750.0	1	137	18.00	17.85	0.494	0.512	0.145	0.150	
								135	69	18.00	17.90	0.446	0.456	0.134	0.137	
					Right Touch	650000	3750.0	1	137	18.00	17.85	0.894	0.926	0.367	0.380	
								135	69	18.00	17.90	0.975	0.998	0.357	0.365	
					Right Tilt	650000	3750.0	270	0	18.00	17.99	0.996	0.998	0.363	0.364	257
								1	137	18.00	17.85	0.793	0.821	0.312	0.323	
								135	69	18.00	17.90	0.817	0.836	0.314	0.321	
								270	0	18.00	17.99	0.825	0.827	0.317	0.318	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	650000	3750.0	1	137	18.50	18.48	0.988	0.993	0.338	0.340	258
								135	69	18.50	18.32	0.912	0.951	0.316	0.329	
					Front	650000	3750.0	270	0	18.50	18.32	0.666	0.695	0.227	0.237	
								1	137	18.50	18.48	0.530	0.533	0.203	0.204	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	650000	3750.0	1	137	18.50	18.48	0.737	0.741	0.230	0.231	
								135	69	18.50	18.32	0.624	0.650	0.202	0.211	
					Edge 4	650000	3750.0	1	137	18.50	18.48	0.458	0.460	0.184	0.185	
								135	69	18.50	18.32	0.499	0.520	0.198	0.206	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT9	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	650000	3750.0	1	137	25.70	25.51	0.438	0.458	0.171	0.179	259
								135	69	25.70	25.50	0.332	0.348	0.105	0.110	
								1	137	25.70	25.51	0.115	0.120	0.035	0.037	
					Left Tilt	650000	3750.0	135	69	25.70	25.50	0.118	0.124	0.040	0.042	
								1	137	25.70	25.51	0.239	0.250	0.105	0.110	
								135	69	25.70	25.50	0.250	0.262	0.111	0.116	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Right Touch	650000	3750.0	1	137	25.70	25.51	0.174	0.182	0.074	0.077	
								135	69	25.70	25.50	0.178	0.187	0.073	0.077	
								1	137	20.75	20.10	0.793	0.921	0.308	0.358	260
					Right Tilt	650000	3750.0	135	69	20.75	20.10	0.684	0.794	0.266	0.309	
								1	137	20.75	20.10	0.320	0.372	0.129	0.150	
								135	69	20.75	20.10	0.364	0.423	0.146	0.170	
ANT4	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	650000	3750.0	1	137	20.75	20.10	0.113	0.131	0.033	0.038	
								135	69	20.75	20.10	0.174	0.202	0.060	0.070	
								1	137	20.75	20.10	0.591	0.686	0.196	0.228	
					Edge 4	650000	3750.0	135	69	20.75	20.10	0.639	0.742	0.209	0.243	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	650000	3750.0	1	137	16.25	16.17	0.887	0.904	0.323	0.329	261
								135	69	16.25	16.22	0.897	0.902	0.328	0.330	
								270	0	16.25	16.18	0.865	0.879	0.318	0.323	
					Left Tilt	650000	3750.0	1	137	16.25	16.17	0.431	0.439	0.156	0.159	
								135	69	16.25	16.22	0.466	0.469	0.167	0.168	
								1	137	16.25	16.17	0.213	0.217	0.083	0.085	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	650000	3750.0	135	69	16.25	16.22	0.221	0.222	0.085	0.086	
								1	137	16.25	16.17	0.205	0.209	0.081	0.083	
								135	69	16.25	16.22	0.198	0.199	0.078	0.078	
					Right Tilt	650000	3750.0	1	137	17.00	16.72	0.924	0.986	0.374	0.399	262
								135	69	17.00	16.80	0.920	0.963	0.370	0.387	
								270	0	17.00	16.98	0.944	0.948	0.382	0.384	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Front	650000	3750.0	1	137	17.00	16.72	0.433	0.462	0.153	0.163	
								135	69	17.00	16.80	0.380	0.398	0.131	0.137	
								1	137	17.00	16.72	0.134	0.143	0.062	0.066	
					Edge 1	650000	3750.0	135	69	17.00	16.80	0.123	0.129	0.056	0.059	
								1	137	17.00	16.72	0.841	0.897	0.326	0.348	
								135	69	17.00	16.80	0.916	0.959	0.360	0.377	
ANT4	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	650000	3750.0	270	0	17.00	16.98	0.992	0.997	0.389	0.391	263
								1	137	17.00	16.72	0.841	0.897	0.326	0.348	
								135	69	17.00	16.80	0.916	0.959	0.360	0.377	
					Edge 1	650000	3750.0	1	137	17.00	16.72	0.134	0.143	0.062	0.066	
								135	69	17.00	16.80	0.123	0.129	0.056	0.059	
								1	137	17.00	16.72	0.841	0.897	0.326	0.348	

Note(s):

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

10.29. Wi-Fi (DTS Band)

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

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

Antenna	WWAN Power	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
											Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Cell OFF	Head	802.11b	Mode A	0	Left Touch	6	2437	0.608	100.0%	22.50	22.50	0.519	0.519	0.258	0.258	150
						Left Tilt	6	2437	0.276	100.0%	22.50	22.50					
						Right Touch	6	2437	0.489	100.0%	22.50	22.50	0.265	0.265	0.136	0.136	
						Right Tilt	6	2437	0.237	100.0%	22.50	22.50					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	1.360	100.0%	20.25	20.25	0.856	0.856	0.435	0.435	
							11	2462	1.110	100.0%	20.25	20.25	0.871	0.871	0.418	0.418	151
						Front	6	2437	0.648	100.0%	20.25	20.25	0.433	0.433	0.209	0.209	
						Edge 3	6	2437	0.139	100.0%	20.25	20.25					
		Hotspot	802.11b	Mode B	5	Edge 4	1	2412	1.110	100.0%	20.25	20.25	1.040	1.040	0.440	0.440	
							6	2437	1.290	100.0%	20.25	20.25	1.060	1.060	0.461	0.461	152
							11	2462	1.340	100.0%	20.25	20.25	1.040	1.040	0.454	0.454	
ANT4	Cell OFF	Head	802.11b	Mode A	0		1	2412	1.640	100.0%	19.50	19.50	1.030	1.030	0.461	0.461	
						Left Touch	6	2437	1.650	100.0%	19.50	19.50	1.010	1.010	0.424	0.424	
							11	2462	1.550	100.0%	19.50	19.50	1.040	1.040	0.449	0.449	153
						Left Tilt	6	2437	0.930	100.0%	19.50	19.50	0.517	0.517	0.214	0.214	
						Right Touch	6	2437	0.240	100.0%	19.50	19.50					
						Right Tilt	6	2437	0.202	100.0%	19.50	19.50					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	0.741	100.0%	21.00	21.00	0.476	0.476	0.218	0.218	154
						Front	6	2437	0.672	100.0%	21.00	21.00					
		Hotspot	802.11b	Mode B	5	Edge 1	6	2437	0.290	100.0%	21.00	21.00					
							6	2437	1.320	100.0%	21.00	21.00	1.030	1.030	0.430	0.430	155
						Edge 2	11	2462	0.912	100.0%	21.00	21.00	0.937	0.937	0.394	0.394	
ANT3	Cell ON	Head	802.11b	Mode A	0	Left Touch	6	2437	0.308	100.0%	19.00	19.00	0.307	0.307	0.162	0.162	156
						Left Tilt	6	2437	0.132	100.0%	19.00	19.00					
						Right Touch	6	2437	0.273	100.0%	19.00	19.00	0.150	0.150	0.077	0.077	
						Right Tilt	6	2437	0.105	100.0%	19.00	19.00					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	0.775	100.0%	17.25	17.25	0.447	0.447	0.209	0.209	157
						Front	6	2437	0.360	100.0%	17.25	17.25					
		Hotspot	802.11b	Mode B	5	Edge 3	6	2437	0.153	100.0%	17.25	17.25					
						Edge 4	6	2437	0.677	100.0%	17.25	17.25	0.486	0.486	0.205	0.205	158
ANT4	Cell ON	Head	802.11b	Mode A	0	Left Touch	6	2437	0.526	100.0%	14.75	14.75	0.380	0.380	0.140	0.140	159
						Left Tilt	6	2437	0.214	100.0%	14.75	14.75	0.167	0.167	0.069	0.069	
						Right Touch	6	2437	0.106	100.0%	14.75	14.75					
						Right Tilt	6	2437	0.0646	100.0%	14.75	14.75					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	0.443	100.0%	17.75	17.75	0.233	0.233	0.108	0.108	160
						Front	6	2437	0.247	100.0%	17.75	17.75					
		Hotspot	802.11b	Mode B	5	Edge 1	6	2437	0.143	100.0%	17.75	17.75					
						Edge 2	6	2437	0.466	100.0%	17.75	17.75	0.467	0.467	0.198	0.198	161

10.30. 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	0.0675	97.9%	21.00	21.00	0.023	0.023	0.006	0.007	162
							Left Tilt	54	5270	0.022	97.9%	21.00	21.00					
							Right Touch	54	5270	0.0289	97.9%	21.00	21.00					
							Right Tilt	54	5270	0.0477	97.9%	21.00	21.00					
		U-NII-1	Body & Airplay	802.11n (HT40)	Mode B	5	Rear	38	5190	1.810	97.9%	16.50	16.50	0.915	0.934	0.280	0.286	
							46	5230	2.320	97.9%	17.75	17.75	1.090	1.113	0.341	0.348	163	
							Front	46	5230	0.417	97.9%	17.75	17.75					
			Airplay	802.11n (HT40)	Mode B	5	Edge 3	46	5230	0.711	97.9%	17.75	17.75	0.353	0.360	0.128	0.131	
							Edge 4	46	5230	0.588	97.9%	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-2C	Head	802.11n (HT40)	Mode A	0	Left Touch	126	5630	0.068	97.9%	21.00	21.00	0.038	0.039	0.017	0.017	164
							Left Tilt	126	5630	0.032	97.9%	21.00	21.00					
							Right Touch	126	5630	0.046	97.9%	21.00	21.00					
							Right Tilt	126	5630	0.024	97.9%	21.00	21.00					
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	122	5610	2.510	95.8%	18.00	18.00	0.968	1.010	0.310	0.324	165
							138	5690	2.250	95.8%	18.00	18.00	0.880	0.918	0.274	0.286		
							Front	122	5610	0.160	95.8%	18.00	18.00					
							Edge 3	122	5610	0.401	95.8%	18.00	18.00	0.204	0.213	0.074	0.077	
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 4	122	5610	0.306	95.8%	18.00	18.00					
Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell OFF	U-NII-3	Head	802.11a	Mode A	0	Left Touch	157	5785	0.044	98.9%	21.50	21.50					
							Left Tilt	157	5785	0.014	98.9%	21.50	21.50					
							Right Touch	157	5785	0.055	98.9%	21.50	21.50	0.018	0.018	0.004	0.004	166
							Right Tilt	157	5785	0.022	98.9%	21.50	21.50					
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	1.730	95.8%	17.00	17.00	0.997	1.040	0.303	0.316	167
							Front	155	5775	0.395	95.8%	17.00	17.00					
							Edge 3	155	5775	0.404	95.8%	17.00	17.00	0.161	0.168	0.0585	0.061	
							Edge 4	155	5775	0.220	95.8%	17.00	17.00					
			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)	
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell OFF	U-NII-1	Head	802.11n (HT40)	Mode A	0	Left Touch	46	5230	0.646	97.9%	19.50	19.50	0.402	0.410	0.119	0.122	
							Left Tilt	46	5230	0.590	97.9%	19.50	19.50					
							Right Touch	38	5190	0.793	97.9%	16.50	16.50	0.430	0.439	0.143	0.146	
							46	5230	3.130	97.9%	19.50	19.50	1.150	1.174	0.406	0.415	168	
							Right Tilt	38	5230	0.996	97.9%	16.50	16.50	0.457	0.467	0.126	0.129	
							46	5230	2.080	97.9%	19.50	19.50	0.973	0.994	0.285	0.291		
							Rear	38	5230	0.941	97.9%	16.50	16.50	0.397	0.405	0.126	0.129	
							46	5230	0.133	97.9%	19.75	19.75	0.830	0.848	0.251	0.256	169	
		U-NII-1	Body & Airplay	802.11n (HT40)	Mode B	5	Front	46	5230	0.463	97.9%	19.75	19.75					
							Edge 1	46	5230	0.729	97.9%	19.75	19.75	0.320	0.327	0.104	0.106	
							Edge 4	38	5230	0.927	97.9%	16.50	16.50	0.410	0.419	0.123	0.126	
							46	5230	2.650	97.9%	19.75	19.75	1.100	1.123	0.332	0.339	170	
			Airplay	802.11ac (VHT80)	Mode B	5												
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	1.160	95.8%	18.50	18.50	0.657	0.686	0.191	0.199	
							Left Tilt	122	5610	1.040	95.8%	18.50	18.50					
							Right Touch	106	5530	1.670	95.8%	16.50	16.50	0.636	0.664	0.215	0.224	
							122	5610	2.780	95.8%	18.50	18.50	1.020	1.064	0.355	0.370	171	
							138	5690	2.490	95.8%	18.50	18.50	0.992	1.035	0.345	0.360		
							Right Tilt	122	5610	2.190	95.8%	18.50	18.50	0.845	0.882	0.262	0.273	
							138	5690	1.800	95.8%	18.50	18.50	0.780	0.814	0.238	0.248		
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	122	5610	2.000	95.8%	18.00	18.00	0.883	0.922	0.280	0.292	
							138	5690	2.530	95.8%	18.00	18.00	0.905	0.944	0.275	0.287	172	
							Front	122	5610	0.907	95.8%	18.00	18.00	0.384	0.401	0.132	0.138	
							Edge 1	122	5610	0.899	95.8%	18.00	18.00					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 4	106	5530	1.950	95.8%	16.50	16.50	0.766	0.799	0.243	0.254	
							122	5610	2.620	95.8%	18.00	18.00	1.120	1.169	0.361	0.377	173	
							138	5690	2.530	95.8%	18.00	18.00	1.010	1.054	0.340	0.355		
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	1.090	95.8%	18.00	18.00	0.485	0.506	0.147	0.154	
							Left Tilt	155	5775	0.838	95.8%	18.00	18.00					
							Right Touch	155	5775	3.500	95.8%	18.00	18.00	0.860	0.898	0.294	0.307	
							Right Tilt	155	5775	2.160	95.8%	18.00	18.00	0.887	0.926	0.239	0.249	174
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	1.760	95.8%	18.00	18.00	0.795	0.830	0.246	0.257	175
							Front	155	5775	0.879	95.8%	18.00	18.00					
							Edge 1	155	5775	0.955	95.8%	18.00	18.00	0.438	0.457	0.134	0.140	
							Edge 4	155	5775	2.110	95.8%	18.00	18.00	0.959	1.001	0.282	0.294	176

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	1.020	95.8%	14.00	14.00	0.373	0.389	0.119	0.124	177
							Front	42	5210	0.123	95.8%	14.00	14.00					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	42	5210	0.209	95.8%	14.00	14.00					
							Edge 4	42	5210	0.281	95.8%	14.00	14.00	0.149	0.155	0.040	0.042	
ANT5	Cell ON	U-NII-2C	Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	122	5610	0.825	95.8%	14.00	14.00	0.391	0.408	0.121	0.126	178
							Front	122	5610	0.191	95.8%	14.00	14.00					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	122	5610	0.186	95.8%	14.00	14.00	0.081	0.084	0.030	0.031	
							Edge 4	122	5610	0.113	95.8%	14.00	14.00	0.047	0.049	0.015	0.015	
ANT5	Cell ON	U-NII-3	Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	0.626	95.8%	13.25	13.25	0.363	0.379	0.102	0.106	179
							Front	155	5775	0.043	95.8%	13.25	13.25					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	155	5775	0.114	95.8%	13.25	13.25	0.047	0.049	0.018	0.019	
							Edge 4	155	5775	0.087	95.8%	13.25	13.25					
ANT6	Cell ON	U-NII-1	Head	802.11ac (VHT80)	Mode A	0	Left Touch	42	5210	0.273	95.8%	13.00	13.00					
							Left Tilt	42	5210	0.256	95.8%	13.00	13.00					
							Right Touch	42	5210	0.876	95.8%	13.00	13.00	0.285	0.297	0.100	0.104	180
							Right Tilt	42	5210	0.777	95.8%	13.00	13.00					
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	42	5210	0.886	95.8%	15.75	15.75	0.365	0.381	0.108	0.113	181
							Front	42	5210	0.319	95.8%	15.75	15.75					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 1	42	5210	0.376	95.8%	15.75	15.75					
							Edge 4	42	5210	1.050	95.8%	15.75	15.75	0.410	0.428	0.121	0.126	182
			Head	802.11ac (VHT80)	Mode A	0	Left Touch	122	5610	0.604	95.8%	12.50	12.50					
							Left Tilt	122	5610	0.616	95.8%	12.50	12.50					
							Right Touch	122	5610	0.649	95.8%	12.50	12.50	0.240	0.250	0.077	0.081	183
							Right Tilt	122	5610	0.590	95.8%	12.50	12.50					
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	122	5610	0.600	95.8%	14.25	14.25	0.286	0.298	0.085	0.088	184
							Front	122	5610	0.303	95.8%	14.25	14.25					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 1	122	5610	0.310	95.8%	14.25	14.25					
							Edge 4	122	5610	0.866	95.8%	14.25	14.25	0.355	0.370	0.110	0.115	185
ANT6	Cell ON	U-NII-3	Head	802.11ac (VHT80)	Mode A	0	Left Touch	155	5775	0.286	95.8%	12.00	12.00					
							Left Tilt	155	5775	0.270	95.8%	12.00	12.00					
							Right Touch	155	5775	1.040	95.8%	12.00	12.00	0.282	0.294	0.077	0.080	186
							Right Tilt	155	5775	0.418	95.8%	12.00	12.00					
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	0.595	95.8%	14.25	14.25	0.272	0.284	0.078	0.081	187
							Front	155	5775	0.548	95.8%	14.25	14.25					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 1	155	5775	0.027	95.8%	14.25	14.25					
							Edge 4	155	5775	0.771	95.8%	14.25	14.25	0.401	0.418	0.112	0.117	188

10.31. Bluetooth

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3 Flow	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	12.00	12.00	0.086	0.086	0.043	0.043	189
					Left Tilt	39	2441	100.0%	12.00	12.00	0.029	0.029	0.010	0.010	
					Right Touch	39	2441	100.0%	12.00	12.00	0.031	0.031	0.014	0.014	
					Right Tilt	39	2441	100.0%	12.00	12.00	0.021	0.021	0.011	0.011	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	9.50	9.50	0.079	0.079	0.038	0.038	190
					Front	39	2441	100.0%	9.50	9.50	0.051	0.051	0.024	0.024	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	9.50	9.50	0.012	0.012	0.006	0.006	
					Edge 4	39	2441	100.0%	9.50	9.50	0.071	0.071	0.033	0.033	
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	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	17.00	17.00	0.181	0.181	0.093	0.093	191
					Left Tilt	39	2441	100.0%	17.00	17.00	0.086	0.086	0.036	0.036	
					Right Touch	39	2441	100.0%	17.00	17.00	0.175	0.175	0.088	0.088	
					Right Tilt	39	2441	100.0%	17.00	17.00	0.062	0.062	0.031	0.031	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	14.00	14.00	0.179	0.179	0.089	0.089	192
					Front	39	2441	100.0%	14.00	14.00	0.132	0.132	0.069	0.069	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	14.00	14.00	0.033	0.033	0.016	0.016	
					Edge 4	39	2441	100.0%	14.00	14.00	0.231	0.231	0.100	0.100	193
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 Pstandalone	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	20.00	20.00	0.574	0.574	0.267	0.267	194
					Left Tilt	39	2441	100.0%	20.00	20.00	0.134	0.134	0.060	0.060	
					Right Touch	39	2441	100.0%	20.00	20.00	0.263	0.263	0.138	0.138	
					Right Tilt	39	2441	100.0%	20.00	20.00	0.088	0.088	0.045	0.045	
	Body & Hotspot	GFSK	Mode B	5	Rear	0	2402	100.0%	20.00	20.00	0.779	0.779	0.381	0.381	
						39	2441	100.0%	20.00	20.00	0.825	0.825	0.421	0.421	195
						78	2480	100.0%	20.00	20.00	0.800	0.800	0.412	0.412	
					Front	39	2441	100.0%	20.00	20.00	0.463	0.463	0.238	0.238	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	20.00	20.00	0.131	0.131	0.063	0.063	
						0	2402	100.0%	20.00	20.00	0.950	0.950	0.404	0.404	
						39	2441	100.0%	20.00	20.00	0.971	0.971	0.392	0.392	
					Edge 4	78	2480	100.0%	20.00	20.00	0.976	0.976	0.414	0.414	196
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 Flow	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	9.00	9.00	0.088	0.088	0.033	0.033	197
					Left Tilt	39	2441	100.0%	9.00	9.00	0.041	0.041	0.015	0.015	
					Right Touch	39	2441	100.0%	9.00	9.00	0.014	0.014	0.006	0.006	
					Right Tilt	39	2441	100.0%	9.00	9.00	0.007	0.007	0.002	0.002	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	9.50	9.50	0.060	0.060	0.023	0.023	198
					Front	39	2441	100.0%	9.50	9.50	0.040	0.040	0.015	0.015	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	9.50	9.50	0.004	0.004	0.001	0.001	
					Edge 2	39	2441	100.0%	9.50	9.50	0.099	0.099	0.037	0.037	199
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 Pstandalone	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	14.00	14.00	0.395	0.395	0.164	0.164	200
					Left Tilt	39	2441	100.0%	14.00	14.00	0.201	0.201	0.082	0.082	
					Right Touch	39	2441	100.0%	14.00	14.00	0.084	0.084	0.032	0.032	
					Right Tilt	39	2441	100.0%	14.00	14.00	0.041	0.041	0.019	0.019	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	15.00	15.00	0.205	0.205	0.096	0.096	201
					Front	39	2441	100.0%	15.00	15.00	0.132	0.132	0.057	0.057	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	15.00	15.00	0.028	0.028	0.009	0.009	
					Edge 2	39	2441	100.0%	15.00	15.00	0.320	0.320	0.128	0.128	202
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 Pstandalone	Head	GFSK	Mode A	0	Left Touch	0	2402	100.0%	19.50	19.50	0.892	0.892	0.363	0.363	203
						39	2441	100.0%	19.50	19.50	0.813	0.813	0.354	0.354	
						78	2480	100.0%	19.50	19.50	0.744	0.744	0.379	0.379	
					Left Tilt	39	2441	100.0%	19.50	19.50	0.453	0.453	0.190	0.190	
						39	2441	100.0%	19.50	19.50	0.258	0.258	0.135	0.135	
						39	2441	100.0%	19.50	19.50	0.097	0.097	0.049	0.049	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	20.00	20.00	0.628	0.628	0.258	0.258	204
					Front	39	2441	100.0%	20.00	20.00	0.386	0.386	0.171	0.171	
					Edge 1	39	2441	100.0%	20.00	20.00	0.120	0.120	0.053	0.053	
	Hotspot	GFSK	Mode B	5	Edge 2	0	2402	100.0%	20.00	20.00	0.723	0.723	0.320	0.320	
						39	2441	100.0%	20.00	20.00	0.911	0.911	0.386	0.386	205
						78	2480	100.0%	20.00	20.00	0.810	0.810	0.332	0.332	

11. SAR Measurement Variability

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

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

Frequency Band (MHz)	Air Interface	RF Exposure Conditions	Test Position	Repeated SAR (Yes/No)	Highest Measured SAR (W/kg)	First Repeated	
						Measured SAR (W/kg)	Largest to Smallest SAR Ratio
700	LTE Band 12	Hotspot	Edge 2	Yes	0.831	0.747	1.11
850	CDMA BC0	Head	Right Touch	Yes	0.870	0.808	1.08
1700	WCDMA Band IV	Body & Hotspot	Rear	Yes	0.984	0.863	1.14
1900	WCDMA Band II	Body & Hotspot	Rear	Yes	0.983	0.979	1.00
2300	LTE Band 30	Body & Hotspot	Rear	Yes	0.980	0.844	1.16
2400	Wi-Fi 802.11b/g/n	Hotspot	Edge 4	Yes	1.060	0.980	1.08
2500	LTE Band 7	Head	Right Touch	Yes	0.991	0.956	1.04
2600	LTE Band 41	Body & Hotspot	Rear	Yes	0.994	0.979	1.02
3600	LTE Band 48	Hotspot	Edge 2	Yes	0.982	0.931	1.05
5200	Wi-Fi 802.11a/n/ac	Head	Right Touch	Yes	1.150	1.090	1.06
5500	Wi-Fi 802.11a/n/ac	Body & Airplay	Edge 4	Yes	1.120	1.080	1.04
5800	Wi-Fi 802.11a/n/ac	Body & Airplay	Rear	Yes	0.997	0.936	1.07

Note(s):

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

12. Simultaneous Transmission Conditions

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

Sum of SAR

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

SAR to Peak Location Ratio (SPLSR)

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

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

Where:

SAR₁ is the highest reported or estimated SAR for the first of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition

SAR₂ is the highest reported or estimated SAR for the second of a pair of simultaneous transmitting antennas, in the same test operating mode and exposure condition as the first

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

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

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

When an individual antenna transmits at on two bands simultaneously, the sum of the highest reported SAR for the frequency bands should be used to determine **SAR₁** or **SAR₂**. When SPLSR is necessary, the smallest distance between the peak SAR locations for the antenna pair with respect to the peaks from each antenna should be used.

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

Simultaneous transmission SAR measurement

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

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

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

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

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

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

Simultaneous transmission SAR Exclusion

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

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

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

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

RF Exposure Condition	Item	Capable Transmit Configurations	
Head Body Worn Accessory Hotspot	1	WWAN & 5G OFF (CELLULAR ANTENNAS OFF)	+ (ANT5) Wi-Fi 5 GHz SISO + (ANT3) Bluetooth (P _{High})
	2		+ (ANT6) Wi-Fi 5 GHz SISO + (ANT3) Bluetooth (P _{High})
	3		+ Wi-Fi 5 GHz MIMO + (ANT3) Bluetooth (P _{High})
	4		+ (ANT5) Wi-Fi 5 GHz SISO + (ANT4) Bluetooth (P _{High})
	5		+ (ANT6) Wi-Fi 5 GHz SISO + (ANT4) Bluetooth (P _{High})
	6		+ Wi-Fi 5 GHz MIMO + (ANT4) Bluetooth (P _{High})
	7	WWAN & 5G ON (CELLULAR ANTENNAS ON)	+ (ANT3) Wi-Fi 2.4 GHz SISO
	8		+ (ANT4) Wi-Fi 2.4 GHz SISO
	9		+ Wi-Fi 2.4 GHz MIMO
	10		+ (ANT3) Bluetooth (P _{High})
	11		+ (ANT4) Bluetooth (P _{High})
	12		+ (ANT5) Wi-Fi 5 GHz SISO
	13		+ (ANT6) Wi-Fi 5 GHz SISO
	14		+ Wi-Fi 5 GHz MIMO
	15		+ (ANT5) Wi-Fi 5 GHz SISO + (ANT3) Bluetooth (P _{Low})
	16		+ (ANT6) Wi-Fi 5 GHz SISO + (ANT3) Bluetooth (P _{Low})
	17		+ Wi-Fi 5 GHz MIMO + (ANT3) Bluetooth (P _{Low})
	18		+ (ANT5) Wi-Fi 5 GHz SISO + (ANT4) Bluetooth (P _{Low})
	19		+ (ANT6) Wi-Fi 5 GHz SISO + (ANT4) Bluetooth (P _{Low})
	20		+ Wi-Fi 5 GHz MIMO + (ANT4) Bluetooth (P _{Low})

Note(s):

1. Wi-Fi 2.4GHz & Bluetooth cannot transmit simultaneously.
2. Wi-Fi 2.4GHz & Wi-Fi 5GHz cannot transmit simultaneously.
3. WWAN cannot transmit simultaneously.
4. Bluetooth P_{Low} is used with Wi-Fi and WWAN antennas are active.
5. Bluetooth P_{High} is used when Wi-Fi antenna is active and WWAN antenna is inactive or with Wi-Fi inactive and WWAN antenna is active.
6. Bluetooth P_{standalone} is used with Wi-Fi and WWAN antennas are inactive.
7. Wi-Fi SISO mode SAR result can also represent for MIMO mode SAR and is used for MIMO mode simultaneous transmission analysis because antennas are not overlapping and the MIMO mode maximum power is equal or less than SISO mode.
8. 5G NR only supported NSA mode.
9. For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)				Σ 1-g SAR (W/kg)			
		1	2	3	4	1+3	1+4	2+3	2+4
		Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P _{high}) ANT3	BT(P _{high}) ANT4				
Head	Left Touch	0.039	0.686	0.181	0.395	0.220	0.434	0.867	1.081
	Left Tilt	0.018	0.686	0.086	0.201	0.104	0.219	0.771	0.887
	Right Touch	0.018	1.174	0.175	0.084	0.193	0.102	1.349	1.258
	Right Tilt	0.018	0.994	0.062	0.041	0.081	0.059	1.056	1.034
Body-worn & Hotspot	Rear	1.113	0.944	0.179	0.205	1.292	1.318	1.123	1.149
	Front	0.360	0.401	0.132	0.132	0.492	0.492	0.533	0.533
Hotspot	Edge 1		0.457		0.028		0.028	0.457	0.485
	Edge 2				0.320		0.320		0.320
	Edge 3	0.360		0.033		0.394	0.360	0.033	
	Edge 4	0.360	1.169	0.231		0.591	0.360	1.400	1.169

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT1	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P _{high}) ANT3	BT(P _{high}) ANT4				
Head	Left Touch	0.323	0.307	0.380	0.181	0.395	0.630	0.703	0.504	0.718
	Left Tilt	0.243	0.150	0.167	0.086	0.201	0.393	0.410	0.328	0.444
	Right Touch	0.794	0.150	0.167	0.175	0.084	0.944	0.961	0.969	0.878
	Right Tilt	0.237	0.150	0.167	0.062	0.041	0.387	0.404	0.299	0.277
Body-worn & Hptspot	Rear	0.976	0.447	0.233	0.179	0.205	1.423	1.209	1.155	1.181
	Front	0.737	0.447	0.233	0.132	0.132	1.184	0.970	0.869	0.869
Hotspot	Edge 1			0.233		0.028		0.233		0.028
	Edge 2	0.997		0.467		0.320	0.997	1.464	0.997	1.317
	Edge 3	0.985	0.447		0.033		1.432	0.985	1.018	0.985
	Edge 4	0.435	0.486		0.231		0.921	0.435	0.666	0.435
RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT1	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P _{Low}) ANT3	BT(P _{Low}) ANT4				
Head	Left Touch	0.323	0.039	0.297	0.086	0.088	0.448	0.450	0.706	0.708
	Left Tilt	0.243	0.018	0.297	0.029	0.041	0.290	0.302	0.569	0.581
	Right Touch	0.794	0.018	0.297	0.031	0.014	0.843	0.826	1.122	1.105
	Right Tilt	0.237	0.018	0.297	0.021	0.007	0.276	0.262	0.555	0.541
Body-worn & Hptspot	Rear	0.976	0.408	0.381	0.079	0.060	1.463	1.444	1.436	1.417
	Front	0.737	0.084	0.381	0.051	0.040	0.872	0.861	1.168	1.158
Hotspot	Edge 1			0.381		0.004		0.004	0.381	0.385
	Edge 2	0.997				0.099	0.997	1.096	0.997	1.096
	Edge 3	0.985	0.084		0.012		1.081	1.069	0.997	0.985
	Edge 4	0.435	0.155	0.428	0.071		0.661	0.590	0.933	0.862

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT2	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P _{high}) ANT3	BT(P _{high}) ANT4				
Head	Left Touch	0.740	0.307	0.380	0.181	0.395	1.047	1.120	0.921	1.135
	Left Tilt	0.973	0.150	0.167	0.086	0.201	1.123	1.140	1.059	1.174
	Right Touch	0.996	0.150	0.167	0.175	0.084	1.146	1.163	1.171	1.080
	Right Tilt	0.975	0.150	0.167	0.062	0.041	1.125	1.142	1.038	1.016
Body-worn & Hptspot	Rear	0.997	0.447	0.233	0.179	0.205	1.444	1.230	1.176	1.202
	Front	0.506	0.447	0.233	0.132	0.132	0.953	0.739	0.638	0.638
Hotspot	Edge 1	0.991		0.233		0.028	0.991	1.224	0.991	1.020
	Edge 2	0.297		0.467		0.320	0.297	0.764	0.297	0.617
	Edge 3		0.447		0.033		0.447		0.033	
	Edge 4	0.603	0.486		0.231		1.089	0.603	0.834	0.603
RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT2	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P _{Low}) ANT3	BT(P _{Low}) ANT4				
Head	Left Touch	0.740	0.039	0.297	0.086	0.088	0.865	0.867	1.123	1.125
	Left Tilt	0.973	0.018	0.297	0.029	0.041	1.021	1.032	1.300	1.311
	Right Touch	0.996	0.018	0.297	0.031	0.014	1.045	1.028	1.324	1.307
	Right Tilt	0.975	0.018	0.297	0.021	0.007	1.014	1.000	1.294	1.279
Body-worn & Hptspot	Rear	0.997	0.408	0.381	0.079	0.060	1.484	1.465	1.457	1.438
	Front	0.506	0.084	0.381	0.051	0.040	0.641	0.630	0.937	0.927
Hotspot	Edge 1	0.991		0.381		0.004	0.991	0.996	1.372	1.377
	Edge 2	0.297				0.099	0.297	0.396	0.297	0.396
	Edge 3		0.084		0.012		0.097	0.084	0.012	
	Edge 4	0.603	0.155	0.428	0.071		0.829	0.758	1.101	1.031

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT3	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P _{high}) ANT3	BT(P _{high}) ANT4				
Head	Left Touch	0.976	0.307	0.380	0.181	0.395	1.283	1.356	1.157	1.371
	Left Tilt	0.341	0.150	0.167	0.086	0.201	0.491	0.508	0.426	0.542
	Right Touch	0.586	0.150	0.167	0.175	0.084	0.736	0.753	0.761	0.670
	Right Tilt	0.358	0.150	0.167	0.062	0.041	0.508	0.525	0.420	0.399
Body-worn & Hptspot	Rear	0.995	0.447	0.233	0.179	0.205	1.442	1.228	1.174	1.200
	Front	0.690	0.447	0.233	0.132	0.132	1.137	0.923	0.822	0.822
Hotspot	Edge 1			0.233		0.028		0.233		0.028
	Edge 2			0.467		0.320		0.467		0.320
	Edge 3	0.262	0.447		0.033		0.709	0.262	0.295	0.262
	Edge 4	0.989	0.486		0.231		1.475	0.989	1.220	0.989
RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT3	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P _{Low}) ANT3	BT(P _{Low}) ANT4				
Head	Left Touch	0.976	0.039	0.297	0.086	0.088	1.101	1.103	1.360	1.361
	Left Tilt	0.341	0.018	0.297	0.029	0.041	0.389	0.400	0.668	0.679
	Right Touch	0.586	0.018	0.297	0.031	0.014	0.635	0.618	0.914	0.897
	Right Tilt	0.358	0.018	0.297	0.021	0.007	0.397	0.383	0.676	0.662
Body-worn & Hptspot	Rear	0.995	0.408	0.381	0.079	0.060	1.482	1.462	1.454	1.435
	Front	0.690	0.084	0.381	0.051	0.040	0.825	0.814	1.122	1.111
Hotspot	Edge 1			0.381		0.004		0.004	0.381	0.385
	Edge 2					0.099		0.099		0.099
	Edge 3	0.262	0.084		0.012		0.359	0.346	0.275	0.262
	Edge 4	0.989	0.155	0.428	0.071		1.215	1.145	1.487	1.417

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT4	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P _{high}) ANT3	BT(P _{high}) ANT4				
Head	Left Touch	0.995	0.307	0.380	0.181	0.395	1.302	1.375	1.176	1.390
	Left Tilt	0.677	0.150	0.167	0.086	0.201	0.827	0.844	0.763	0.878
	Right Touch	0.314	0.150	0.167	0.175	0.084	0.464	0.481	0.489	0.398
	Right Tilt	0.218	0.150	0.167	0.062	0.041	0.368	0.385	0.280	0.259
Body-worn & Hptspot	Rear	0.986	0.447	0.233	0.179	0.205	1.433	1.219	1.165	1.191
	Front	0.529	0.447	0.233	0.132	0.132	0.976	0.762	0.661	0.661
Hotspot	Edge 1	0.349		0.233		0.028	0.349	0.582	0.349	0.378
	Edge 2	0.997		0.467		0.320	0.997	1.464	0.997	1.317
	Edge 3		0.447		0.033		0.447		0.033	
	Edge 4		0.486		0.231		0.486		0.231	
RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT4	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P _{Low}) ANT3	BT(P _{Low}) ANT4				
Head	Left Touch	0.995	0.039	0.297	0.086	0.088	1.121	1.122	1.379	1.381
	Left Tilt	0.677	0.018	0.297	0.029	0.041	0.725	0.736	1.004	1.015
	Right Touch	0.314	0.018	0.297	0.031	0.014	0.363	0.346	0.643	0.625
	Right Tilt	0.218	0.018	0.297	0.021	0.007	0.257	0.243	0.536	0.522
Body-worn & Hptspot	Rear	0.986	0.408	0.381	0.079	0.060	1.472	1.453	1.445	1.426
	Front	0.529	0.084	0.381	0.051	0.040	0.664	0.653	0.961	0.950
Hotspot	Edge 1	0.349		0.381		0.004	0.349	0.354	0.730	0.735
	Edge 2	0.997				0.099	0.997	1.096	0.997	1.096
	Edge 3		0.084		0.012		0.097	0.084	0.012	
	Edge 4		0.155	0.428	0.071		0.226	0.155	0.498	0.428

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT7	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P _{high}) ANT3	BT(P _{high}) ANT4				
Head	Left Touch	0.580	0.307	0.380	0.181	0.395	0.887	0.960	0.761	0.975
	Left Tilt	0.392	0.150	0.167	0.086	0.201	0.542	0.559	0.477	0.593
	Right Touch	0.999	0.150	0.167	0.175	0.084	1.149	1.166	1.174	1.083
	Right Tilt	0.140	0.150	0.167	0.062	0.041	0.290	0.307	0.202	0.181
Body-worn & Hptspot	Rear	0.941	0.447	0.233	0.179	0.205	1.388	1.174	1.120	1.146
	Front	0.592	0.447	0.233	0.132	0.132	1.039	0.825	0.724	0.724
Hotspot	Edge 1			0.233		0.028		0.233		0.028
	Edge 2	0.999		0.467		0.320	0.999	1.466	0.999	1.319
	Edge 3	0.278	0.447		0.033		0.725	0.278	0.312	0.278
	Edge 4		0.486		0.231		0.486		0.231	
RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT7	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P _{Low}) ANT3	BT(P _{Low}) ANT4				
Head	Left Touch	0.580	0.039	0.297	0.086	0.088	0.705	0.707	0.964	0.965
	Left Tilt	0.392	0.018	0.297	0.029	0.041	0.440	0.451	0.719	0.730
	Right Touch	0.999	0.018	0.297	0.031	0.014	1.048	1.031	1.327	1.310
	Right Tilt	0.140	0.018	0.297	0.021	0.007	0.179	0.165	0.458	0.444
Body-worn & Hptspot	Rear	0.941	0.408	0.381	0.079	0.060	1.428	1.409	1.401	1.382
	Front	0.592	0.084	0.381	0.051	0.040	0.727	0.716	1.023	1.013
Hotspot	Edge 1			0.381		0.004		0.004	0.381	0.385
	Edge 2	0.999				0.099	0.999	1.098	0.999	1.098
	Edge 3	0.278	0.084		0.012		0.375	0.362	0.291	0.278
	Edge 4		0.155	0.428	0.071		0.226	0.155	0.498	0.428

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT8	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P _{high}) ANT3	BT(P _{high}) ANT4				
Head	Left Touch	0.383	0.307	0.380	0.181	0.395	0.690	0.763	0.564	0.778
	Left Tilt	0.633	0.150	0.167	0.086	0.201	0.783	0.800	0.718	0.834
	Right Touch	0.998	0.150	0.167	0.175	0.084	1.148	1.165	1.173	1.082
	Right Tilt	0.907	0.150	0.167	0.062	0.041	1.057	1.074	0.970	0.948
Body-worn & Hptspot	Rear	0.993	0.447	0.233	0.179	0.205	1.440	1.226	1.172	1.198
	Front	0.571	0.447	0.233	0.132	0.132	1.018	0.804	0.703	0.703
Hotspot	Edge 1	0.774		0.233		0.028	0.774	1.007	0.774	0.803
	Edge 2			0.467		0.320		0.467		0.320
	Edge 3		0.447		0.033		0.447		0.033	
	Edge 4	0.940	0.486		0.231		1.426	0.940	1.171	0.940
RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT8	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P _{Low}) ANT3	BT(P _{Low}) ANT4				
Head	Left Touch	0.383	0.039	0.297	0.086	0.088	0.508	0.510	0.767	0.768
	Left Tilt	0.633	0.018	0.297	0.029	0.041	0.680	0.692	0.959	0.971
	Right Touch	0.998	0.018	0.297	0.031	0.014	1.048	1.030	1.327	1.309
	Right Tilt	0.907	0.018	0.297	0.021	0.007	0.946	0.932	1.225	1.211
Body-worn & Hptspot	Rear	0.993	0.408	0.381	0.079	0.060	1.480	1.461	1.453	1.434
	Front	0.571	0.084	0.381	0.051	0.040	0.706	0.695	1.003	0.992
Hotspot	Edge 1	0.774		0.381		0.004	0.774	0.779	1.155	1.160
	Edge 2					0.099		0.099		0.099
	Edge 3		0.084		0.012		0.097	0.084	0.012	
	Edge 4	0.940	0.155	0.428	0.071		1.166	1.096	1.439	1.368

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT9	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P _{high}) ANT3	BT(P _{high}) ANT4				
Head	Left Touch	0.458	0.307	0.380	0.181	0.395	0.765	0.838	0.639	0.853
	Left Tilt	0.124	0.150	0.167	0.086	0.201	0.274	0.291	0.209	0.325
	Right Touch	0.324	0.150	0.167	0.175	0.084	0.474	0.491	0.499	0.408
	Right Tilt	0.187	0.150	0.167	0.062	0.041	0.337	0.354	0.249	0.227
Body-worn & Hptspot	Rear	0.985	0.447	0.233	0.179	0.205	1.432	1.218	1.164	1.190
	Front	0.530	0.447	0.233	0.132	0.132	0.977	0.763	0.662	0.662
Hotspot	Edge 1			0.233		0.028		0.233		0.028
	Edge 2			0.467		0.320		0.467		0.320
	Edge 3	0.223	0.447		0.033		0.670	0.223	0.256	0.223
	Edge 4	0.999	0.486		0.231		1.485	0.999	1.230	0.999
RF Exposure conditions	Test Position	Standalone SAR (W/kg)					Σ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT9	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P _{Low}) ANT3	BT(P _{Low}) ANT4				
Head	Left Touch	0.458	0.039	0.297	0.086	0.088	0.583	0.585	0.841	0.843
	Left Tilt	0.124	0.018	0.297	0.029	0.041	0.171	0.183	0.451	0.462
	Right Touch	0.324	0.018	0.297	0.031	0.014	0.373	0.356	0.652	0.635
	Right Tilt	0.187	0.018	0.297	0.021	0.007	0.226	0.212	0.505	0.491
Body-worn & Hptspot	Rear	0.985	0.408	0.381	0.079	0.060	1.472	1.453	1.445	1.426
	Front	0.530	0.084	0.381	0.051	0.040	0.665	0.655	0.962	0.951
Hotspot	Edge 1			0.381		0.004		0.004	0.381	0.385
	Edge 2					0.099		0.099		0.099
	Edge 3	0.223	0.084		0.012		0.320	0.307	0.236	0.223
	Edge 4	0.999	0.155	0.428	0.071		1.225	1.155	1.498	1.427

Appendixes

Refer to separated files for the following appendixes.

Appendix A: SAR Setup Photos

Appendix B: SAR System Check Plots

Appendix C: SAR Highest Test Plots

Appendix D: SAR Tissue Ingredients

Appendix E: SAR Probe Certificates

Appendix F: SAR Dipole Certificates

Appendix G: LTE Down-Link Carrier Aggregation

Appendix H: Body Detect Validation

Appendix I: Wi-Fi Time-Averaged SAR(TAS)

END OF REPORT